

# वार्षिक सांख्यिकी २०१९-२०

## ANNUAL STATISTICS 2019-20



स्टील अथॉरिटी ऑफ इंडिया लिमिटेड

**STEEL AUTHORITY OF INDIA LIMITED**

बोकारो इस्पात संयंत्र

**BOKARO STEEL PLANT**

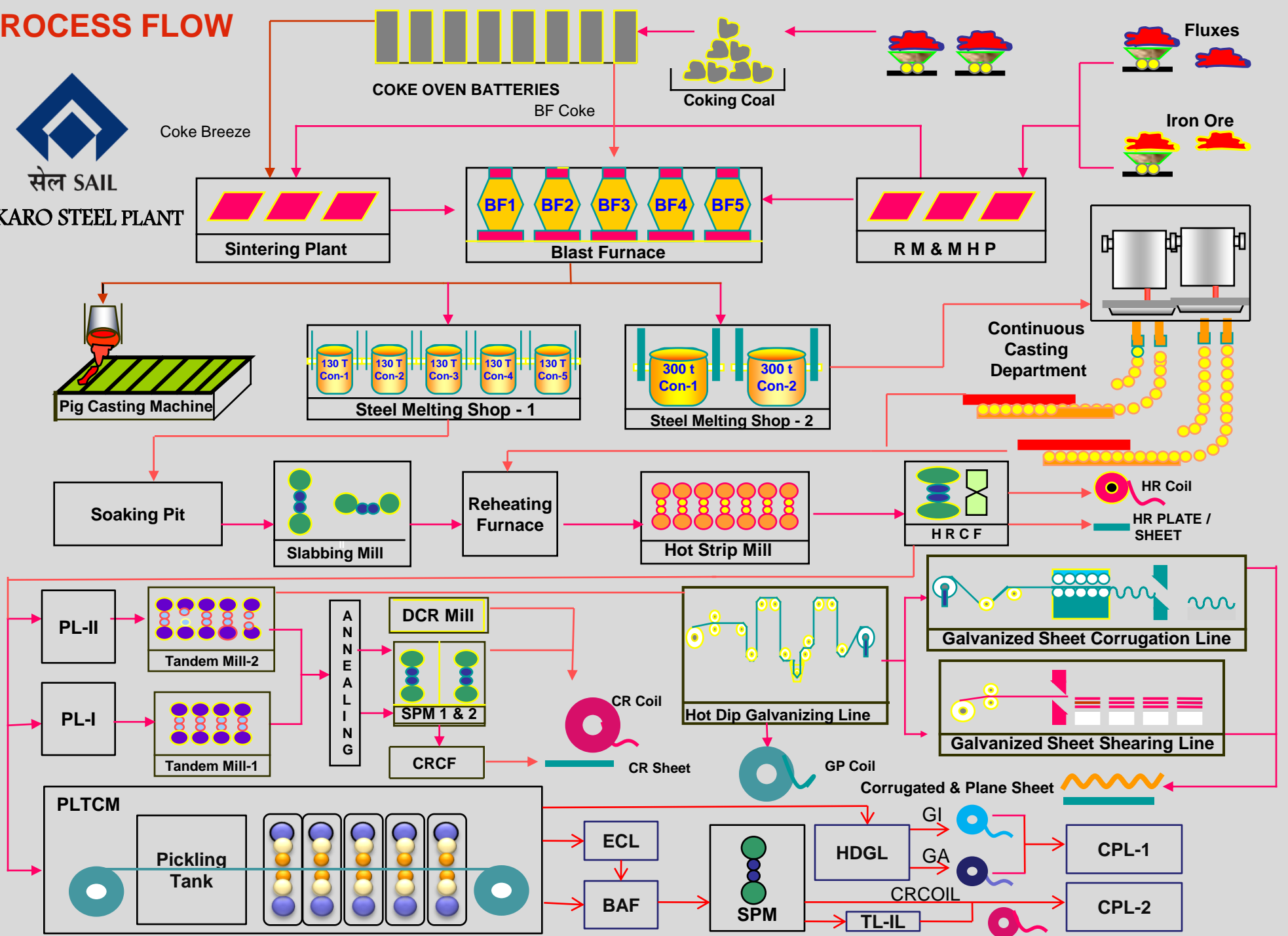


# PROCESS FLOW



सेल SAIL

BOKARO STEEL PLANT



**UNIT AND CAPACITY**

DEPARTMENTS	Unit / Facilities		Products	Annual Capacity ( '000 T )	
	At 4.0 Million Tonne Stage	After Modernisation		At 4.0 Million Tonne Stage	After Modernisation
1	2	3	4	5	6
<b>COKE OVENS</b>	Eight Batteries of 69 Ovens each (including one standby battery) with useful coke chamber volume of 27.3 Cu.M and 4.7 M height	Same as 4.0 MT Stage	BF Coke	3480	3480
<b>SINTER PLANT</b>	Three Sintering Machines of 252 sq. M hearth area each.	Same as 4.0 MT stage	Gross Sinter	6900	6900
<b>BLAST FURNACE</b>	Five Blast Furnaces of 2000 Cu.M. useful volume each	BF- 1,3,4 & 5 each of 2000 M <sup>3</sup> useful volume and BF-2 of 2500 M <sup>3</sup> useful volume	Hot Metal	4585	5250
<b>STEEL MELTING SHOP-I</b>	Five 130 T LD Converters	Same as 4.0 MT Stage	Ingot Steel	2500	2200
<b>STEEL MELTING SHOP-II</b>	Two 300 T LD Converters	Two 300 T LD Converters	Ingot Steel	1500	-
<b>CONTINUOUS CASTING SHOP</b>	-	Two double strand Casting Machines	Cast Slab	-	2160
			<b>Crude Steel</b>	<b>4000</b>	<b>4360</b>
<b>SLABBING MILL</b>	1250mm Universal Reversing Mill & Twelve groups of Soaking Pits, each having 4 Pits of 160 T capacity.	1250mm Universal Reversing Mill & Eight groups of Soaking Pits each having 4 pits of 160 T	Rolled Slab	3449	1900

### UNIT AND CAPACITY

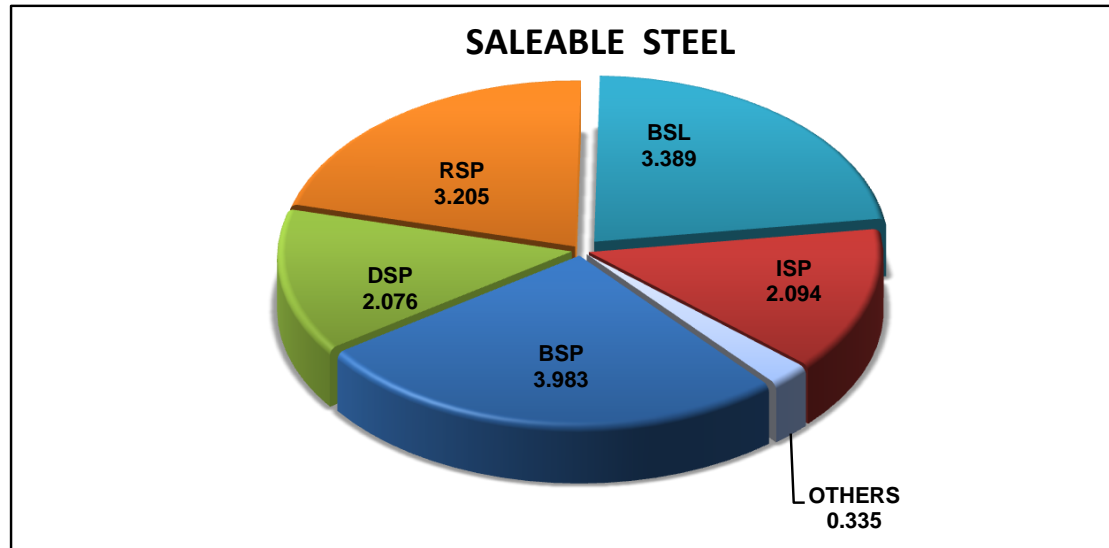
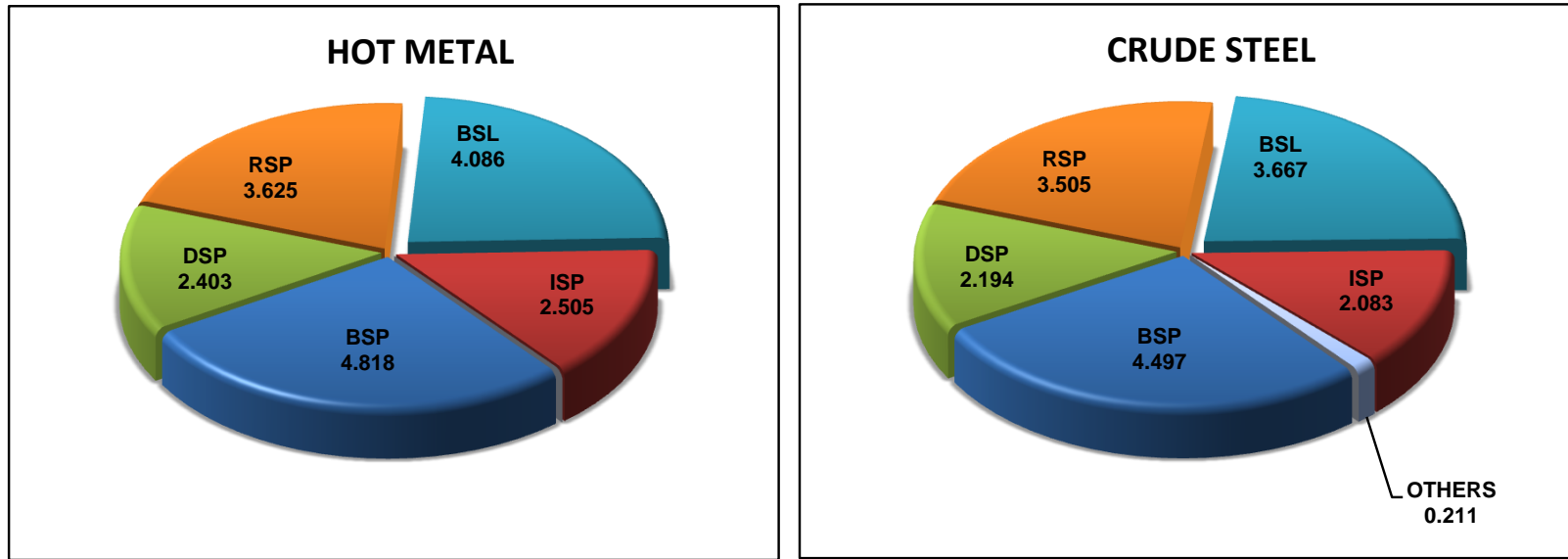
DEPARTMENTS	Unit / Facilities		Products	Annual Capacity ( '000 T )	
	At 4.0 Million Tonne Stage	After Modernisation		At 4.0 Million Tonne Stage	After Modernisation
1	2	3	4	5	6
<b>HOT STRIP MILL</b>	Three Pusher type Reheating Furnaces of charging rate 260 T/Hr, seven finishing stands of Tandem type & three coilers.	Four Reheating Furnaces including three walking Beam Furnaces. Modernised finishing stands with Hydraulic AGC. Four Hydraulic Coilers.	HR Coil	3363	4500
<b>H R C F</b>	Two shearing lines and One Slitting line.	Same as 4.0 MT Stage	HR Plate/Sheet HR Slit Coil.	1100 400	1200 920
<b>COLD ROLLING MILL- I &amp; II</b>	a) One 2000 mm Pickling Line (on H <sub>2</sub> SO <sub>4</sub> )	On HCL from Nov'15	Pickled Coil	1729	1729
	b) One 1420 mm Pickling Line (on HCL)	Same as 4.0 MT Stage			
	c) One four stand 2000 mm Tandem Mill	Same as 4.0 MT Stage	Reduced Coil	1728	1728
	d) One five stand 1420 mm Tandem Mill				
	e) Bell Type annealing line (Hood Type) having 86 Furnaces, 200 bases & 103 Fast Cooling Bases.	Same as 4.0 MT Stage	Annealed Coil	1560	1560
	f) Tower type Continuous Annealing Line				
	g) One 2000 mm Single Stand Skin Pass Mill.	Same as 4.0 MT Stage	Cold Rolled Coil	1456	1456
	h) One 1420 mm Single Stand Skin Pass Mill.				
	i) One 1420 mm Twin Stand Temper / DCR Mill.	Same as 4.0 MT Stage	T M B P Coil	100	100
	j) Five Shearing Lines and Three Slitting Lines	Same as 4.0 MT Stage	CR Sheet CR Slit Coil	980 410	980 410
	k) One Hot Dip Galvanising Line with One Galvanised Sheet Shearing Line & One Galvanised Sheet Corrugation Line	Same as 4.0 MT Stage	GPCoil/GP /GCSheet	170	170
<b>CR Saleable</b>				<b>1660</b>	<b>1660</b>
<b>TOTAL SALEABLE STEEL</b>				<b>3160</b>	<b>3780</b>

**UNIT AND CAPACITY**

DEPATRMENTS	Unit / Facilities	Products	Annual Capacity ( '000 T )	
<b>COLD ROLLING MILL- III</b>	PLTCM	Continuous HCl Pickling line Coupled with 5 Stand 6-Hi Tandem Cold Mill	Reduced Coil	1228
	ECL	Electrolytic Cleaning Line to remove any final rolling oils and iron fines in Reduced coils	Reduced Coil	366
	BAF	100% Hydrogen Bell Annealing Furnace having 47 bases &26 Furnaces	Annealed Coil	860
	SPM	Single Stand 4-Hi Skin Pass Mill	CR Coil	847
	TL-IL	Tension Leveller & Inspection Line with Combination of Walking Beam conveyor, Coil shuttle car & Coil Transfer car	CR Coil	693
	HDGL	Hot Dip Galvanising Line with electrolytic cleaning & differential Zn coating	Galvanised Iron Coil	324
			Galva Annealed Coil	36
	CPL	Coil Packaging Line-1	GI /GA Coils	360
Coil Packaging Line-2		CR Coil	840	
<b>CR Saleable</b>			<b>1200</b>	

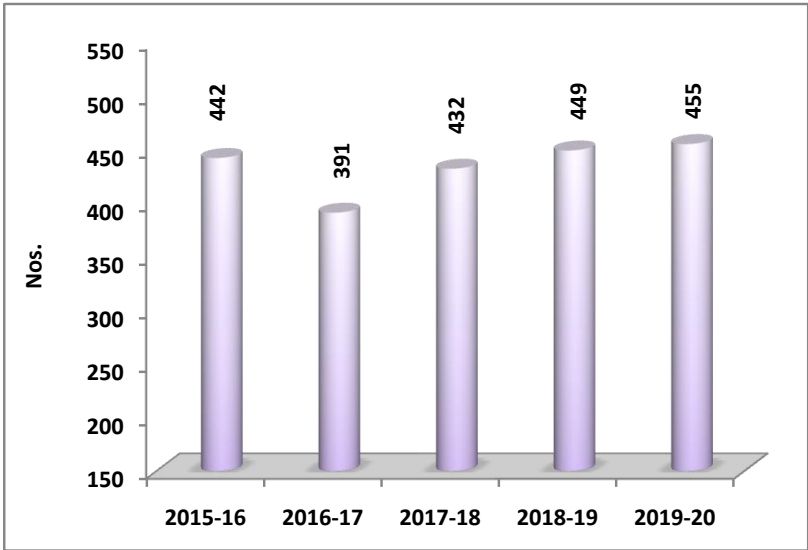
## PERFORMANCE OF SAIL PLANTS ( 2019-20 )

UNIT : Million Tonnes

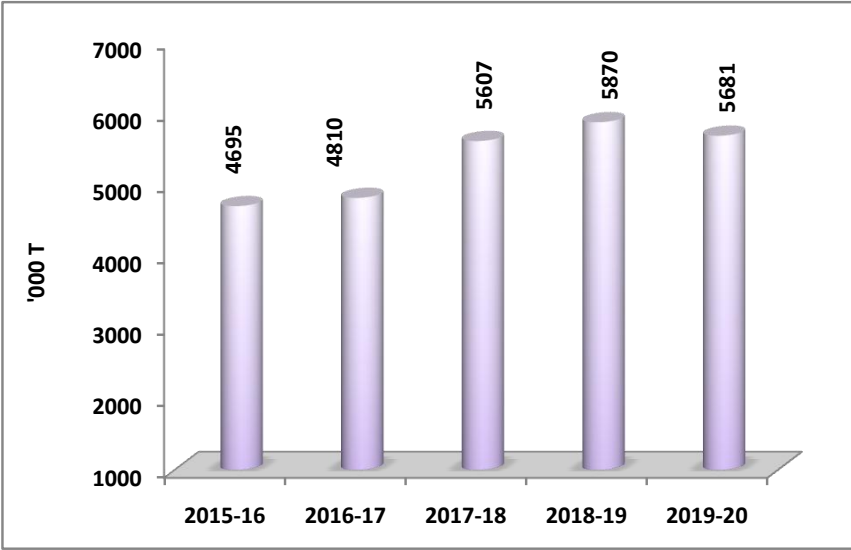


**PRODUCTION TREND**

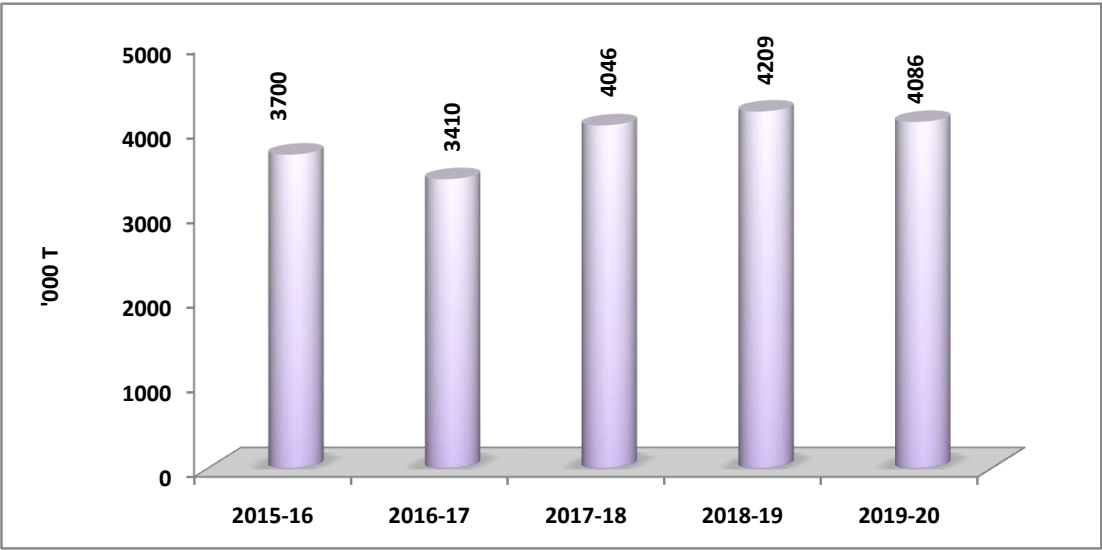
**OVEN PUSHINGS / DAY**



**GROSS SINTER**

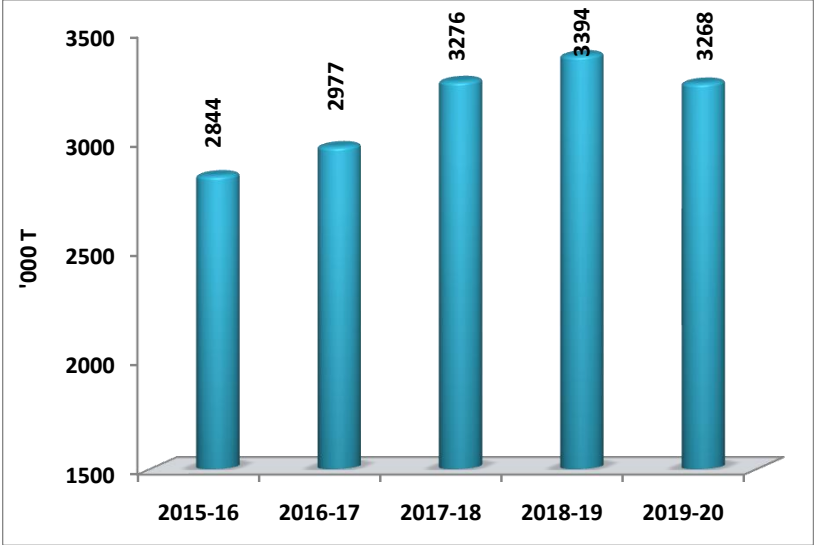


**HOT METAL**

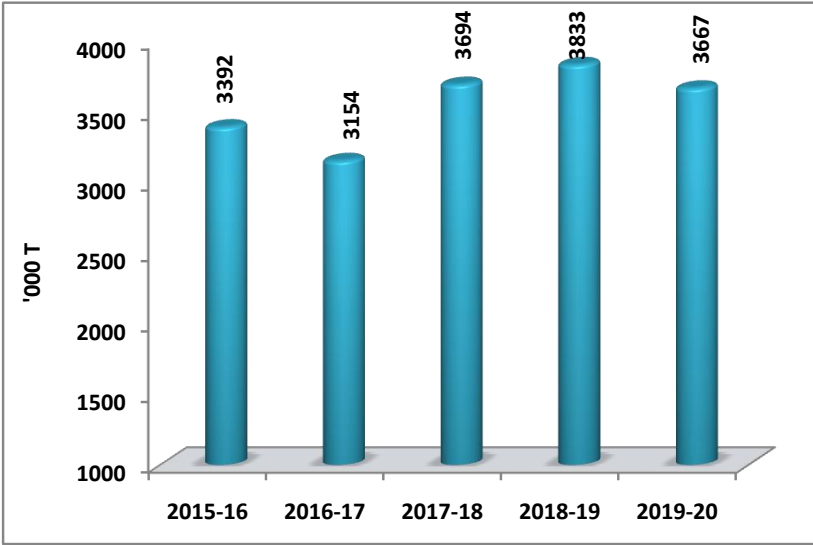


**PRODUCTION TREND**

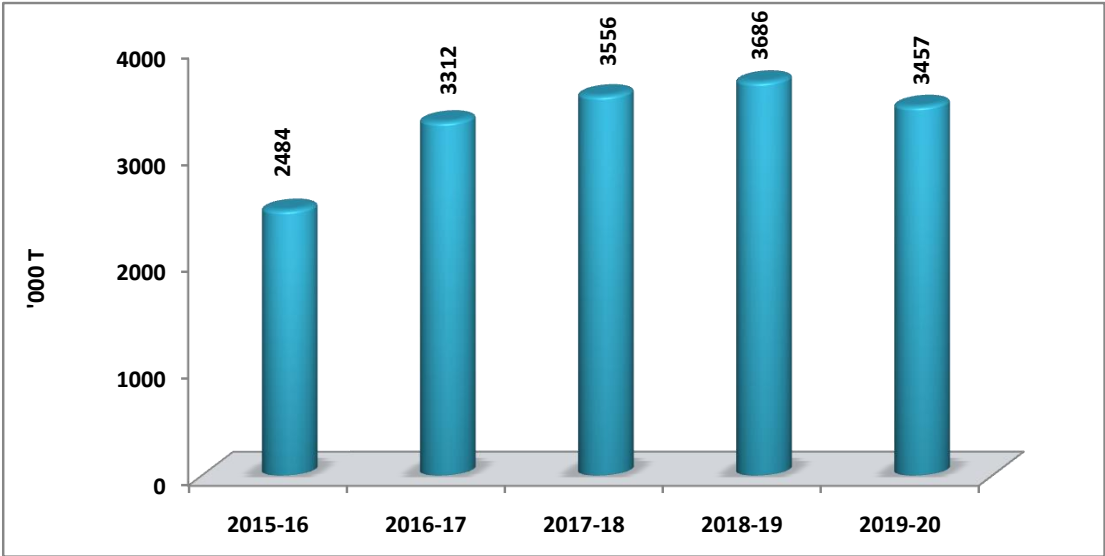
**CAST SLAB**



**CRUDE STEEL**



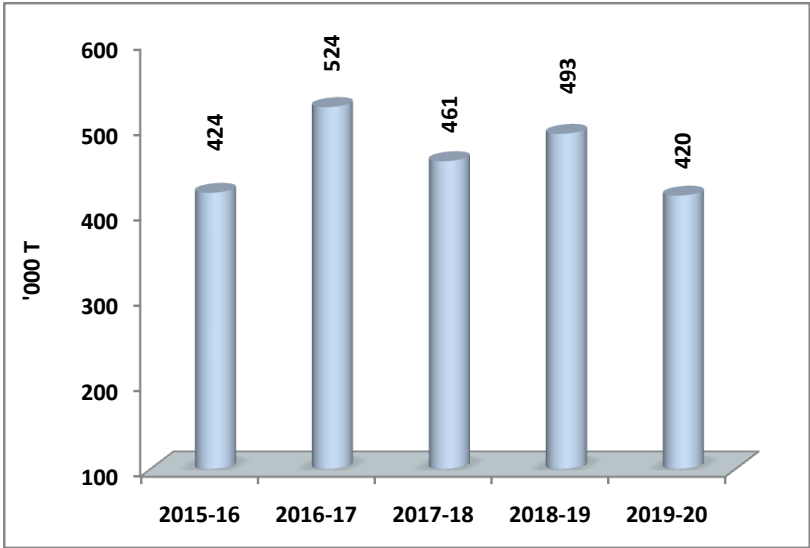
**HR COIL**



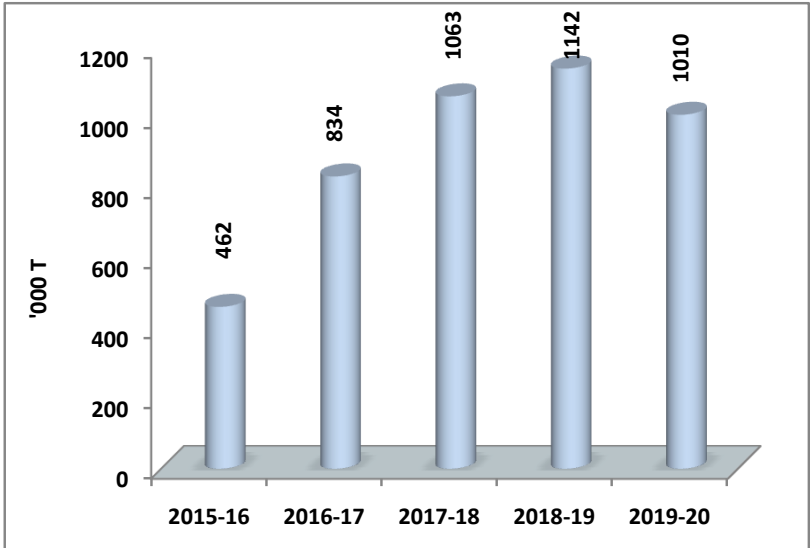


**PRODUCTION TREND**

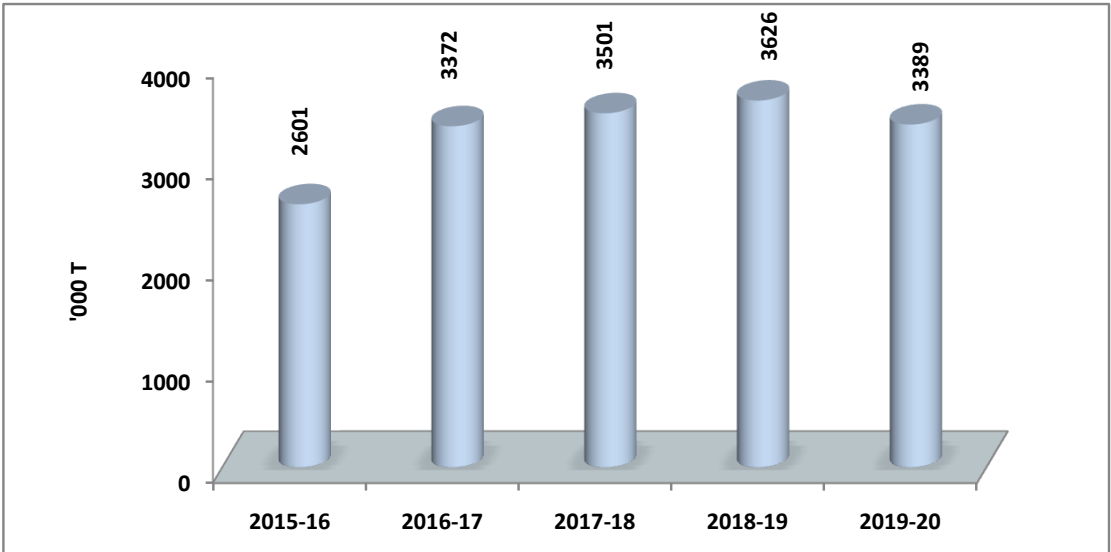
**HR PLATE / SHEET**



**CR SALEABLE**

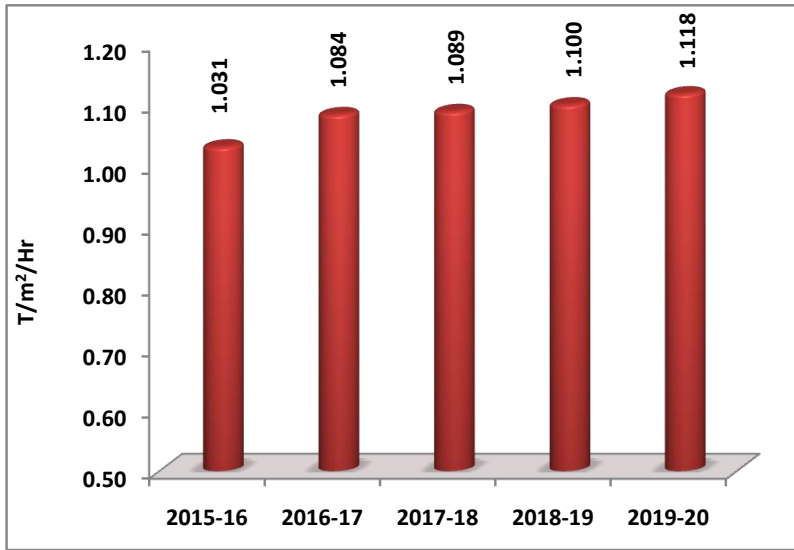


**SALEABLE STEEL**

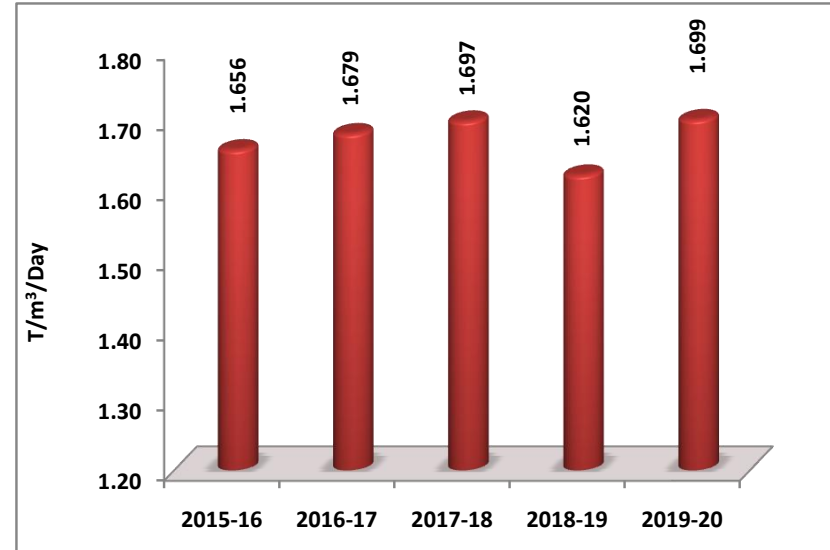


## TECHNO-ECONOMIC INDICES

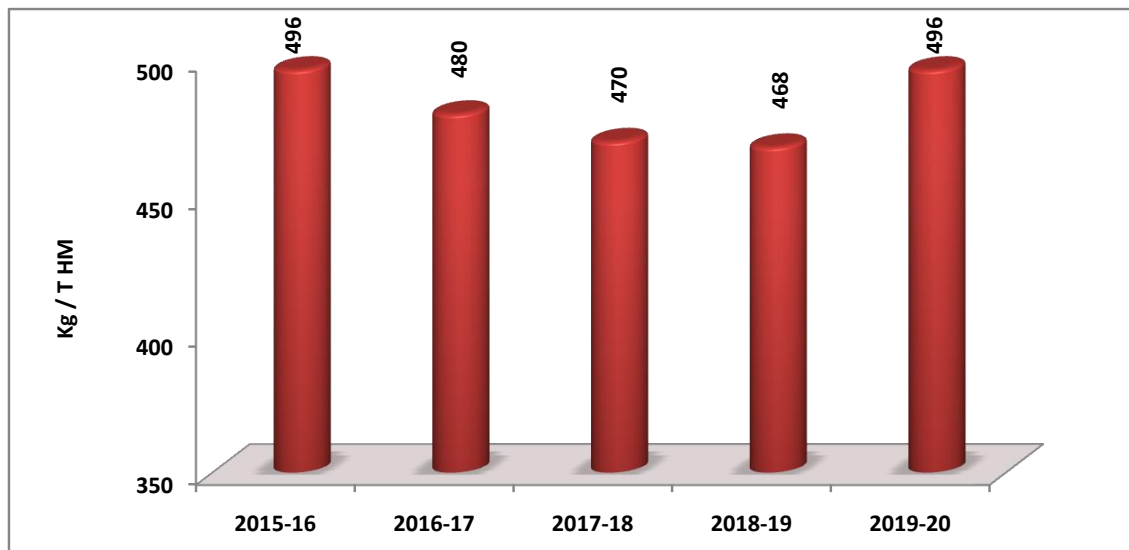
### SINTER M/C PRODUCTIVITY



### B F PRODUCTIVITY

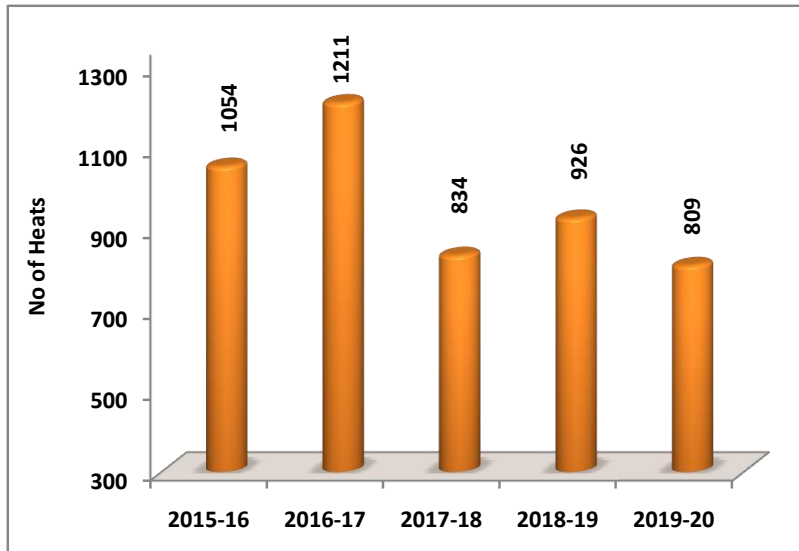


### COKE RATE

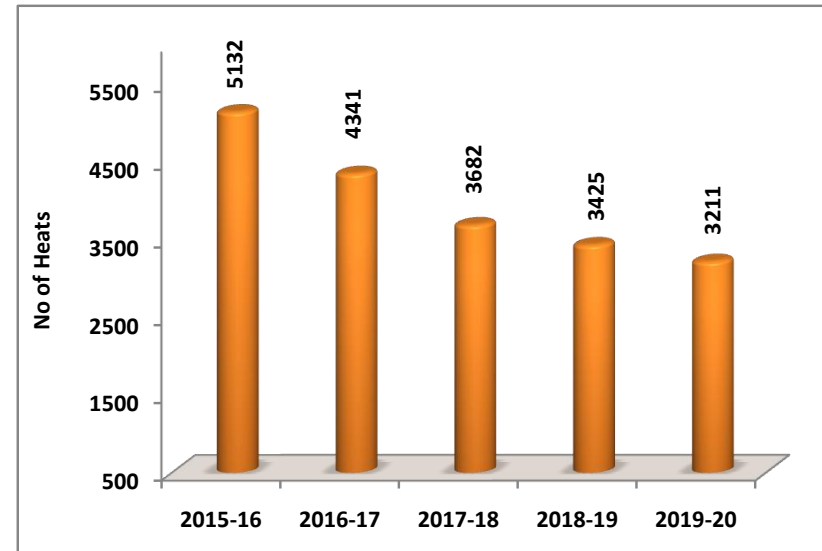


## TECHNO ECONOMIC INDICES

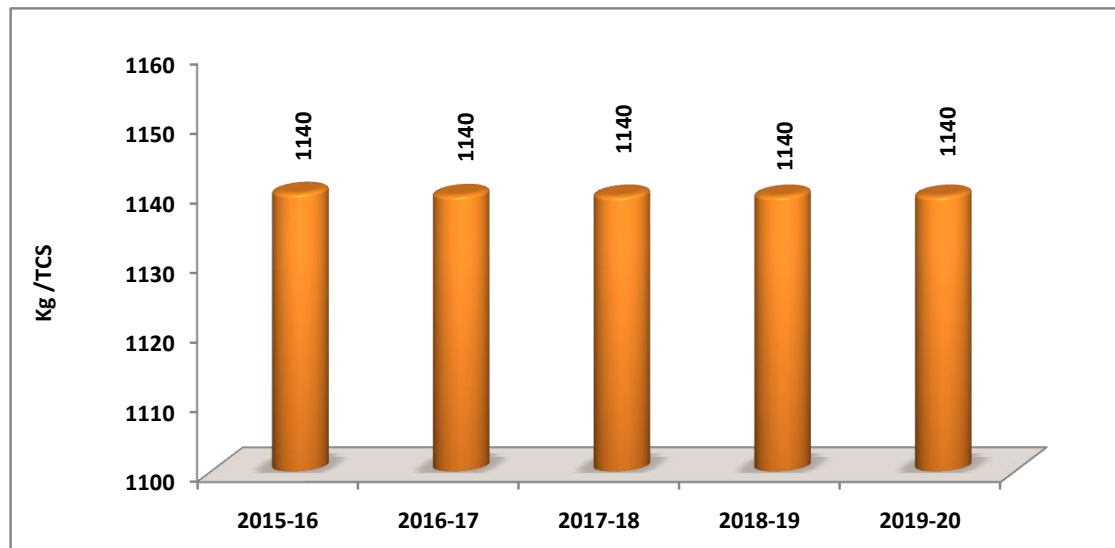
### AVERAGE LINNING LIFE (SMS-I)



### AVERAGE LINNING LIFE (SMS-II)

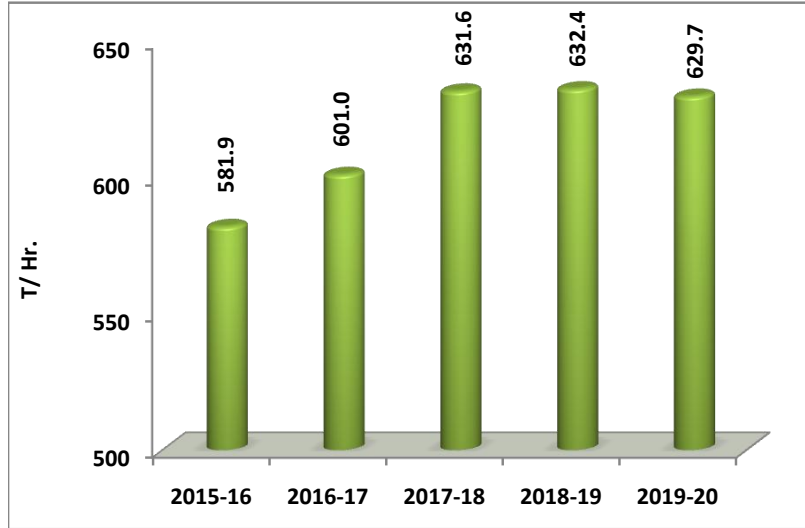


### GROSS METALLIC INPUT

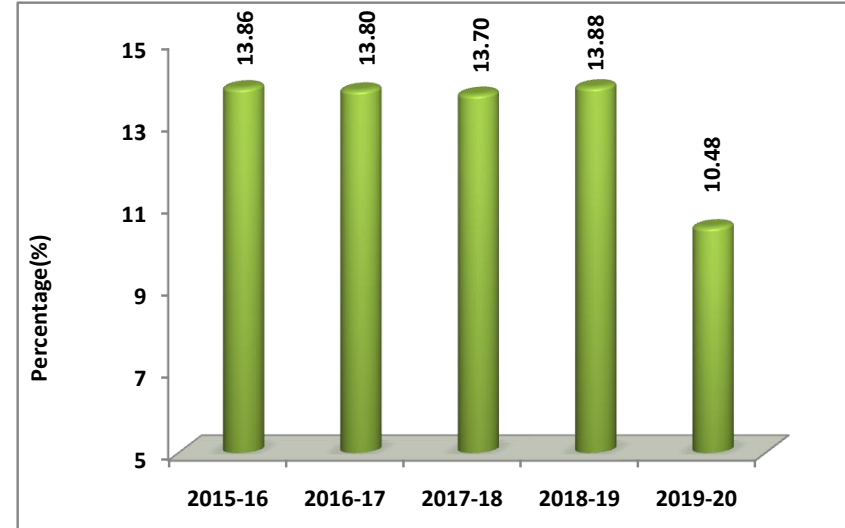


## TECHNO ECONOMIC INDICES

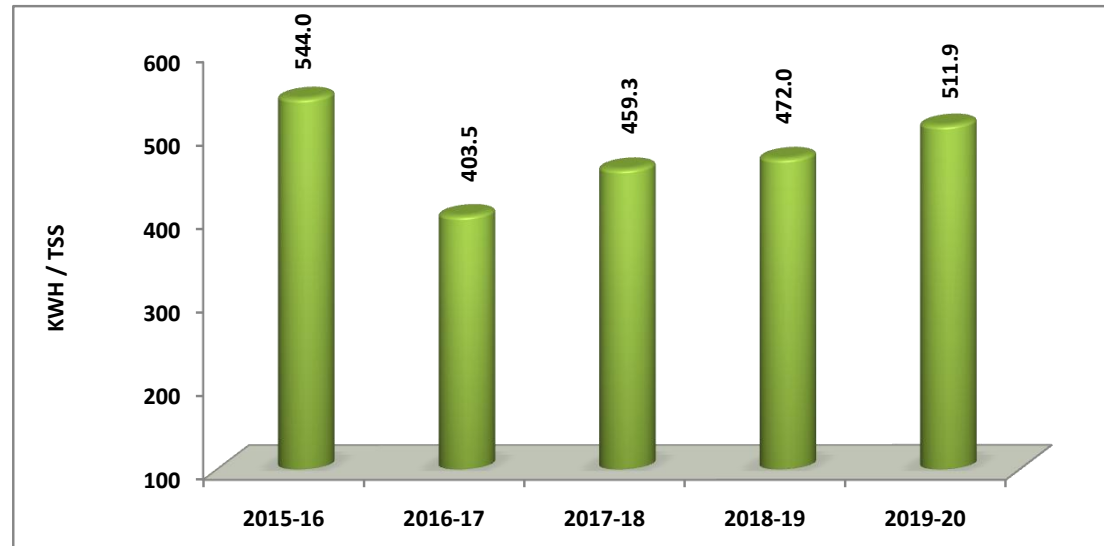
### SLAB ROLLING RATE AT HSM



### SPECIAL STEEL IN FINISHED STEEL

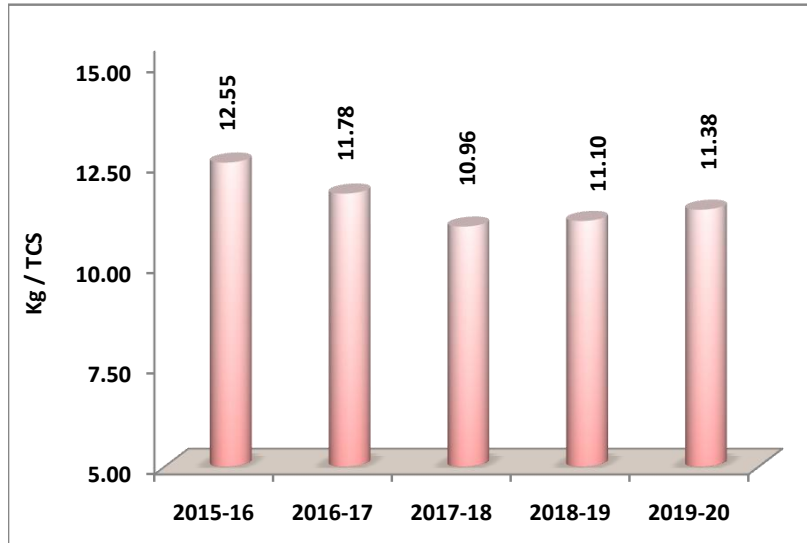


### POWER CONSUMPTION / T OF SALEABLE STEEL

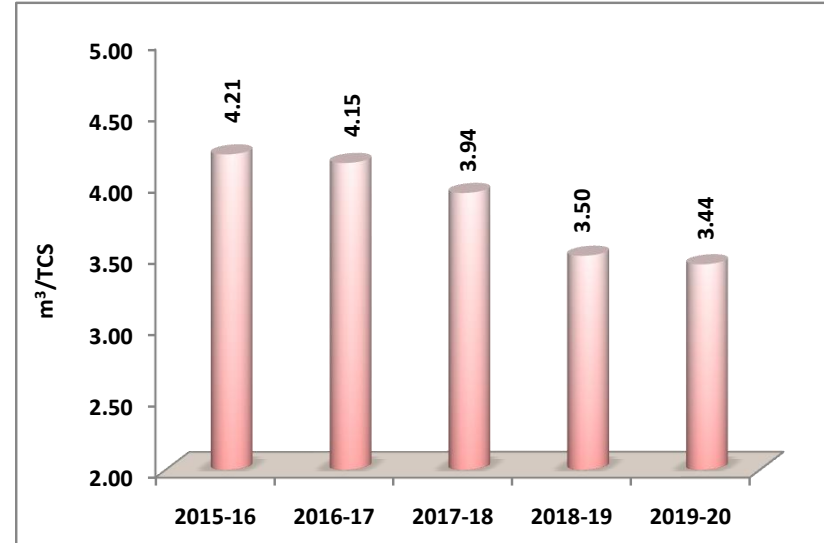


## TECHNO ECONOMIC INDICES

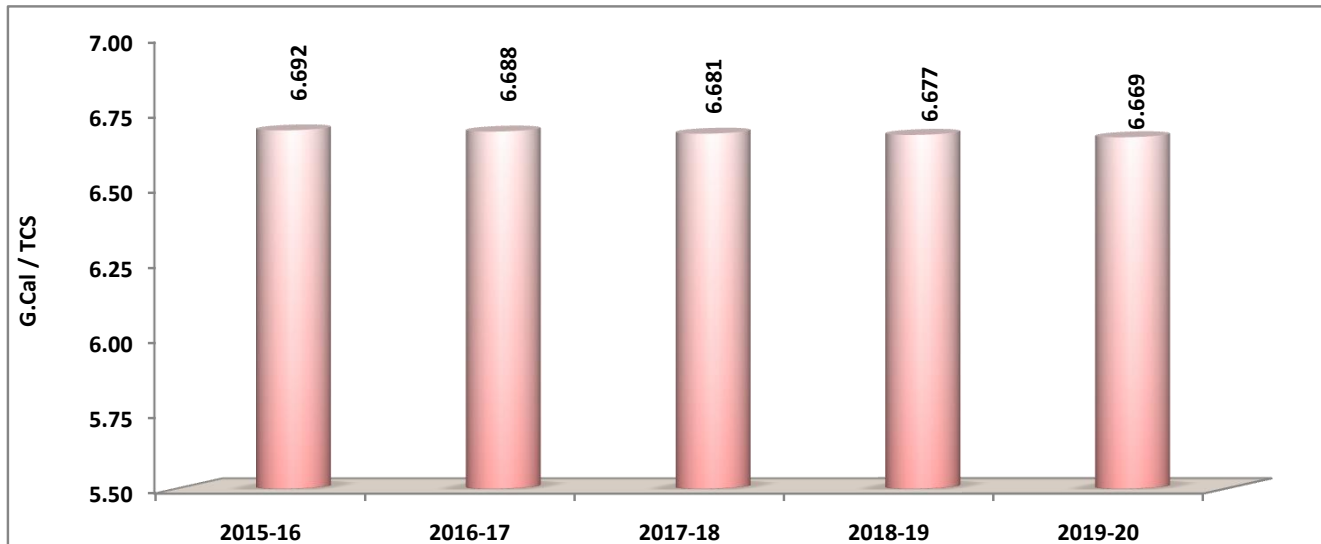
### REFRACTORY CONSUMPTION



### WATER CONSUMPTION

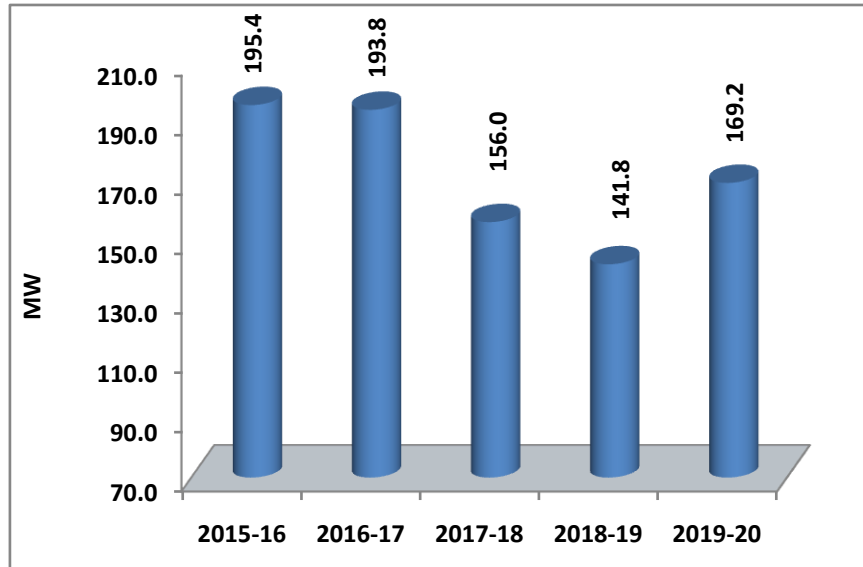


### OVERALL ENERGY CONSUMPTION

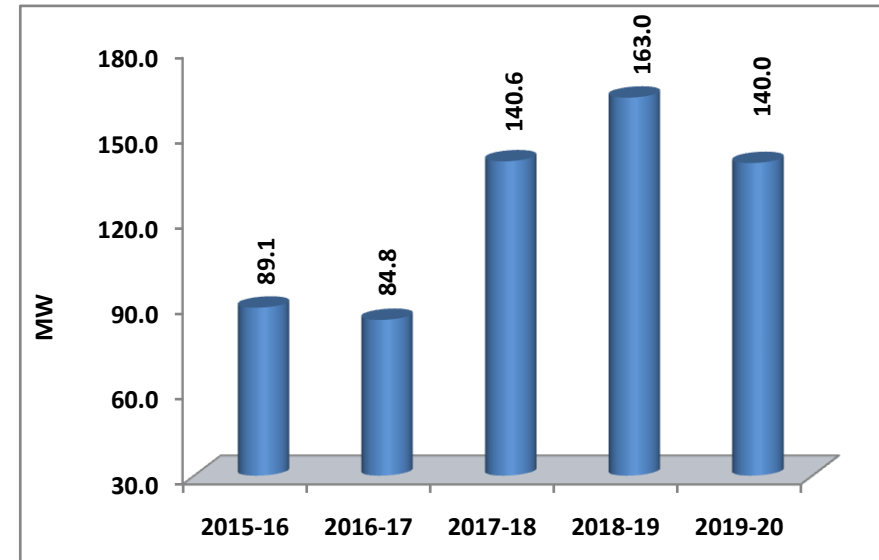


## POWER GENERATION & IMPORT

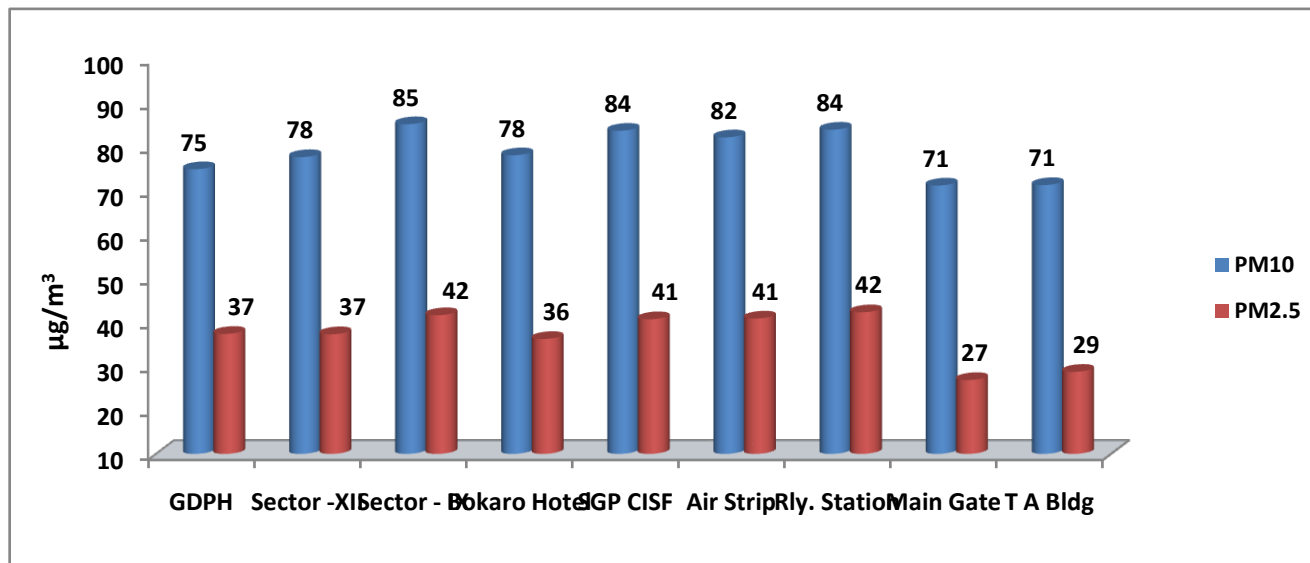
### GENERATION



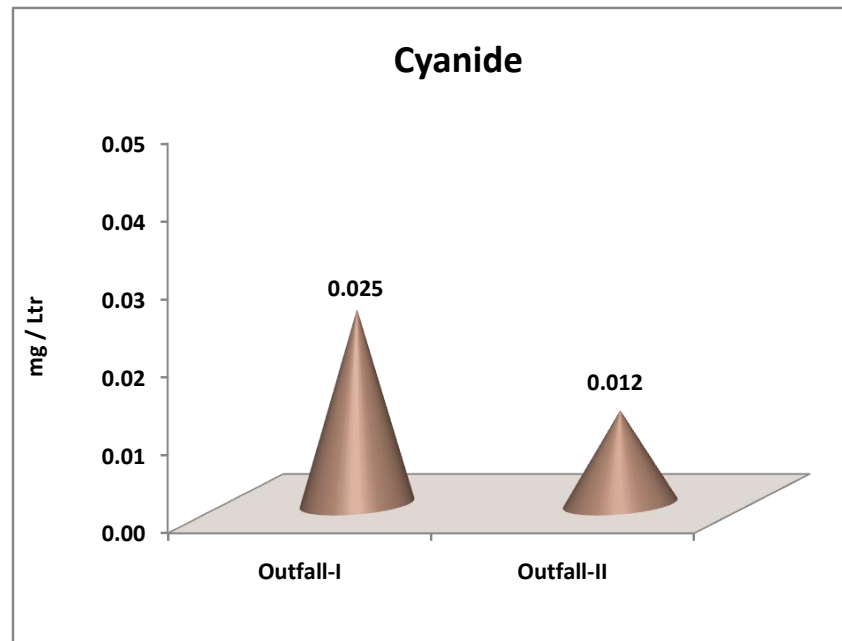
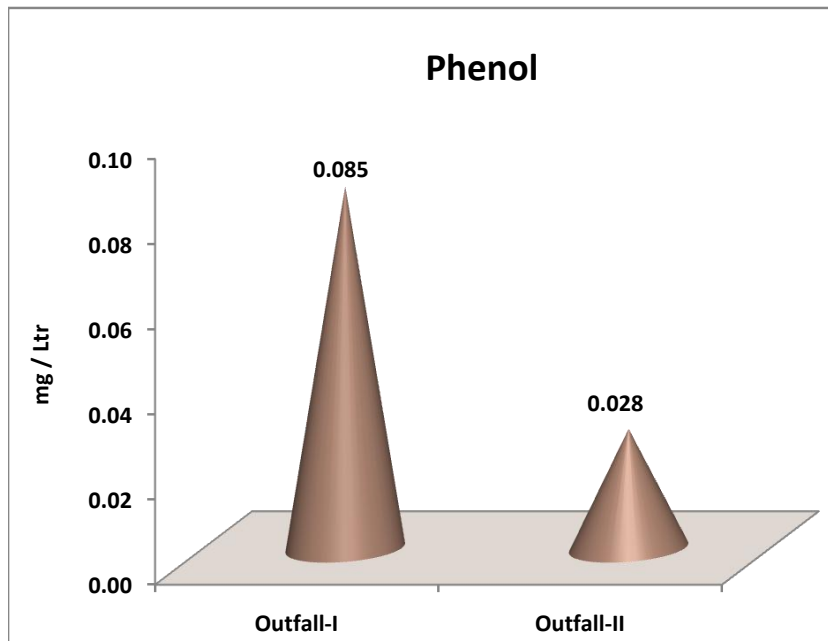
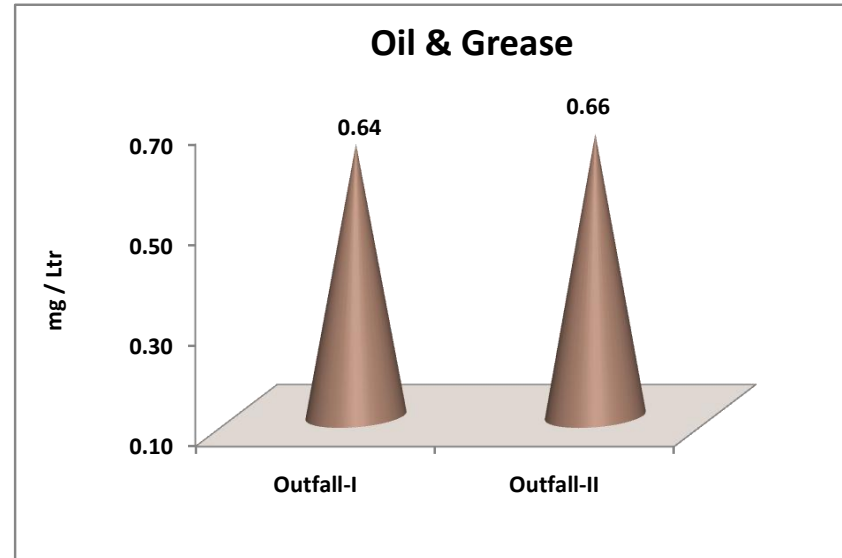
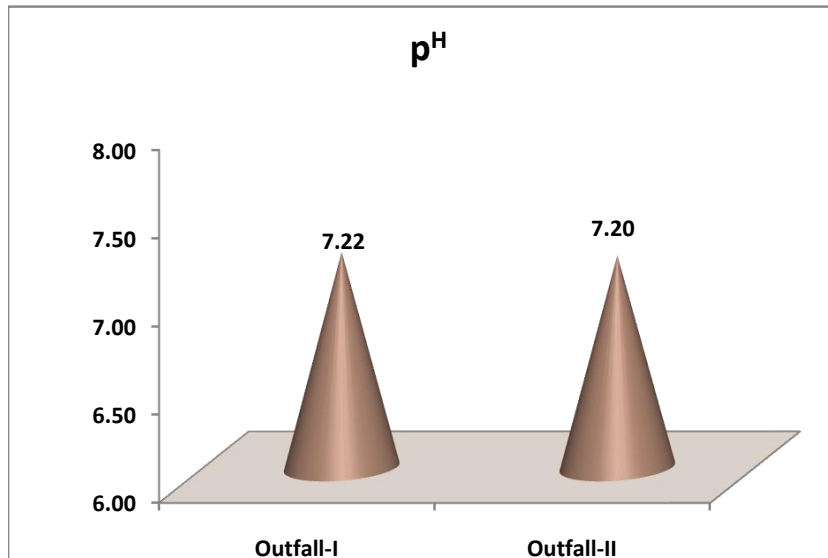
### IMPORT



## AMBIENT AIR QUALITY 2019-20



## EFFLUENT WATER QUALITY 2019-20



**SINCE INCEPTION**



प्रारम्भ से उत्पादन  
PRODUCTION SINCE INCEPTION



MAIN UNITS		Unit - Tonne							
		Table No. 1.1(Contd.)							
	PRODUCTS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
COKE OVENS	Oven Pushed(Nos.)	16910	41929	61785	66148	94457	120580	117822	122624
	Gross Coke	275079	703228	1004255	1074839	1534796	1948464	1898826	1976187
	BF Coke	241335	619532	875732	937283	1338295	1699114	1655963	1723206
SINTERING PLANT	Gross Sinter	441112	1073092	1172171	1428165	2075957	1816083	1994315	1588951
BLAST FURNACE	Hot Metal	333095	740285	782142	973059	1737999	1547345	1900179	1693977
	Pig Iron	307632	664319	602994	590139	706586	511451	607576	279969
STEEL MELTING SHOP	Heats Made (Nos.)								
	- SMS-I	-	161	1144	3043	7899	7993	10119	11729
	- SMS-II	-	-	-	-	-	-	-	-
	Ingot Steel (Net)	-	17911	121756	341611	956199	933317	1194844	1425725
ROLLING MILLS	Ingot Rolled	-	-	1193	253709	1004689	984959	1202054	1153950
	Rollled Slab (SI Mill)	-	-	1104	219168	854960	834512	1002814	969397
	HR Coil (Total)	-	-	-	85860	668604	716328	912344	857501
	HR Plate/Sheet	-	-	-	38802	295888	234258	308875	349115
	CR Saleable	-	-	-	-	-	122862	253327	156116
SALEABLE STEEL	HR Coil/Slit Coil	-	-	-	20750	352968	359627	316722	328458
	HR Plate	-	-	-	38670	215745	153027	221935	245124
	HR Sheet	-	-	-	132	80143	81231	86940	103991
	CR Coil/Slit Coil	-	-	-	-	-	90434	141320	82754
	CR Sheet	-	-	-	-	-	32428	112007	73362
	GP Coil	-	-	-	-	-	-	-	-
	GP Sheet	-	-	-	-	-	-	-	-
	GC Sheet	-	-	-	-	-	-	-	-
	TMBP	-	-	-	-	-	-	-	-
	Slab	-	-	1104	113124	135977	83558	36833	3274
	Thick Plate	-	-	-	1978	11364	13606	12431	9045
	Others	-	-	-	-	-	1065	2953	2927
		<b>TOTAL</b>	-	-	<b>1104</b>	<b>174654</b>	<b>796197</b>	<b>814976</b>	<b>931141</b>

**प्रारम्भ से उत्पादन**  
**PRODUCTION SINCE INCEPTION**

<b>MAIN UNITS</b>		<b>Unit - Tonne</b>										
		Table No. 1.1(Contd.)										
	<b>PRODUCTS</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>	<b>1987-88</b>	<b>1988-89</b>	<b>1989-90</b>	
<b>COKE OVENS</b>	Oven Pushed (Nos.)	119464	146853	161979	169605	164669	178525	180552	194490	192665	177688	
	Gross Coke	1920482	2348766	2576842	2692675	2625926	2828728	2843497	3060488	3045424	2795540	
	BF Coke	1674654	2048129	2247020	2348017	2289795	2466625	2479538	2661807	2558639	2334229	
<b>SINTERING PLANT</b>	Gross Sinter	1752725	2602061	2577883	2628098	2728970	3115870	3306369	3585773	3651348	3709106	
<b>BLAST FURNACE</b>	Hot Metal	1677914	2192319	2193825	2275097	2400157	2523617	2812537	3122881	3220808	3200144	
	Pig Iron	729782	451536	392755	527578	435548	501543	641824	640938	344993	390139	
<b>STEEL MELTING SHOP</b>	Heats Made (Nos.)											
	- SMS-I	7412	14236	14655	12842	11621	10706	10115	10468	11660	10843	
	- SMS-II	-	-	-	351	1787	2447	2908	3815	4293	4295	
	- Overall	7412	14236	14655	13193	13408	13153	13023	14283	15953	15138	
	Ingot Steel (Net)	922546	1792429	1828820	1680765	1925213	2003208	2056405	2418356	2770820	2653846	
<b>ROLLING MILLS</b>	Ingot Rolled	1010504	1801469	1897873	1663782	1822086	2000097	1934691	2363184	2665968	2618151	
	Rolled Slab (Sl. Mill)	855871	1519654	1593010	1357903	1490487	1685200	1640121	1976249	2271646	2240400	
	HR Coil (Total)	740841	1421382	1491851	1306185	1378577	1536478	1527313	1852678	2166030	2230783	
	HR Plate/Sheet	264552	518602	574922	435354	461901	614531	586761	551626	644394	1393745	
	Galvanised Coil										10104	
	CR Saleable	146870	268597	292345	259000	295957	296498	249116	332198	433679	751217	
<b>SALEABLE STEEL</b>	HR Coil/Slit Coil	306726	583662	593002	562260	589075	591506	651965	928367	1006363	955452	
	HR Plate	188228	363877	391371	254137	257434	400248	387316	300245	364408	438293	
	HR Sheet	76324	154725	183551	181217	204467	214283	199445	251381	279986	249897	
	CR Coil/Slit Coil	76806	176938	196343	191832	224288	199084	158575	232628	287291	338045	
	CR Sheet	70064	91659	96002	67168	71669	97414	90541	99570	146388	155398	
	GP Coil	-	-	-	-	-	-	-	-	-	-	
	GP Sheet	-	-	-	-	-	-	-	-	-	7235	
	GC Sheet	-	-	-	-	-	-	-	-	-	642	
	TMBP	-	-	-	-	-	-	-	-	-	-	
	Slab	112256	80200	45874	5014	55865	84375	99511	98598	130093	128127	
	Thick Plate	11457	15410	18326	22890	30680	55821	33766	57280	62407	52086	
	Others	2197	5128	4465	3515	25227	77779	123463	-	-	-	
	<b>TOTAL</b>		<b>844058</b>	<b>1471599</b>	<b>1528934</b>	<b>1288033</b>	<b>1458705</b>	<b>1720510</b>	<b>1744582</b>	<b>1968069</b>	<b>2276936</b>	<b>2325175</b>

**प्रारम्भ से उत्पादन**  
**PRODUCTION SINCE INCEPTION**

MAIN UNITS		Unit - Tonne										
		Table No. 1.1(Contd.)										
	PRODUCTS	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	
<b>COKE OVENS</b>	Oven Pushed (Nos.)	172489	186951	188570	180672	161999	167280	180976	176688	164498	167242	
	Gross Coke	2633834	2855692	2934027	2737664	2430116	2533816	2796444	2789524	2620138	2671313	
	BF Coke	2196069	2447721	2564241	2347622	2092580	2189442	2432287	2492220	2350938	2393414	
<b>SINTERING PLANT</b>	Gross Sinter	4170494	4836351	5191749	5629032	5462802	5352764	5391252	5373947	4854183	5060918	
<b>BLAST FURNACE</b>	Hot Metal	3267027	3673274	3856111	4040011	4090352	3968227	4119293	4130124	3763261	3929645	
	Pig Iron	332033	170913	153418	202578	255571	154222	260305	348360	399239	279841	
<b>STEEL MELTING SHOP</b>	Heats Made (Nos.)											
	- SMS-I	11403	13341	14006	14229	14501	14603	13404	13553	12657	13406	
	- SMS-II	4599	5570	5878	6098	5869	5709	6147	6086	4935	5663	
	- Overall	16002	18911	19884	20327	20370	20312	19551	19639	17592	19069	
	Ingot Steel (Net)	2806039	3417368	3589424	3711650	3655702	3680363	3643746	3496336	2230427	1860890	
	CC Slab	-	-	-	-	-	-	-	36432	854105	1492501	
	Crude Steel	-	-	-	-	-	-	-	3532768	3084532	3353391	
<b>ROLLING MILLS</b>	Ingot Rolled	2738466	3215741	3367593	3426149	3442880	3510224	3285494	3145434	1955303	2030077	
	Rolled Slab (SI Mill)	2345293	2762810	2905179	2964912	3004501	3071915	2873568	2782407	1771516	1796856	
	HR Coil (Total)	2383811	2665879	2825146	2984879	2949042	3074833	2837220	2668015	2284880	2891193	
	HR Plate/Sheet	731033	844546	751585	808794	651891	750824	676590	658926	647420	582214	
	Galvanised Coil	68731	112283	141140	152798	158562	169579	163586	172512	151013	154711	
	CR Saleable	599856	855570	877920	948275	965229	1078323	1002258	1040451	923323	1035012	
	<b>SALEABLE STEEL</b>	HR Coil	944662	864399	1154010	1243295	1308974	1232683	958581	880998	655551	1176807
HR Plate		448778	548473	460239	510430	396308	491741	431863	415125	416651	336373	
HR Sheet		282255	296073	291346	298364	255583	259083	244727	243801	230769	245841	
CR Coil/Slit Coil		371647	507597	508180	550440	664318	759941	722050	725880	655968	734832	
CR Sheet		158562	208542	184452	175451	116379	148133	127246	120457	99508	123798	
GP Coil		-	-	8439	15631	13913	12745	14703	74224	75634	98815	
GP Sheet		54605	78496	87811	98927	92780	104412	94313	73013	37171	24655	
GC Sheet		14601	34398	42808	42842	47977	53092	42585	36067	39091	30733	
T M B P		441	26537	46230	64984	29862	-	1361	10810	15951	22179	
Slab		95418	85271	134138	116474	99221	100223	140326	95754	222515	373611	
Thick Plate		55680	80616	80848	83314	72150	65151	63758	56286	53343	78588	
Others		-	-	-	5040	70794	102649	204292	16064	39324	-	
<b>TOTAL</b>			<b>2426649</b>	<b>2730402</b>	<b>2998501</b>	<b>3205192</b>	<b>3168259</b>	<b>3329853</b>	<b>3045805</b>	<b>2748479</b>	<b>2541476</b>	<b>3246232</b>

**प्रारम्भ से उत्पादन**  
**PRODUCTION SINCE INCEPTION**

MAIN UNITS		Unit - Tonne									
		Table No. 1.1(Contd.)									
	PARTICULARS	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>COKE OVENS</b>	Oven Pushed (Nos.)	170870	165994	174322	174554	164589	176030	172495	172402	164976	163635
	Gross Coke	2730588	2653954	2787104	2792166	2614721	2660067	2567672	2597987	2470178	2434858
	BF Coke	2443436	2374861	2494008	2498538	2342688	2411705	2338002	2371611	2257935	2220986
<b>SINTERING PLANT</b>	Gross Sinter	5090479	4864458	5202643	5226935	5212445	5942830	5733297	5682212	4940012	5049806
<b>BLAST FURNACE</b>	Hot Metal	3956311	3883990	4086103	4107941	4131792	4706517	4588222	4657959	4020992	4065568
	Pig Iron	109176	215822	144780	88955	74815	166546	160971	98125	79262	110842
<b>STEEL MELTING SHOP</b>	Heats Made (Nos.)										
	- SMS-I	12335	10417	11489	9997	9527	11845	10618	9965	8271	8331
	- SMS-II	7047	7717	7784	8565	9130	9616	9891	10344	9200	9416
	- Overall	19382	18134	19273	18562	18657	21461	20509	20309	17471	17747
	Ingot Steel (Net)	1664853	1419268	1532366	1300090	1240912	1523885	1347870	1272661	1054690	1021690
	CC Slab	1969700	2078922	2137693	2454341	2594134	2703896	2719479	2854221	2522839	2573826
	Crude Steel	3634553	3498190	3670059	3754431	3835046	4227781	4067349	4126882	3577529	3595516
<b>ROLLING MILLS</b>	Ingot Rolled	1660460	1416275	1528223	1317909	1228443	1457948	1377074	1319206	1052079	1004976
	Rolled Slab (SI Mill)	1452030	1239073	1337224	1146580	1068745	1268379	1198044	1147705	915320	874371
	HR Coil (Total)	3227448	3006487	3229155	3337573	3481252	3616820	3636184	3600132	3315421	3448427
	HR Plate/Sheet	625741	712448	615768	526413	607546	666879	666277	684753	635587	633418
	Galvanised Coil	185498	175440	159251	184334	172749	164214	173426	114597	112035	125207
	CR Saleable	1118828	950135	935469	982382	984144	960657	936402	778341	647903	692828
<b>SALEABLE STEEL</b>	HR Coil	1339848	1315395	1638994	1747253	1812212	1887275	1981819	2104221	1963781	2055976
	HR Plate	429651	455487	393880	359064	441365	479102	479064	506686	464208	463076
	HR Sheet	196090	256961	221888	167349	166181	187777	187213	178067	171379	170342
	CR Coil/Slit Coil	776498	634182	628353	645828	670688	645589	646597	577432	470719	510904
	CR Sheet	122016	106500	114493	122771	125168	124504	109149	76171	60367	50209
	GP Coil	118007	128898	130465	149234	122966	117851	123833	73372	74082	79986
	GP Sheet	30523	29564	18859	19310	27420	29005	34704	28969	19487	24761
	GC Sheet	34476	26164	9902	17205	20263	21516	12840	16961	17181	19156
	T M B P	37308	24827	33397	28034	17639	22192	9279	5436	6067	7812
	Slab	139451	174834	122240	140439	73078	165425	204870	286554	93831	40421
	Thick Plate	88846	47313	45944	53630	47171	54786	68460	48990	42110	38826
	Others	-	-	-	-	-	-	-	-	-	-
	<b>TOTAL</b>		<b>3312714</b>	<b>3200125</b>	<b>3358415</b>	<b>3450117</b>	<b>3524151</b>	<b>3735022</b>	<b>3857828</b>	<b>3902859</b>	<b>3383212</b>

**प्रारम्भ से उत्पादन**  
**PRODUCTION SINCE INCEPTION**

MAIN UNITS		Unit - Tonne										Table No. 1.1(Contd.)
	PARTICULARS	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	
<b>COKE OVENS</b>	Oven Pushed (Nos.)	162145	156469	150117	134647	156689	161702	142835	157530	163849	166533	
	Gross Coke	2411745	2229637	2059408	1843317	2332317	2417121	2143033	2398001	2512084	2560445	
	BF Coke	2212026	2048857	1892429	1693859	2151324	2237471	1991323	2217160	2311117	2355609	
<b>SINTERING PLANT</b>	Gross Sinter	4716846	4603166	4847686	4663798	5061641	4695029	4810372	5606787	5870100	5680949	
<b>BLAST FURNACE</b>	Hot Metal	4107760	4012263	4126244	4100093	4253271	3700004	3409936	4045681	4209268	4086135	
	Pig Iron	145885	28584	83889	39564	104364	32546	28500	56681	85194	129890	
<b>STEEL MELTING SHOP</b>	Heats Made (Nos.)											
	- SMS-I	7214	6246	7079	6349	6781	4486	1422	3422	3545	3202	
	- SMS-II	9607	10051	10656	11033	11047	10529	10927	12008	12471	11972	
	- Overall	16821	16297	17735	17382	17828	15015	12349	15430	16016	15174	
	Ingot Steel (Net)	911632	798814	880906	787400	840879	548044	176533	417885	439775	399577	
	CC Slab	2679913	2848522	2877578	2988323	2990157	2844031	2977200	3275703	3393576	3267797	
	Crude Steel	3591545	3647336	3758484	3775723	3831036	3392075	3153733	3693588	3833351	3667374	
<b>ROLLING MILLS</b>	Ingot Rolled	835651	736760	745298	784443	785360	547584	183206	383216	404620	411738	
	Rolled Slab (SI Mill)	726941	641390	648411	683627	685617	478040	159985	334546	353235	359445	
	HR Coil (Total)	3256860	3210207	3341192	3412752	3290001	2484322	3311766	3556226	3686103	3456997	
	HR Plate/Sheet	595190	523773	505151	483176	515531	423623	524008	460647	492673	420292	
	Galvanised Coil	111546	63218	88391	112834	102350	87206	112932	128897	131423	64519	
	CR Saleable	626704	517975	595820	552987	518597	462122	834181	1062729	1141806	1010077	
<b>SALEABLE STEEL</b>	HR Coil	2112421	2100360	2186983	2275655	2165821	1586379	1851650	1936990	1965553	1948330	
	HR Plate	437769	407066	398988	376900	391363	324980	424120	349022	388779	332623	
	HR Sheet	157421	116707	106163	106276	124168	98643	99888	111625	103894	87669	
	CR Coil/Slit Coil	463183	397970	459361	405093	382338	360370	704054	915527	982323	925559	
	CR Sheet	53454	45360	38221	28490	25885	12323	16011	18090	17227	5040	
	GP Coil	73998	38904	68572	82899	79231	63908	88672	107501	121744	69780	
	GP Sheet	22606	15471	18098	24111	24388	18881	20499	19782	18115	7569	
	GC Sheet	13463	9413	8617	11528	6755	6640	4945	1829	2397	2129	
	T M B P	0	10857	2951	866	0	0	0	0	0	0	
	Slab	54881	156937	20010	70146	98003	103536	136965	22678	14300	0	
	Thick Plate	29776	26857	19417	23820	20043	18726	25674	17567	12090	10668	
	Ingot	-	-	2389	83655	58466	6969	0	0	0	0	
	<b>TOTAL</b>		<b>3418972</b>	<b>3325902</b>	<b>3329770</b>	<b>3489439</b>	<b>3376461</b>	<b>2601355</b>	<b>3372478</b>	<b>3500611</b>	<b>3626422</b>	<b>3389367</b>

**પ્રારમ્ભ સે ઉત્પાદન**  
**PRODUCTION SINCE INCEPTION**

<b>AUXILIARY UNITS</b>	<b>Unit - Tonne</b>							
<b>PARTICULARS</b>	<b>1972-73</b>	<b>1973-74</b>	<b>1974-75</b>	<b>1975-76</b>	<b>1976-77</b>	<b>1977-78</b>	<b>1978-79</b>	<b>1979-80</b>
<b>REFRACTORY MATERIAL PLANT</b>								
Cal. Lime + Dolo(SMS Gr)	-	3647	17520	44414	111694	123641	149473	152071
Sintered Dolomite	-	417	3099	5209	10996	10552	12639	12869
<b>OXYGEN PLANT</b>								
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	-	35981	103732	109259	149038	180610	194002	198623
<b>ACETYLENE PLANT</b>								
Acetylene (m <sup>3</sup> )	15461	14181	7323	9763	35398	79020	57953	95223
<b>POWER PLANT</b>								
Power Generation (MWH)								
- TPP	223071	387343	346553	352650	474442	444066	402527	492483
- CPP	-	-	-	-	-	-	-	-
- Total	223071	387343	346553	352650	474442	444066	402527	492483
Power Generation (MW)	25	44	40	40	54	51	46	56
Steam Generated	1285300	2656464	3086879	3299910	4136024	4308767	4579933	4968203
<b>CHEMICAL WATER TREATMENT PLANT</b>								
DM Water (m <sup>3</sup> )	264867	889043	1072662	1220312	1208644	1111774	1535282	1562401
Na-cation water (m <sup>3</sup> )	-	38728	97414	219628	920910	1209823	1372533	1852953
<b>ENGINEERING SHOPS</b>								
Machine Shop (Man M/C Hours.)	584	1703	2796	3926	6276	6918	5693	5548
Forge Shop	55	166	268	702	2001	2367	2205	2544
Structural Shop	3954	6394	7605	8721	11440	10664	12440	15665
<b>I.M. FOUNDRY</b>								
Bottom Plates	-	-	-	2242	5524	7741	11865	14375
Ingot Moulds	-	-	-	1719	17774	24635	31449	29631
<b>OTHER FOUNDRIES</b>								
Steel Foundry	-	-	315	2920	3520	3811	3871	3421
NF Foundry	3	13	17	57	130	186	159	101
CI Foundry	-	14	468	857	1008	1087	1211	1066

**પ્રારમ્ભ સે ઉત્પાદન**  
**PRODUCTION SINCE INCEPTION**

<b>AUXILIARY UNITS</b>	<b>Unit - Tonne</b>									
<b>PARTICULARS</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>	<b>1987-88</b>	<b>1988-89</b>	<b>1989-90</b>
<b>REFRACTORY MATERIAL PLANT</b>										
Cal. Lime + Dolo(SMS Gr)	108329	224388	233259	220820	252368	237048	229368	302924	329340	294175
Sintered Dolomite	8668	12594	14999	14668	13733	12726	10898	15134	12834	9375
<b>OXYGEN PLANT</b>										
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	169564	210117	239704	278327	293343	284349	270526	280278	300804	313374
<b>ACETYLENE PLANT</b>										
Acetylene (m <sup>3</sup> )	103885	106641	95399	90328	94943	65300	51351	83517	85678	97042
<b>POWER PLANT</b>										
Power Generated (MWH)										
- TPP	544762	514577	578248	532124	621052	565137	591226	592334	461863	508172
- CPP	-	-	-	-	-	756	20182	36718	329978	663749
- Total	544762	514577	578248	532124	621052	565893	611408	629052	791841	1171921
Power Generation (MW)	62	59	66	61	71	65	70	72	90	134
Steam Generated	5449849	6104740	6683658	6609501	7151667	7087412	6945853	7047974	8110350	9737855
<b>CHEMICAL WATER TREATMENT PLANT</b>										
DM Water (m <sup>3</sup> )	1823597	1808179	1782591	1810030	1766725	1772691	1896097	1915382	1944076	2039135
Na-cation water (m <sup>3</sup> )	1902201	2189507	2272310	2056185	1961110	1935665	2057885	2063580	2005140	2053680
<b>ENGINEERING SHOPS</b>										
Machine Shop (Man M/C Hours.)	5341	5719	6497	7855	8481	8921	9532	10786	12705	14409
Forge Shop	2578	2498	2711	2880	2936	2998	3151	3211	3806	4149
Structural Shop	12286	15763	17930	16349	18008	19032	19867	20578	24649	24924
<b>I.M. FOUNDRY</b>										
Bottom Plates	11218	10709	11470	14609	13787	17860	14557	12816	14918	10885
Ingot Moulds	25791	27704	29606	34806	31577	35687	37275	46235	47900	46635
<b>OTHER FOUNDRIES</b>										
Steel Foundry	2957	2742	3347	3950	3476	3266	3657	4547	5439	6113
NF Foundry	105	111	132	198	162	183	238	242	301	218
CI Foundry	1039	1140	1132	1168	1085	1250	3044	4214	4897	5782

**प्रारम्भ से उत्पादन**  
**PRODUCTION SINCE INCEPTION**

<b>AUXILIARY UNITS</b>	<b>Unit - Tonne</b>										Table No. 1.1(Contd.)
<b>PARTICULARS</b>	<b>1990-91</b>	<b>1991-92</b>	<b>1992-93</b>	<b>1993-94</b>	<b>1994-95</b>	<b>1995-96</b>	<b>1996-97</b>	<b>1997-98</b>	<b>1998-99</b>	<b>1999-00</b>	
<b>REFRACTORY MATERIAL PLANT</b>											
Cal. Lime + Dolo(SMS Gr)	314205	391495	402870	362460	332900	294140	284460	241930	207085	233840	
Sintered Dolomite	4175	3240	2270	3410	1404	200	1280	1764	1862	680	
<b>OXYGEN PLANT</b>											
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	309523	341592	359213	363758	385703	356967	336280	327034	311259	316441	
<b>ACETYLENE PLANT</b>											
Acetylene (m <sup>3</sup> )	92136	50306	126870	143026	135998	141123	132233	126576	205290	229144	
<b>POWER PLANT</b>											
Power Generated (MWH)											
- TPP	484828	382174	469284	470253	547367	465315	476156	603638	399471	441579	
- CPP	718564	928136	845918	726624	696078	611059	615833	603013	878350	684529	
- Total	<b>1203392</b>	<b>1310310</b>	<b>1315202</b>	<b>1196877</b>	<b>1243445</b>	<b>1076374</b>	<b>1091989</b>	<b>1206651</b>	<b>1277821</b>	<b>1126108</b>	
Power Generation (MW)	<b>137</b>	<b>149</b>	<b>150</b>	<b>137</b>	<b>142</b>	<b>123</b>	<b>125</b>	<b>138</b>	<b>146</b>	<b>128</b>	
Steam Generated	10194939	10898224	11179724	10795752	11151984	10441364	10061450	10735717	10733526	10751768	
<b>CHEMICAL WATER TREATMENT PLANT</b>											
DM Water (m <sup>3</sup> )	2089238	2227211	2248503	2360442	2496763	2724576	2580665	2677040	2882585	2835740	
Na-cation water (m <sup>3</sup> )	2088410	2152560	2384409	2519498	2582360	2490507	2445290	2326230	2349573	2523000	
<b>ENGINEERING SHOPS</b>											
Machine Shop (Man M/C Hours.)	15140	15246	15858	15830	15818	15878	462410	483695	488430	483159	
Forge Shop	4402	4810	4932	5008	4897	4974	4930	3609	3613	3607	
Structural Shop	26538	27148	27651	27610	27606	19531	18319	17819	21543	22133	
<b>I.M. FOUNDRY</b>											
Bottom Plates	14119	18795	20238	11774	12315	14189	18439	18833	21420	24868	
Ingot Moulds	51290	61664	63393	65383	65154	67357	72045	78273	61542	55592	
<b>OTHER FOUNDRIES</b>											
Steel Foundry	6124	7265	8502	8867	8872	8792	4721	4823	4812	4746	
N.F. Foundry	616	169	288	436	422	421	393	397	481	481	
C.I. Foundry	6114	6844	7154	7169	7328	7431	7051	7432	7364	7320	



**પ્રારમ્ભ સે ઉત્પાદન**  
**PRODUCTION SINCE INCEPTION**

<b>AUXILIARY UNITS</b>	<b>Unit - Tonne</b>									
<b>PARTICULARS</b>	<b>2000-01</b>	<b>2001-02</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>
<b>REFRACTORY MATERIAL PLANT</b>										
Cal. Lime + Dolo(SMS Gr)	273950	274110	278729	276820	287915	333520	338000	354240	329195	308285
Sintered Dolomite	737	1742	2334	729	60	0	0	0	0	0
<b>OXYGEN PLANT</b>										
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	302961	318177	335024	325236	323267	350304	368879	377676	389949	465927
<b>ACETYLENE PLANT</b>										
Acetylene (m <sup>3</sup> )	255766	251011	260637	297380	286464	341198	382466	426035	407054	210467
<b>POWER PLANT</b>										
Power Generated (MWH)										
- TPP	653649	667825	550568	674296	609640	641998	735129	647406	524398	591917
- CPP	742247	774205	826833	742035	748540	790620	801253	766955	890254	931738
- Total	1395896	1442030	1377401	1416331	1358180	1432618	1536382	1414361	1414652	1523655
Power Generation (MW)	159	165	157	161	155	164	175	161	161	174
Steam Generated	11954304	12040488	12010653	12106016	12193421	12888228	13314576	12733128	12259536	11955554
<b>CHEMICAL WATER TREATMENT PLANT</b>										
DM Water (m <sup>3</sup> )	2859770	2877833	2880290	2930495	2955122	2825187	2789654	2843521	2821215	2560608
Na-cation water (m <sup>3</sup> )	2366190	2687121	2523696	2610461	2630698	2585364	2638801	2640427	2612945	2654145
<b>ENGINEERING SHOPS</b>										
Machine Shop (Man M/C Hours.)	484490	483215	499020	509810	542365	542445	537058	489313	480128	480185
Forge Shop	3613	3621	3614	3616	3866	3996	4222	3962	3606	3601
Structural Shop	20483	19024	18165	11516	12234	12222	12315	11845	11698	10299
<b>I.M. FOUNDRY</b>										
Bottom Plates	24319	27568	28532	35465	27644	35218	35941	28246	19646	22895
Ingot Moulds	55578	45974	58020	52526	40602	48521	52935	48151	34396	35890
<b>OTHER FOUNDRIES</b>										
Steel Foundry	4754	4758	4815	4832	5133	5295	4988	5012	4811	4816
NF Foundry	461	441	435	457	502	513	548	484	455	450
CI Foundry	7474	7230	7380	7514	7894	7981	7856	7947	7453	7396

**પ્રારમ્ભ સે ઉત્પાદન**  
**PRODUCTION SINCE INCEPTION**

<b>AUXILIARY UNITS</b>	<b>Unit - Tonne</b>										Table No. 1.1
<b>PARTICULARS</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	
<b>REFRACTORY MATERIAL PLANT</b>											
Cal. Lime + Dolo(SMS Gr)	314580	336115	336355	353615	350255	309130	294605	326120	346455	315330	
<b>OXYGEN PLANT</b>											
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	423886	479581	512258	529524	535592	482336	449185	500750	490201	495438	
<b>POWER PLANT</b>											
Power Generated (MWH)											
- TPP	484872.0	452693.0	663818.0	637588.0	587118.0	527738.0	390530.0	488416.0	474682.0	500706.0	
- CPP	680407.0	605574.0	786779.0	864722.5	877087.5	1066222.5	1165905.5	741523.0	648130.0	870340.0	
- TG 9	-	-	-	-	48350.2	122595.0	140956.6	136702.7	118924.2	115440.5	
- Total	1165279.0	1058267.0	1450597.0	1502310.5	1512555.7	1716555.5	1697392.1	1366641.7	1241736.2	1486486.5	
Power Generation (MW)	133.0	120.5	165.6	171.5	172.7	195.4	193.8	156.0	141.8	169.2	
Steam Generated	10530699	9549310	11550124	11421696	11604840	11909332	11723396	10416278	9932568	10958448	
<b>CHEMICAL WATER TREATMENT PLANT</b>											
DM Water (m <sup>3</sup> )	2561940	2411575	2309233	2089361	1540199	2596006	2225622	2314544	2214530	2189122	
Na-cation water (m <sup>3</sup> )	2636350	2628995	2520749	2427045	2428246	2419146	1724809	1898945	1663473	1559756	
<b>ENGINEERING SHOPS</b>											
Machine Shop (Man M/C Hours.)	433514	392341	386947	363606	320661	318279	318801	319659	309157	380017	
Forge Shop	3600	3640	3650	3589	3671	3297	2802	2588	3186	2929	
Structural Shop	8935	8548	8544	8586	8586	9062	8710	8688	8716	8766	
<b>I.M. FOUNDRY</b>											
Bottom Plates	21115	21515	21760	24089	27300	18634	5531	13489	13189	11506	
Ingot Moulds	28024	23953	27807	20497	29602	22434	8552	13887	13502	15143	
<b>OTHER FOUNDRIES</b>											
Steel Foundry	4577	4461	4560	4879	4843	5005	4858	3367	2965	3116	
NF Foundry	417	333	338	441	430	339	311	349	278	250	
CI Foundry	6249	5683	6282	6296	7381	7491	6993	6264	6050	5480	

प्रारम्भ से प्रेषण  
DESPATCH SINCE INCEPTION

STEEL PRODUCTS	Unit - Tonne								Table No. 1.2(Contd.)
PARTICULARS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	
<b>INGOT STEEL</b>	-	8448	87473	108345	51994	25963	13028	40397	
<b>SLAB</b>									
Home	-	-	-	89050	140016	90116	38178	2030	
Export	-	-	-	9977	-	-	-	-	
Total	-	-	-	99027	140016	90116	38178	2030	
<b>H.R. COIL</b>									
Home	-	-	-	153554	331683	265437	315776	332476	
Export	-	-	-	-	15460	93391	2639	-	
Total	-	-	-	153554	347143	358828	318415	332476	
<b>HR SLIT COIL</b>									
Home	-	-	-	-	-	1134	1148	23	
Export	-	-	-	-	-	777	-	-	
Total	-	-	-	-	-	1911	1148	23	
<b>H.R. PLATE</b>									
Home	-	-	-	33359	211485	148445	214407	232560	
Export	-	-	-	-	2285	7294	3276	-	
Total	-	-	-	33359	213770	155739	217683	232560	
<b>H.R. SHEET</b>									
Home	-	-	-	44	68618	78440	87041	103331	
Export	-	-	-	-	5325	6982	-	-	
Total	-	-	-	44	73943	85422	87041	103331	

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

<b>PARTICULARS</b>	<b>1980-81</b>	<b>1981-82</b>	<b>1982-83</b>	<b>1983-84</b>	<b>1984-85</b>	<b>1985-86</b>	<b>1986-87</b>	<b>1987-88</b>	<b>1988-89</b>	<b>1989-90</b>
<b>INGOT STEEL</b>	-	43304	18229	832	38357	8768	73509	92711	52762	68483
<b>SLAB</b>										
Home	111058	79498	36173	14100	10789	98030	91971	93684	135801	123831
Export	-	-	-	-	-	-	-	-	-	-
Total	111058	79498	36173	14100	10789	98030	91971	93684	135801	123831
<b>H.R. COIL</b>										
Home	279308	570794	570650	544780	577127	601769	634197	926113	999906	947017
Export	-	-	11473	15667	-	-	-	-	-	-
Total	279308	570794	582123	560447	577127	601769	634197	926113	999906	947017
<b>HR SLIT COIL</b>										
Home	5306	3691	56	-	-	-	-	-	-	-
Export	-	-	-	-	-	-	-	-	-	-
Total	5306	3691	56	-	-	-	-	-	-	-
<b>H.R. PLATE</b>										
Home	178134	338219	381000	243763	248865	382222	370230	301923	360728	434915
Export	-	-	-	-	-	-	-	-	-	-
Total	178134	338219	381000	243763	248865	382222	370230	301923	360728	434915
<b>H.R. SHEET</b>										
Home	71847	145295	184759	178679	210063	210523	202448	248105	281580	241800
Export	-	-	-	-	-	-	-	-	-	-
Total	71847	145295	184759	178679	210063	210523	202448	248105	281580	241800

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
<b>INGOT STEEL</b>	93823	105210	167132	225572	235764	240549	387317	243181	222607	17190
<b>SLAB</b>										
Home	97423	75171	119328	108402	92214	96485	140034	95716	221562	370392
Export	-	-	-	-	-	-	-	-	-	-
Total	97423	75171	119328	108402	92214	96485	140034	95716	221562	370392
<b>H.R. COIL</b>										
Home	953976	848739	1060798	1167587	1190472	1133382	955302	786160	683182	941072
Export	-	5108	1848	27433	39488	26062	5599	29913	19531	259275
Total	953976	853847	1062646	1195020	1229960	1159444	960901	816073	702713	1200347
<b>H.R. PLATE</b>										
Home	437587	516362	453229	481957	370160	478764	439864	407575	410847	344894
Export	-	-	8167	18225	12602	1592	282	1470	2851	830
Total	437587	516362	463396	500182	382762	480356	440146	409045	413698	345724
<b>H.R. SHEET</b>										
Home	293960	292125	282712	295758	256105	263694	250681	237899	237371	236640
Export	-	225	1392	577	882	2455	475	2128	4511	2120
Total	293960	292350	284104	296335	256987	266149	251156	240027	241882	238760

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

<b>PARTICULARS</b>	<b>2000-01</b>	<b>2001-02</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>
<b>INGOT STEEL</b>	338	21163	39037	19495	5687	112	835	0	0	0
<b>SLAB</b>										
Home	128990	138915	116124	140439	73024	146298	204871	286554	93831	40421
Export	10747	35042	-	-	-	19129	0	0	0	0
Total	139737	173957	116124	140439	73024	165427	204871	286554	93831	40421
<b>H.R. COIL</b>										
Home	1055337	1107440	1352187	1530638	1787156	1823637	1929127	2088913	1916177	2009087
Export	225013	219053	270987	207019	17766	52216	51847	7213	20371	47933
Total	1280350	1326493	1623174	1737657	1804922	1875853	1980974	2096126	1936548	2057020
<b>H.R. PLATE</b>										
Home	411748	446212	388308	350492	437872	465931	477836	501922	458105	450254
Export	2543	10736	2858	5215	164	54	0	1270	497	1562
Total	414291	456948	391166	355707	438036	465985	477836	503192	458602	451816
<b>H.R. SHEET</b>										
Home	192112	263773	221229	170445	165699	185765	187474	176343	168889	160646
Export	2462	3772	483	2928	-	-	0	0	253	0
Total	194574	267545	221712	173373	165699	185765	187474	176343	169142	160646

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>INGOT STEEL</b>	0	0	2389	73440	64428	9144	457	0	0	0
<b>SLAB</b>										
Home	36640	97560	16867	64634	94211	103536	93741	27793	14301	0
Export	0	0	0	0	0	0	53312	0	0	0
Total	36640	97560	16867	64634	94211	103536	147053	27793	14301	0
<b>H.R. COIL</b>										
Home	2007721	2022293	2055779	2214184	2105866	1777836	1757806	1836370	1836310	1785404
Export	41942	41410	62584	65114	64760	35888	102846	121841	95153	181899
Total	2049663	2063703	2118363	2279298	2170626	1813724	1860652	1958211	1931463	1967303
<b>H.R. PLATE</b>										
Home	411716	386973	373467	374496	409460	335110	419870	343992	368604	338138
Export	2792	0	778	1897	2334	1543	4237	1769	4012	1530
Total	414508	386973	374245	376393	411794	336653	424107	345761	372616	339668
<b>H.R. SHEET</b>										
Home	148600	113376	92572	109019	126063	102105	95858	106382	98833	92960
Export	47	0	0	0	0	0	0	0	0	127
Total	148647	113376	92572	109019	126063	102105	95858	106382	98833	93087

**प्रारम्भ से प्रेषण  
DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
<b>C.R. COIL</b>								
Home	-	-	-	-	-	88379	138821	82400
Export	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	88379	138821	82400
<b>C.R. SHEET</b>								
Home	-	-	-	-	-	21303	79738	56595
Export	-	-	-	-	-	10299	30750	17376
Total	-	-	-	-	-	31602	110488	73971
<b>OTHERS</b>								
	-	-	-	-	-	1048	2953	3521
<b>TOTAL SALEABLE STEEL</b>								
Home	-	-	-	137807	751802	694302	878062	812936
Export	-	-	-	9977	23070	118743	36665	17376
Total	-	-	-	147784	774872	813045	914727	830312



**प्रारम्भ से प्रेषण  
DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
<b>C.R. COIL</b>										
Home	76854	168986	192321	176848	208103	189526	164710	232661	277263	342470
Export	-	-	-	10722	10327	-	-	-	-	-
Total	76854	168986	192321	187570	218430	189526	164710	232661	277263	342470
<b>C.R. SHEET</b>										
Home	55513	87036	95977	57918	76702	97820	87508	95750	148482	151512
Export	13114	-	-	5126	-	-	-	-	-	-
Total	68627	87036	95977	63044	76702	97820	87508	95750	148482	151512
<b>OTHERS</b>	11967	30504	27881	29397	54244	103603	139507	103800	78529	49192
<b>TOTAL SALEABLE STEEL</b>										
Home	789987	1424022	1488817	1245485	1385893	1683493	1690571	2002036	2282289	2290737
Export	13114	-	11473	31515	10327	-	-	-	-	-
Total	803101	1424022	1500290	1277000	1396220	1683493	1690571	2002036	2282289	2290737

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

<b>PARTICULARS</b>	<b>1990-91</b>	<b>1991-92</b>	<b>1992-93</b>	<b>1993-94</b>	<b>1994-95</b>	<b>1995-96</b>	<b>1996-97</b>	<b>1997-98</b>	<b>1998-99</b>	<b>1999-00</b>
<b>C.R. COIL</b>										
Home	377092	477525	487797	510429	619217	684205	707463	690087	631312	712251
Export	-	-	525	13977	31190	6185	1924	2780	2442	7630
Total	377092	477525	488322	524406	650407	690390	709387	692867	633754	719881
<b>C.R. SHEET</b>										
Home	166032	204206	184703	149932	112524	131980	119572	103278	110150	117390
Export	-	366	1738	8477	2399	3488	1189	3278	3294	2913
Total	166032	204572	186441	158409	114923	135468	120751	106556	113444	120303
<b>G.P. COIL</b>										
Home	-	-	7774	10834	8030	13634	17732	72965	75572	94466
Export	-	-	-	-	4339	2014	-	-	-	-
Total	-	-	7774	10834	12369	15648	17732	72965	75572	94466
<b>G.P. SHEET</b>										
Home	60997	77101	85783	100919	90284	102888	89309	71500	35009	25635
Export	-	-	-	-	-	-	1185	-	-	62
Total	60997	77101	85783	100919	90284	102888	90494	71500	35009	25697
<b>G.C. SHEET</b>										
Home	14268	32704	30618	44394	44602	52420	39441	35111	36156	30147
Export	-	-	10487	-	-	-	-	-	-	-
Total	14268	32704	41105	44394	44602	52420	39441	35111	36156	30147
<b>T. M. B. P.</b>										
	-	23339	42160	52602	26746	12134	5818	16342	15422	22635
<b>THICK PLATE</b>										
	57353	70725	82459	80209	71366	63453	63766	56364	53567	78748
<b>TOTAL SALEABLE STEEL</b>										
Home	2458688	2617997	2839361	3003023	2881720	3033139	2828972	2572997	2510150	2974270
Export	-	5699	24157	68689	90900	41796	10654	39569	32629	272830
Total	2458688	2623696	2863518	3071712	2972620	3074935	2839626	2612566	2542779	3247100

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>C.R. COIL</b>										
Home	731884	624964	626647	633670	662662	636369	643551	569245	464226	504630
Export	4310	3409	2609	5137	911	5013	2805	3663	687	4425
Total	736194	628373	629256	638807	663573	641382	646356	572908	464913	509055
<b>C.R. SHEET</b>										
Home	107079	101745	112105	112367	119628	118097	106066	74413	56052	49891
Export	3889	1455	5037	2913	-	-	0	0	0	0
Total	110963	103200	117142	115280	119628	118097	106066	74413	56052	49891
<b>G.P. COIL</b>										
Home	109845	126914	109901	147794	121843	116600	123378	73105	73783	79479
Export	5126	-	22863	733	-	-	0	0	0	0
Total	114971	126914	132764	148527	121843	116600	123378	73105	73783	79479
<b>G.P. SHEET</b>										
Home	30622	26637	16715	15823	23178	24790	33419	27091	19368	21566
Export	-	-	-	-	-	-	0	0	0	0
Total	30622	26637	16715	15823	23178	24790	33419	27091	19368	21566
<b>G.C. SHEET</b>										
Home	32036	25565	9156	14499	18233	19062	13272	15186	15659	12307
Export	-	-	-	-	-	-	0	0	1021	5381
Total	32036	25565	9156	14499	18233	19062	13272	15186	16680	17688
<b>T. M. B. P.</b>										
	36872	24184	32588	28476	17641	22194	9279	5436	6067	7812
<b>THICK PLATE</b>										
	88916	47326	53199	53661	47307	54325	67886	48361	41663	38302
<b>TOTAL SALEABLE STEEL</b>										
Home	2925441	2933675	3038159	3198304	3474243	3613068	3796159	3866569	3313820	3374395
Export	254090	273467	304837	223945	18841	76412	54652	12146	22829	59301
Total	3179531	3207142	3342996	3422249	3493084	3689480	3850811	3878715	3336649	3433696

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**STEEL PRODUCTS**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>C.R. COIL</b>										
Home	441268	365722	407917	409151	348405	347742	674101	885573	941441	889835
Export	6190	6520	3271	2430	569	0	4173	35089	18010	15141
Total	447458	372242	411188	411581	348974	347742	678274	920662	959451	904976
<b>C.R. SHEET</b>										
Home	51599	39976	28855	26716	22798	13608	15139	17990	16347	6261
Export	0	0	0	0	0	0	0	0	0	0
Total	51599	39976	28855	26716	22798	13608	15139	17990	16347	6261
<b>G.P. COIL</b>										
Home	74188	40443	55765	74208	68441	60650	87617	98770	116248	57535
Export	0	0	0	0	0	0	0	0	0	0
Total	74188	40443	55765	74208	68441	60650	87617	98770	116248	57535
<b>G.P. SHEET</b>										
Home	20553	13606	14897	17768	23317	19346	16581	12701	16996	8704
Export	0	0	0	0	0	0	0	0	0	0
Total	20553	13606	14897	17768	23317	19346	16581	12701	16996	8704
<b>G.C. SHEET</b>										
Home	7521	7813	7055	9535	5108	3557	4225	901	1173	1005
Export	3609	1439	0	0	0	49	0	0	0	0
Total	11130	9252	7055	9535	5108	3606	4225	901	1173	1005
<b>T. M. B. P.</b>										
	0	8783	4312	739	0	0	0	0	0	0
<b>THICK PLATE</b>										
	26039	24853	19909	23841	20043	18726	25672	17567	12090	10668
<b>TOTAL SALEABLE STEEL</b>										
Home	3225845	3121398	3079784	3397731	3288140	2791360	3191067	3348039	3422343	3190510
Export	54580	49369	66633	69441	67663	37480	164568	158699	117175	198697
Total	3280425	3170767	3146417	3467172	3355803	2828840	3355635	3506738	3539518	3389207

**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**PIG IRON, COKE & SCRAP**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
<b>PIG IRON</b>								
Home	157271	434758	490395	436080	308578	279772	536969	281035
Export	141333	193595	103479	185693	406838	224401	93301	-
Total	298604	628353	593874	621773	715416	504173	630270	281035
<b>COKE FRACTION</b>								
BF Coke	-	24179	260407	131467	6932	187816	155021	158415
Pearl Coke	1018	7937	7517	14464	88635	69726	59254	84614
Mixed Coke	-	-	1145	11375	24141	44912	42594	43861
ST Breeze Coke	-	-	-	399	-	-	-	-
<b>SCRAP</b>								
Iron	47	3006	1383	4949	8905	16124	43739	48752
Steel	-	-	-	-	-	-	-	14137

**प्राथमिक से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**PIG IRON, COKE & SCRAP**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
<b>PIG IRON</b>										
Home	695529	444819	386811	479898	443556	496756	632589	631755	348949	361763
Export	-	-	-	-	-	-	-	-	-	-
Total	695529	444819	386811	479898	443556	496756	632589	631755	348949	361763
<b>COKE FRACTION</b>										
BF Coke	22969	23460	103354	336791	247520	411912	332168	305840	148377	29228
Pearl Coke	59625	67987	83516	86179	120506	134844	104207	111876	97960	60678
Mixed Coke	41711	204950	198912	99697	13156	164253	445530	360773	347708	68221
ST Breeze Coke	-	-	4110	68083	26924	21001	17868	21975	23444	4785
<b>SCRAP</b>										
Iron	83555	78522	81761	113997	110104	142735	152851	157547	103266	32729
Steel	2269	-	24	-	5512	22661	12241	51902	119038	114833

**प्रारम्भ से प्रेषण  
DESPATCH SINCE INCEPTION**

**PIG IRON, COKE & SCRAP**

Unit - Tonne

Table No. 1.2(Contd.)

<b>PARTICULARS</b>	<b>1990-91</b>	<b>1991-92</b>	<b>1992-93</b>	<b>1993-94</b>	<b>1994-95</b>	<b>1995-96</b>	<b>1996-97</b>	<b>1997-98</b>	<b>1998-99</b>	<b>1999-00</b>
<b>PIG IRON</b>										
Home	335721	162323	118516	119445	270772	116560	203557	209641	365853	216767
Export	-	-	-	20908	-	-	-	133441	12727	40549
Total	335721	162323	118516	140353	270772	116560	203557	343082	378580	257316
<b>COKE FRACTION</b>										
BF Coke	-	-	-	-	-	-	-	51930	98991	20943
Pearl Coke	29862	44541	53684	52343	51730	71697	33356	2285	12337	9496
Mixed Coke	385505	295731	208796	190762	95489	253591	275265	80080	-	7933
ST Breeze Coke	17427	-	-	24630	6860	23441	27561	26376	4668	395
<b>SCRAP</b>										
Iron	37756	30228	34083	48699	61342	63186	65282	67926	79857	80673
Steel	123177	197900	208956	288107	269485	287365	359770	340495	327856	304823

**प्रारम्भ से प्रेषण  
DESPATCH SINCE INCEPTION**

**PIG IRON, COKE & SCRAP**

Unit - Tonne

Table No. 1.2(Contd.)

PARTICULARS	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>PIG IRON</b>										
Home	46073	182931	106747	58055	29228	119970	163654	45854	4837	30372
Export	-	-	-	-	-	-	-	-	-	-
Total	46073	182931	106747	58055	29228	119970	163654	45854	4837	30372
<b>COKE FRACTION</b>										
BF Coke	54812	2299	52722	55284	-	-	-	-	-	12458
Mixed Coke	38901	13991	69557	12339	-	-	-	-	-	-
ST Breeze Coke	36673	6444	-	9620	-	3513	-	-	-	-
<b>SCRAP</b>										
Iron	34346	18628	17324	9154	3665	5284	12682	24183	25242	1331
Steel	285038	31404	29519	89004	41995	31294	28036	20136	18441	22718



**प्रारम्भ से प्रेषण**  
**DESPATCH SINCE INCEPTION**

**PIG IRON, COKE & SCRAP**

Unit - Tonne

Table No. 1.2

PARTICULARS	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>PIG IRON</b>										
Home	74084	73771	75166	38727	33509	18862	39437	18459	76856	101505
Export	0	0	0	0	2772	21789	17881	0	2552	0
Total	74084	73771	75166	38727	36281	40651	57318	18459	79408	101505
<b>COKE FRACTION</b>										
BF Coke	-	-	-	-	-	33501	109608	9354	2549	2584
Mixed Coke	-	-	-	27631	6702	19773	35596	144316	13133	6594
ST Breeze Coke	-	-	32755	9277	988	935	650	849	1167	885
<b>SCRAP</b>										
Iron	4347	4786	7631	35277	32922	28612	24482	3042	31425	34075
Steel	18290	15126	4511	7163	2759	1767	6292	3986	9493	12041

प्रारम्भ से उपोत्पाद  
BY PRODUCTS SINCE INCEPTION

PRODUCTION & DESPATCH	Unit - Tonne							
	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
Table No. 1.3(Contd.)								
<b>PRODUCTION</b>								
Crude Tar	9631	26459	38704	38595	53741	66557	63501	67176
Amm. Sulphate	2406	8411	12650	13099	19730	17159	22399	24119
Sulphuric Acid	-	-	-	-	-	3254	23642	24827
Pressed Naphthalene	-	-	-	-	-	-	-	-
Crude Anthracene	-	-	-	-	-	-	-	-
Dehydrated Tar	-	-	-	-	-	672	783	792
Mould Coating Varnish	-	-	-	-	-	-	-	-
Pitch (Total)	-	-	-	-	-	-	-	-
Road Tar	-	-	-	-	-	-	-	-
Pitch Creosote Mixture	-	-	-	-	-	-	-	-
Pyridine Base	-	-	-	-	-	-	19	-
Soft Pitch	-	-	-	-	-	-	-	-
Crude Benzol (KL)	-	-	-	-	-	-	-	-
Benzene (KL)	-	-	-	-	-	-	-	-
Toulene (KL)	-	-	-	-	-	-	-	-
Granulated Slag	-	-	-	-	-	-	-	16887
Ferrous Sulphate	-	-	-	-	-	874	4861	2219
<b>DESPATCHES</b>								
Crude Tar	4138	24426	32595	17575	11488	17599	14405	4946
Amm. Sulphate	2385	8370	12241	13711	20196	17307	22675	24288
Sulphuric Acid	-	-	-	-	-	-	718	270
Pressed Naphthalene	-	-	-	-	-	-	-	-
Soft Pitch	-	-	-	-	-	-	-	-
Pyridine Base	-	-	-	-	-	-	-	-
Granulated Slag	-	-	-	-	-	-	-	627
Ferrous Sulphate	-	-	-	-	-	165	3914	3371

**प्रारम्भ से उपोत्पाद  
BY PRODUCTS SINCE INCEPTION**

**PRODUCTION & DESPATCH**

Unit - Tonne

Table No. 1.3(Contd.)

PARTICULARS	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
<b>PRODUCTION</b>										
Crude Tar	67859	79247	87170	90315	85889	90110	94917	102391	95134	86758
Amm. Sulphate	21676	24898	23162	25643	28604	28131	22025	25560	28621	27230
Sulphuric Acid	20807	23422	20911	25353	27551	26836	23136	25857	31023	33204
Pressed Naphthalene	970	449	256	450	1232	1042	119	1278	2631	1302
Dehydrated Tar	594	1170	1280	1553	1620	1476	1338	1596	1080	972
Mould Coating Varnish	200	115	58	116	75	110	65	35	240	380
Pitch (Total)	17109	8737	6010	10396	26996	28626	36631	32802	53407	29461
Road Tar	661	302	-	-	22	-	160	1329	3175	595
Pitch Creosote Mixture	16848	7288	5682	11141	33749	36810	45435	39540	63549	35391
Extra Hard Pitch	-	-	-	-	965	1710	2475	2110	2850	2945
Soft Pitch	-	-	2402	2647	112	245	1020	755	1300	1260
Crude Benzol (KL)	-	-	-	-	-	-	-	1765	4160	7284
Benzene (KL)	-	-	-	-	-	-	-	-	2336	6101
Toulene (KL)	-	-	-	-	-	-	-	-	-	675
Xylene (KL)	-	-	-	-	-	-	-	-	-	-
S.B. Oil	-	-	-	-	-	-	-	-	155	381
Granulated Slag	59935	38668	239884	373484	374150	273710	309085	363100	361592	305474
Ferrous Sulphate	2410	6135	6916	4670	4284	5713	4116	3841	7023	9143
<b>DESPATCHES</b>										
Crude Tar	14496	116	23	1002	6681	8255	19246	26522	4071	2
Amm. Sulphate	21911	24322	22507	27219	27313	29674	16457	25021	28751	30843
Sulphuric Acid	1701	20	-	12	-	-	-	-	447	45
Pressed Naphthalene	947	458	251	463	1070	1144	1154	1257	2556	1416
Soft Pitch	5033	3533	2601	484	262	2289	2233	833	1315	1276
Pyridine Base	3	0.2	2.63	-	4	-	0.8	-	-	0.189
Extra Hard Pitch	-	-	-	-	-	-	312	168	683	421
Benzene (KL)	-	-	-	-	-	-	-	-	-	7002
Toulene (KL)	-	-	-	-	-	-	-	-	-	534
Xylene (KL)	-	-	-	-	-	-	-	-	-	-
S.B. Oil	-	-	-	-	-	-	-	-	-	412
Granulated Slag	45862	43194	267380	353952	356474	282658	323181	373149	346556	245017
Ferrous Sulphate	801	3105	3530	4183	3577	3932	4626	2768	5410	10122

**प्रारम्भ से उत्पाद  
BY PRODUCTS SINCE INCEPTION**

PRODUCTION & DESPATCH	Unit - Tonne									
	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
Table No. 1.3(Contd.)										
<b>PARTICULARS</b>										
<b>PRODUCTION</b>										
Crude Tar	88202	93930	94916	79627	76930	76324	86111	101486	89548	103679
Amm. Sulphate	24273	26477	30640	23586	22700	26390	25298	29590	30407	33561
Sulphuric Acid	27061	32074	34660	30397	30410	33944	33640	35306	35134	40884
Pressed Naphthalene	2081	2045	2558	2787	3681	3800	4190	3295	3688	4150
Dehydrated Tar	522	396	180	288	270	90	180	270	342	216
Mould Coating Varnish	280	-	-	-	-	-	-	44352	47594	48947
Pitch (Total)	40471	47586	51534	50076	57091	50544	55805	-	-	199
Road Tar								64380	66410	68940
Pitch Creosote Mixture	51630	56780	70350	72450	75509	72000	80031	1140	3330	8470
Extra Hard Pitch	3000	5815	4210	1925	3405	3670	3870	1100	2625	535
Soft Pitch	2150	2700	1250	577	700	255	-	-	820	2170
Crude Benzol(KL)	10344	10031	11490	17624	19633	19415	12159	15150	16381	27010
Benzene (KL)	7100	6255	7440	12885	14060	13500	7835	9095	10089	16519
Toulene (KL)	641	730	980	1440	1730	1746	1380	1638	2535	3566
Xylene (KL)	55	30	120	265	182	130	20	26	-	-
S.B. Oil	770	645	920	1135	895	1065	885	1015	1280	1397
L.S. Naphtha	-	-	-	120	136	301	327	340	1297	1276
Granulated Slag(SGP)	204281	140880	170080	204424	205408	224749	275539	322383	374803	438070
Granulated Slag (CH)	-	-	-	-	-	6323	186487	-	-	-
Ferrous Sulphate	10330	12491	10349	9305	8981	10568	11820	13531	11676	12080
<b>DESPATCHES</b>										
Crude Tar	511	1115	1044	1185	258	-	-	10535	-	632
Amm. Sulphate	26056	26652	29745	23260	21072	25894	25999	30163	28518	34211
Sulphuric Acid	-	-	-	-	1190	2934	1497	-	541	2279
Pressed Naphthalene	2076	2036	2579	2883	3675	3807	4169	3310	3691	4131
Soft Pitch	2040	2501	1343	755	769	253	-	822	2903	534
Hard Medium Pitch	-	-	-	-	-	-	-	-	805	2161
Pyridine Base	-	-	-	-	-	-	-	850	3406	8554
Extra Hard Pitch	1283	4443	3892	1822	3199	3460	3419	8903	10241	16569
Benzene (KL)	7092	6034	7041	13277	13731	14047	7528	1545	2629	3584
Toulene (KL)	755	705	1000	1412	1733	1769	1356	35	-	-
Xylene (KL)	34	24	107	259	175	125	36	974	1145	1457
S.B. Oil	519	526	468	962	870	1084	887	285	1298	1343
L.S. Naphtha	-	-	-	105	133	276	344	-	-	-
Granulated Slag(SGP)	216068	129671	166493	177856	201033	259231	262600	337901	377557	421392
Granulated Slag(CH)	-	-	-	-	-	3720	179446	4869	-	-
Ferrous Sulphate	9073	10280	9747	13705	9429	10779	12186	10752	15319	11123

**प्रारम्भ से उत्पाद  
BY PRODUCTS SINCE INCEPTION**

PRODUCTION & DESPATCH	Unit - Tonne									
	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>PRODUCTION</b>										
Crude Tar	106197	103417	109343	110261	103676	109308	106764	107040	102640	101340
Amm. Sulphate	31858	30091	27210	30204	27920	32858	31530	33585	28370	27870
Sulphuric Acid	36508	41000	35506	39276	39221	40078	36839	34352	30100	26282
Pressed Naphthalene	3990	3629	3940	3962	3645	2710	3213	3225	3235	1187
Dehydrated Tar	180	54	18	18	-	-	-	-	-	-
Pitch (Total)	48867	45080	47982	47837	44997	33498	38259	36919	37904	13923
Road Tar	370	262	688	1149	2810	3010	1410	568	405	335
Pitch Creosote Mixture	71554	60480	74680	71015	59240	44369	55350	54765	55125	19395
Extra Hard Pitch	4356	5575	670	1830	1735	1705	2505	1420	1625	1725
Soft Pitch	-	1085	-	-	-	-	-	-	-	-
Hard medium Pitch	1770	1380	1405	4615	6460	2910	1840	3370	3545	380
Crude Benzol*	24126	24020	18736	10720	8579	9736	5310	10245	10840	7210
Benzene *	14876	14123	9346	5110	4140	4873	2653	4576	6329	1760
Toulene *	3141	3314	2351	1565	1367	1123	562	1018	1270	293
Xylene	-	-	-	-	-	-	-	-	-	-
S.B. Oil	1259	1363	1480	700	801	1035	608	985	702	145
L.S. Naphtha*	1071	1205	882	585	601	374	202	380	503	110
Granulated Slag (SGP)	576270	602010	435981	217632	240546	388875	377210	297097	265496	248500
Granulated Slag (CH)	-	-	239146	339670	255650	343890	334261	494400	490550	570880
Ferrous Sulphate	13623	6984	12197	5713	4193	5301	5674	4073	3091	4394
<b>DESPATCH</b>										
Crude Tar	176	27	-	-	-	-	-	-	-	-
Amm. Sulphate	30874	32823	27248	29493	24731	30218	34714	32984	28847	27887
Sulphuric Acid	-	403	-	-	-	500	0	162	331	0
Pressed Naphthalene	3995	3377	4044	4110	3294	2967	2995	3313	3389	1236
Soft Pitch	-	1077	-	-	-	-	-	-	-	-
Hard Medium Pitch	1617	1449	1181	4523	5885	3594	1834	3350	3496	431
Extra Hard Pitch	4232	4205	1765	1797	1606	1644	2219	1327	1592	1585
Crude Benzol	0	0	0	0	0	0	0	0	0	1921
Benzene *	15248	14037	9433	4492	4693	4963	2180	4222	6577	2245
Toulene *	3154	3298	2363	1521	1422	1117	546	891	1206	512
Xylene*	-	-	-	-	-	-	-	-	-	-
S.B. Oil	1087	1292	1488	693	804	983	612	728	635	166
L.S. Naphtha *	1072	1189	897	506	652	401	185	327	558	131
Anthracene oil	-	2912	934	1177	2061	2536	2946	2785	1779	965
Granulated Slag (SGP)	577624	607685	391282	251212	281890	349921	397475	301142	287689	229614
Granulated Slag (CH)	-	-	236564	281209	275305	374430	333025	445023	473029	578903
Ferrous Sulphate	10231	8344	10147	9932	3845	1418	6426	8268	2407	3267

\* UPTO 2005-06 IN KL

Page No. 29

**प्राश्नन नु उडुतुतुतुतु**  
**BY PRODUCTS SINCE INCEPTION**

<b>PRODUCTION &amp; DESPATCH</b>		<b>Unit - Tonne</b>									Table No. 1.3
<b>PARTICULARS</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	
<b>PRODUCTION</b>											
Crude Tar	97260	80770	78310	70870	92870	96570	85200	95000	102370	108766	
Amm. Sulphate	22700	15280	21380	14830	24250	29000	25650	27930	27250	32200	
Sulphuric Acid	19500	10746	15900	8010	7370	11800	9545	19060	19080	22200	
Pressed Naphthalene	1250	585	425	870	1380	1550	1960	2240	1975	1650	
Pitch (Total)	14925	7916	10689	10110	15618	17260	21575	25619	22578	18881	
Road Tar	120	430	310	335	270	800	450	320	110	0	
Pitch Creosote Mixture	20900	11080	16107	15495	25174	26800	34000	38795	34295	28210	
Extra Hard Pitch	1950	925	1190	1025	1200	2100	2500	2550	2175	2125	
Hard medium Pitch	200	0	0	0	0	350	1350	1600	1225	1250	
Crude Benzol	7570	3370	5880	3680	3590	1600	3450	4120	6710	5400	
Granulated Slag (SGP)	219288	265776	210660	294615	231782	236844	209268	180246	119002	72293	
Granulated Slag (CH)	474470	326585	450045	621093	501137	511992	560159	812939	1055425	996264	
Ferrous Sulphate	4906	4875	5676	4265	3533	863	0	0	0	0	
<b>DESPATCH</b>											
Amm. Sulphate	24994	14550	21464	14119	24026	29451	26088	26445	25900	31589	
Pressed Naphthalene	958	907	406	816	1408	1531	1935	2185	2068	1560	
Hard Medium Pitch	177	50	0	0	0	171	1414	1646	1182	1226	
Extra Hard Pitch	1790	978	1034	881	1167	1942	2371	2485	2128	1847	
Crude Benzol	8081	3785	6128	3226	3370	1787	3539	3811	6348	5476	
Crude Tar	0	0	0	0	97	22137	7545	4457	12914	20925	
Granulated Slag	669598	554237	711032	837863	594952	812328	775121	980569	1112105	1118294	
Ferrous Sulphate	6727	4241	5527	3955	4869	1024	0	0	0	0	

प्रारम्भ से उत्पादों की लब्धि  
YIELD OF PRODUCTS SINCE INCEPTION

Table No. 1.4 (Contd.)

PARTICULARS	UNIT	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
<b>COKE OVENS &amp; BY PRODUCT PLANT</b>														
BF coke from dry coal charged	%	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
Gross coke from dry coal charged	"	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
BF Coke from Gross Coke	"	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
Amm. Sulphate from dry coal charged	Kg/t	6.9	9.3	9.7	9.4	9.9	8.2	9.1	9.4	8.7	8.2	6.9	7.3	8.4
Crude tar from dry coal charged	Kg/t	27.4	29.2	30.4	27.7	26.9	26.3	25.8	26.2	27.2	26.0	26.0	25.8	25.2
Crude Benzol from dry coal charged	Ltr./t	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>SINTERING PLANT</b>														
Gross Sinter from total input (Wet)	%	-	55.7	51.3	51.7	50.8	48.5	46.0	49.3	51.1	51.5	47.9	48.1	45.9
<b>BLAST FURNACE</b>														
Cold Pig from PCM pouring	Kg/t	925	925	925	945	950	950	945	947	949	930	930	930	930
Slag from Hot Metal	"	569	560	572	558	527	546	520	566	608	575	583	556	531
<b>STEEL MELTING SHOP</b>														
Net Steel from Gross steel	%	-	87.2	93.1	95.1	95.7	93.7	94.7	96.6	97.9	98.0	97.7	96.7	96.6
Net Steel from Metallic Charge	"	-	74.8	80.9	84.4	83.8	80.1	82.9	85.6	86.9	87.7	87.0	85.6	86.7
<b>ROLLING MILLS</b>														
Slab from ingot	%	-	-	92.6	86.4	85.1	84.7	83.4	84.0	84.7	84.4	83.9	81.6	81.8
HR Coil/Thick Plate from Slab	"	-	-	-	95.9	96.4	96.7	96.7	96.6	96.6	97.2	97.0	96.7	96.8
HR Plate/Sheet from HR Coil	"	-	-	-	93.1	95.0	96.7	97.3	96.9	96.1	96.1	96.2	96.3	96.8
HR Slit Coil from HR Coil	"	-	-	-	-	87.5	92.5	96.3	-	95.0	95.2	-	-	-
CR Coil from HR Coil	"	-	-	-	-	-	92.9	94.6	94.8	94.2	93.1	93.1	92.7	93.2
CR Sheet from CR Coil	"	-	-	-	-	-	96.8	97.7	97.4	98.0	97.6	97.5	97.4	97.7
CR Slit Coil from CR Coil	"	-	-	-	-	-	-	97.8	95.7	-	99.6	-	94.9	98.9
Galvanised Coil from HR Coil	"	-	-	-	-	-	-	-	-	-	-	-	-	-
Saleable Steel from Crude Steel	"	-	-	-	83.3	80.6	80.4	78.5	79.1	80.1	79.8	79.0	76.6	77.4
<b>REFRACTORY MATERIAL PLANT</b>														
Calcined Lime (+10mm) from Total L/S Charged	%	-	27.8	30.9	33.5	35.7	35.8	35.9	36.2	36.0	36.0	36.1	36.0	36.0
Sintered Dolomite from Dolomite charged	"	-	23.7	32.0	32.7	33.5	33.4	33.0	30.0	33.0	33.0	33.0	33.2	33.3

**प्रारम्भ से उत्पाद की लब्धि**  
**YIELD OF PRODUCTS SINCE INCEPTION**

Table No. 1.4 (Contd.)

<b>PARTICULARS</b>	<b>UNIT</b>	<b>1985-86</b>	<b>1986-87</b>	<b>1987-88</b>	<b>1988-89</b>	<b>1989-90</b>	<b>1990-91</b>	<b>1991-92</b>	<b>1992-93</b>	<b>1993-94</b>	<b>1994-95</b>	<b>1995-96</b>	<b>1996-97</b>
<b>COKE OVENS &amp; BY PRODUCT PLANT</b>													
BF coke from dry coal charged	%	67.1	67.1	67.1	65.5	67.0	65.0	66.1	67.3	65.8	66.2	66.5	67.0
Gross coke from dry coal charged	"	77.0	77.0	77.0	77.9	80.2	78.0	77.1	77.0	76.7	76.9	77.0	77.0
BF Coke from Gross Coke	"	87.2	87.0	87.0	84.0	83.5	83.4	85.7	87.4	85.8	86.1	86.4	87.0
Amm. Sulphate from dry coal charged	Kg/t	7.7	6.0	6.4	7.3	7.8	7.2	7.1	8.0	6.6	7.2	8.0	7.0
Crude tar from dry coal charged	Kg/t	24.5	25.7	25.8	26.6	24.9	26.1	25.4	24.9	22.3	24.4	23.2	23.7
Crude Benzol from dry coal charged	Ltr./t	-	-	-	-	-	-	-	-	-	-	-	-
<b>SINTERING PLANT</b>													
Gross Sinter from total input (Wet)	%	51.5	52.7	54.4	52.3	53.6	55.3	55.0	55.9	54.1	65.8	65.6	66.7
<b>BLAST FURNACE</b>													
Cold Pig from PCM pouring	Kg/t	930	930	930	930	930	930	930	930	930	930	930	930
Slag from Hot Metal	"	506	497	476	476	438	431	427	439	426	412	425	401
<b>STEEL MELTING SHOP</b>													
Net Steel from Gross steel	%	96.8	96.7	97.4	98.5	98.3	97.9	98.0	98.2	98.4	97.0	97.7	97.7
Net Steel from Metallic Charge	"	87.2	84.7	87.5	88.5	87.7	87.3	87.8	87.8	88.5	88.3	88.5	88.7
<b>ROLLING MILLS</b>													
Slab from ingot	%	84.3	84.8	83.6	85.2	85.6	85.6	85.9	86.3	86.5	87.3	87.5	87.5
HR Coil/Thick Plate from Slab	"	96.9	97.0	96.9	96.9	96.8	96.9	96.9	96.9	97.1	97.2	97.2	97.1
HR Plate/Sheet from HR Coil	"	96.2	96.2	95.9	95.6	95.5	96.1	96.5	96.9	95.7	95.7	96.1	95.5
CR Coil from HR Coil	"	94.7	91.4	92.6	91.6	89.9	90.2	88.5	88.1	87.5	86.6	89.7	85.9
CR Sheet from CR Coil	"	98.4	98.3	97.8	97.3	96.5	95.7	96.9	96.2	96.3	94.8	96.3	96.4
CR Slit Coil from CR Coil	"	-	-	91.6	-	-	-	-	-	-	91.2	94.5	92.9
Galvanised Coil from HR Coil	"	-	-	-	-	-	84.3	81.8	84.3	83.5	86.0	85.3	86.0
Saleable Steel from Crude Steel	"	80.0	81.3	79.1	80.1	79.7	79.8	78.7	79.7	79.8	80.1	81.1	79.7
<b>REFRACTORY MATERIAL PLANT</b>													
Calcined Lime (+10mm) from Total L/S Charged	%	36.0	37.2	41.6	43.6	43.8	43.7	43.7	45.5	48.0	48.2	45.7	47.8
Sintered Dolomite from Dolomite charged	"	33.2	33.2	33.3	33.2	32.9	32.8	32.9	35.9	35.8	35.8	35.7	35.9



**प्रारम्भ से उत्पादों की लब्धि**  
**YIELD OF PRODUCTS SINCE INCEPTION**

Table No. 1.4 (Contd.)

<b>PARTICULARS</b>	<b>UNIT</b>	<b>1997-98</b>	<b>1998-99</b>	<b>1999-00</b>	<b>2000-01</b>	<b>2001-02</b>	<b>2002-03</b>	<b>2003-04</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>
<b>COKE OVENS &amp; BY PRODUCT PLANT</b>												
BF coke from dry coal charged	%	68.8	69.35	69.35	69.35	69.35	69.35	69.35	69.15	67.74	67.29	68.25
Gross coke from dry coal charged	"	77.0	77.3	77.5	77.5	77.5	77.5	77.5	77.18	74.71	73.90	74.77
BF Coke from Gross Coke	"	89.3	89.7	89.6	89.5	89.5	89.5	89.5	89.60	90.66	91.06	91.29
Amm. Sulphate from dry coal charged	Kg/t	8.2	9.0	9.7	9.0	10.32	10.3	10.40	10.45	10.45	10.45	10.50
Crude tar from dry coal charged	Kg/t	28.0	26.4	30.1	30.1	30.2	30.4	30.6	30.60	30.67	30.73	30.80
Crude Benzol from dry coal charged	lit/t	-	-	-	-	8.0	8.0	7.8	7.8	7.8	6.9	6.86
<b>SINTERING PLANT</b>												
Gross Sinter from total input (Wet)	%	68.4	69.7	71.8	70.4	71.9	73.5	73.3	71.9	69.4	68.7	67.0
<b>BLAST FURNACE</b>												
Cold Pig from PCM pouring	Kg/t	930	930	930	930	930	930	930	930	930	930	930
Slag from Hot Metal	"	363	365	376	381	382	395	408	385	379	380	376
<b>STEEL MELTING SHOP</b>												
Net Steel from Gross steel	%	97.3	96.9	97.4	97.5	97.9	97.9	98.3	98.5	98.4	98.3	98.5
Crude Steel from Metallic Charge	"	88.8	88.1	88.2	88.3	88.2	88.5	89.3	89.8	89.7	89.8	89.8
<b>ROLLING MILLS</b>												
Slab from Ingot	%	88.5	90.6	88.5	87.4	87.5	87.5	87.0	87.0	87.0	87.0	87.0
HR Coil/Thick Plate from Slab	"	97.3	97.0	96.8	96.7	96.2	95.6	95.1	96.2	96.0	96.2	96.3
HR Plate/Sheet from HR Coil	"	95.4	94.7	95.9	96.8	97.0	97.6	98.0	98.1	98.1	98.1	98.1
CR Coil from HR Coil(CRM I/II)	"	86.2	90.1	90.6	91.3	92.0	92.2	92.3	92.5	92.8	93.5	93.4
CR Sheet from CR Coil	"	95.7	96.4	95.9	96.8	96.7	95.4	96.6	94.6	93.2	93.3	92.6
CR Slit Coil from CR Coil	"	94.1	92.7	91.5	91.7	89.0	88.2	88.9	88.9	88.8	90.7	90.0
Galvanised Coil from HR Coil	"	86.5	88.8	90.7	91.0	91.1	89.2	91.7	92.0	86.9	90.4	87.4
Saleable Steel from Crude Steel	"	80.5	83.8	86.7	87.6	88.0	87.5	87.8	89.2	88.3	87.3	88.3
<b>REFRACTORY MATERIAL PLANT</b>												
Calcined Lime (+10mm) from Total L/S Charged	%	52.0	47.3	46.8	47.6	46.7	51.1	48.7	47.4	46.4	45.7	46.1
Sintered Dolomite from Dolomite charged	"	35.7	35.3	35.7	35.6	35.7	35.7	35.6	35.3		-	-

**प्रारम्भ से उत्पादों की लब्धि**  
**YIELD OF PRODUCTS SINCE INCEPTION**

Table No.1.4

<b>PARTICULARS</b>	<b>UNIT</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>
<b>COKE OVENS &amp; BY PRODUCT PLANT</b>													
BF coke from dry coal charged	%	67.75	67.50	67.87	68.00	68.00	68.00	68.34	68.50	68.76	69.00	69.00	69.00
Gross coke from dry coal charged	"	74.12	74.00	74.00	74.00	74.00	74.00	74.09	74.00	74.00	74.63	75.00	75.00
BF Coke from Gross Coke	"	91.41	91.22	91.72	91.89	91.89	91.89	92.24	92.57	92.92	92.46	92.00	92.00
Amm. Sulphate from dry coal charged	Kg/t	10.50	10.50	10.50	10.00	9.40	9.17	9.56	9.90	8.86	8.69	8.14	9.43
Crude tar from dry coal charged	Kg/t	30.80	30.80	29.84	26.81	28.14	28.45	29.50	29.56	29.42	29.57	30.56	31.86
Crude Benzol from dry coal charged	Kg/t	6.86	6.86	6.86	6.00	6.00	6.00	6.00	6.00	2.38	2.56	4.01	3.16
<b>SINTERING PLANT</b>													
Gross Sinter from total input (Wet)	%	65.6	67.2	65.2	68.3	71.1	70.1	71.7	72.2	74.9	75.9	74.3	72.7
<b>BLAST FURNACE</b>													
Cold Pig from PCM pouring	Kg/t	930	930	930	930	930	930	930	930	930	930	930	930
Slag from Hot Metal	"	377	381	388	381	384	395	379	379	377	380	377	391
<b>STEEL MELTING SHOP</b>													
Net Steel from Gross steel	%	98.5	97.5	97.6	97.9	97.6	98.0	97.9	97.8	98.1	97.5	98.2	98.2
Crude Steel from Metallic Charge	"	89.5	89.0	88.6	87.7	88.3	88.8	89.0	88.9	88.8	88.9	88.9	88.8
<b>ROLLING MILLS</b>													
Slab from Ingot	%	87.0	87.0	87.0	87.1	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3
HR Coil/Thick Plate from Slab	"	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6
HR Plate/Sheet from HR Coil	"	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
CR Coil from HR Coil(CRM I/II)	"	93.3	93.2	93.5	93.5	93.4	93.5	93.5	93.4	89.7	89.5	89.3	88.6
CR Sheet from CR Coil	"	92.1	91.9	91.5	91.4	90.8	90.3	90.5	90.6	88.7	88.9	89.3	90.3
CR Slit Coil from CR Coil	"	90.2	90.4	90.8	90.8	90.5	90.4	90.4	90.3	88.0	88.8	88.6	88.8
Galvanised Coil from HR Coil	"	91.9	91.0	92.1	91.7	92.1	91.8	91.8	90.4	87.3	86.7	85.7	83.7
Saleable Steel from Crude Steel	"	89.1	89.6	91.2	92.5	91.7	91.0	90.4	92.1	92.5	92.6	92.6	92.8
<b>REFRACTORY MATERIAL PLANT</b>													
Calcined Lime (+10mm) from Total L/S Charged	%	47.9	49.2	47.0	47.0	47.0	47.0	47.0	46.9	46.8	46.8	46.8	46.8

પ્રારંભ સે સ્વપત દર  
CONSUMPTION RATE SINCE INCEPTION

PARTICULARS	Unit-kg												
	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
<b>COKE OVENS</b>													
Coal(dry) per tonne of BF Coke	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489	1489
<b>SINTERING PLANT</b>													
I.O.(Fines) per tonne of Skip Sinter	916	910	936	950	934	962	991	937	948	932	953	925	976
Lime Stone " "	386	360	310	278	212	205	225	180	156	187	178	174	201
Dolomite " "	-	-	34	20	114	168	148	144	166	159	140	154	157
Coke breeze " "	116	107	116	110	101	118	101	99	103	95	100	102	101
Mill scale " "	-	-	-	2	18	19	14	11	1	8	18	13	11
Sinter Return " "		519	714	705	684	789	822	777	711	696	840	880	943
Flue Dust " "	8	13	11	15	29	19	15	29	33	28	37	28	25
Lime Dust " "	-	1	4	6	8	8	7	7	8	7	5	5	5
Sand " "	-	-	36	44	59	44	30	36	28	23	21	9	-
Others " "	51*	49*	12*	3	15	6	-	-	1	1	3	-	-
<b>BLAST FURNACE</b>													
I.O.(Lump) per tonne of HM	478	351	333	316	472	449	552	745	643	615	615	585	596
Sinter "	1210	1328	1351	1328	1079	1059	970	856	948	1079	1067	1050	1024
Coke(dry) "	710	688	752	698	700	693	693	756	777	759	752	731	709
Limestone "	124	75	48	33	52	64	108	195	174	125	126	102	66
Quartzite "	14	2	2	1	5	5	6	11	14	8	10	5	6
Mn. Ore "	43	43	44	41	45	48	55	56	51	40	51	40	39
<b>STEEL MELTING SHOP</b>													
Hot Metal per tonne of Crude Steel	-	1197	1035	976	963	998	969	920	917	915	918	941	937
Scrap "	-	116	184	194	220	240	226	238	220	212	220	214	217
Iron Ore "	-	23.0	12.0	9.0	3.0	1.0	-	-	-	-	-	-	-
Lime "	-	160	133	130	118	126	124	121	126	125	127	127	129
Bauxite "	-	18.0	12.0	12.0	8.0	7.0	4.0	4.4	5.4	1.4	1.8	0.8	0.8
Limestone "	-	0.60	1.30	4.70	6.00	4.70	2.40	4.60	6.90	6.50	5.30	5.00	4.00
Fe-Mn "	-	9.5	8.9	7.8	7.9	8.1	8.0	8.2	8.7	8.3	8.4	7.9	7.8
Fe-Si "	-	1.5	1.5	1.4	1.4	1.9	1.5	1.5	1.1	1.4	1.4	1.4	1.4
Coke "	-	0.60	0.50	0.50	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

\* Quartzite

**प्रारम्भ से खपत दर**  
**CONSUMPTION RATE SINCE INCEPTION**

Unit-kg

Table No. 1.5 (Contd.)

PARTICULARS	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
<b>COKE OVENS</b>												
Coal(dry) per tonne of BF Coke	1489	1489	1489	1527	1493	1538	1513	1486	1520	1510	1502	1493
<b>SINTERING PLANT</b>												
I.O.(Fines) per tonne of Skip Sinter	917	853	913	954	940	940	935	961	954	964	951	960
Lime Stone	190	167	165	240	240	218	196	200	174	150	145	120
Dolomite	149	122	122	125	125	113	111	100	112	107	154	179
Coke breeze	98	85	80	80	80	80	76	75	73	68	74	71
Mill scale	12	13	14	16	14	18	34	40	23	20	23	20
Sinter Return	770	847	722	686	657	616	638	589	385	367	335	300
Flue Dust	19	19	23	11	9	13	13	6	6	7	7	10
Lime Dust	4	2	4	14	8	10	16	17	6	5	6	7
Sand	-	-	-	-	-	-	-	-	-	-	-	-
<b>BLAST FURNACE</b>												
I.O.(Lump) per tonne of HM	631	645	638	644	636	531	428	426	373	423	399	417
Sinter	1112	1068	1032	1020	1044	1146	1180	1207	1254	1201	1212	1178
Coke(dry)	728	706	679	666	664	708	660	663	640	617	650	598
Limestone	25	43	31	25	23	14	15	14	8	2	0.5	0.7
Quartzite	6	3	-	-	-	1	-	-	1	-	-	0.1
Mn. Ore	40	40	43	49	52	48	46	51	58	58	65	61
<b>STEEL MELTING SHOP</b>												
Hot Metal per tonne of Crude Steel	935	955	936	951	960	960	936	939	954	971	966	979
Scrap	212	189	207	179	180	185	203	200	176	162	164	149
Iron Ore	-	-	-	-	-	-	-	-	-	-	0.7	4.0
Lime	127	121	118	98	99	109	108	103	92	87	76	76
Bauxite	0.6	1.0	0.5	1.4	1.8	2.0	3.0	3.0	3.0	3.0	3.0	3.0
Limestone	2.80	2.00	1.20	0.60	0.20	1.00	1.10	0.30	0.40	-	-	0.30
Fe-Mn	8.2	8.3	7.9	7.6	8.8	8.9	9.5	8.7	8.8	8.2	8.4	8.5
Fe-Si	1.2	1.3	1.6	1.2	1.4	1.6	1.5	1.4	1.3	1.3	1.3	1.3
Coke	0.10	0.10	0.10	0.06	0.02	0.21	0.08	0.80	1.20	0.30	0.01	0.01

**प्रारम्भ से खपत दर**  
**CONSUMPTION RATE SINCE INCEPTION**

Unit-kg

Table No. 1.5 (Contd.)

PARTICULARS	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
<b>COKE OVENS</b>											
Coal(dry) per tonne of BF Coke	1454	1441	1441	1442	1442	1442	1442	1446	1476	1486	1465
<b>SINTERING PLANT</b>											
I.O.(Fines) per tonne of Skip Sinter	905	883	882	884	910	905	901	880	920	837	862
Lime Stone "	106	105	106	104	108	111	115	114	112	97	92
Dolomite "	162	153	151	164	127	134	141	133	119	111	106
Coke Breeze "	74	70	74	73	76	71	74	79	77	68	72
Mill scale "	24	22	21	25	18	15	13	13	13	13	14
Sinter Return "	339	341	290	302	265	237	237	295	323	295	315
Flue Dust "	15	13	11	12	13	10	12	12	16	11	8
Lime Dust "	8	7	5	5	4	4	4	3	5	4	5
LD SLAG "	-	3	8	9	24	24	18	18	16	18	18
<b>BLAST FURNACE</b>											
I.O.(Lump) per tonne of HM	430	441	459	495	532	533	541	511	497	525	513
Sinter "	1167	1161	1157	1159	1129	1143	1143	1133	1132	1109	1071
Coke(dry) "	575	562	548	552	549	536	541	531	523	520	512
Nut Coke "										23	22
CDI (Dry) "										9	12
Limestone "	0.3	-	-	-	-	-	-	-	-	-	-
Quartzite "	0.2	-	-	-	-	1	2	0.1	0.2	0.4	0.3
Mn. Ore "	41	34	28	30	21	1	0	0	0	-	-
LD SLAG "	-	-	-	-	17	5	6	4	2	4.5	5.5
<b>STEEL MELTING SHOP &amp; CCS</b>											
Hot Metal per tonne of Crude Steel	982	1007	1018	998	991	1005	1000	989	1010	1016	1012
Scrap "	145	128	116	135	142	125	120	125	104	98	102
Iron Ore "	6.0	4.8	4.8	6.6	10.4	10.4	0.6	-	-	0.4	0.7
Lime "	63	62	62	40	43	44	67	73	78	80	78
Bauxite "	4.0	3.0	5.0	3.0	3.3	4.1	-	-	-	-	-
Limestone "	-	0.04	0.05	2.80	3.70	2.3	7.1	3.7	2.9	5.2	5.8
Fe-Mn "	7.2	7.9	4.6	4.0	4.3	3.9	3.8	3.25	3.9	4.3	4.3
Fe-Si "	1.6	0.5	0.5	0.4	0.4	0.5	0.5	0.3	0.4	0.4	0.5
Coke/ Petro Coke "	-	0.06	0.10	0.03	0.10	0.1	0.3	0.3	0.1	0.1	0.3

**प्रारम्भ से खपत दर**  
**CONSUMPTION RATE SINCE INCEPTION**

Unit-kg

Table No. 1.5

PARTICULARS	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>COKE OVENS</b>												
Coal(dry) per tonne of BF Coke	1476	1481	1473	1471	1471	1471	1463	1460	1454	1449	1449	1449
<b>SINTERING PLANT</b>												
I.O.(Fines) per tonne of Gross Sinter	868	795	826	678	715	762	774	770	750	742	749	735
Lime Stone "	99	90	102	108	84	109	57	76*	82	92	99	123
Dolomite "	105	114	119	110	101	137	149	119	83	85	96	110
Coke Breeze "	71	69	67	64	68	67	68	67	67	57	61	66
Mill scale "	13	11	10	11	10	11	12	10	13	12	10	9
Sinter Return "	338	380	384	465	402	313	306	308	303	297	301	301
Flue Dust "	7	7	7	10	10	8	6	8	8	7	7	6
Lime Dust "	4	3	3	2	2	2	2	2	2	1	1	0.3
LD SLAG "	21	20	15	15	14	20	20	25	28	25	23	27
<b>BLAST FURNACE</b>												
I.O.(Lump) per tonne of HM	524	562	615	640	623	668	593	532	487	516	537	553
Sinter "	1081	1091	1010	919	963	953	977	1046	1158	1142	1138	1133
Coke(dry) "	518	506	519	516	509	517	506	496	480	470	468	496
Nut Coke "	22	20	20	24	29	31	31	30	31	39	40	37
CDI (Dry) "	15	21	12	31	47	45	53	44	46	50	59	49
Pellet "	-	-	-	13	73	0.2	5.9	0.0	0.0	0.0	0.0	0.0
Quartzite "	0.6	0.5	1.0	1.2	0.8	0.2	0.3	0.9	1.0	0.4	1.1	1.0
Mn. Ore "	-	-	0.1	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LD SLAG "	5.20	3.85	5.56	2.38	0.23	2.04	1.47	0.08	0.01	0.01	0.00	0.03
Scrap "	-	0.1	1.7	13.1	9.0	19.5	19.0	20.4	21.8	9.4	14.3	10.8
<b>STEEL MELTING SHOP &amp; CCS</b>												
Hot Metal per tonne of Crude Steel	1006	1017	1008	1039	1018	1015	1012	1019	1022	1023	1021	1024
Scrap "	111	107	120	102	114	111	112	106	104	102	103	103
Iron Ore "	0.48	1.05	0.41	0.14	0.00	0.66	0.39	0.20	0.02	0.60	0.06	0.14
Lime "	84	72	76	81	81	81	79	80	80	78	79	77
Limestone "	4.0	2.2	2.8	4.6	0.9	1.0	0.1	0.1	1.7	1.1	0.0	0.0
Fe-Mn "	4.1	3.9	3.8	3.9	3.9	4.1	4.7	4.6	4.3	3.8	4.4	5.1
Fe-Si "	0.5	0.4	0.6	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.4	0.4
Coke/ Petro Coke "	0.3	0.3	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2

**प्रारम्भ से सेवाओं की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
<b>COKE OVENS</b>															
Electricity	per tonne of dry coal charged	KWH	24	22	18	17	17	16	18	18	18	17	16	18	18
Water	" "	Cu.M.	3.20	3.80	2.70	2.50	3.50	3.50	3.60	3.40	3.50	3.40	3.50	3.80	3.90
CO Gas	" "	Cu.M.	118	134	136	141	142	142	142	133	123	98	79	88	91
Steam	" "	Kg	124	112	134	140	79	71	71	77	136	96	86	115	116
Heat	" "	G.Cal.	0.500	0.524	0.573	0.593	0.572	0.593	0.598	0.610	0.623	0.606	0.592	0.595	0.592
<b>SINTERING PLANT</b>															
Electricity	per tonne of Gr.Sinter produced	KWH	104	78	77	72	54	65	90	91	71	69	85	84	85
Water	" "	Cu.M.	10	16	13	9	7	10	10	17	15	10	11	13	13
CO Gas	" "	Cu.M.	27	19	20	19	16	21	24	18	16	16	16	16	18
BF Gas	" "	Cu.M.	53	51	43	52	36	50	61	46	40	40	37	38	47
Heat	" "	G.Cal.	-	0.122	0.123	0.122	0.097	0.135	0.153	0.102	0.102	0.104	0.098	0.100	0.115
Refractory	" "	Kg	-	0.12	0.17	0.10	0.10	0.14	0.23	0.23	0.15	0.29	0.35	0.26	0.31
<b>BLAST FURNACE</b>															
Electricity	per tonne of Hot Metal	KWH	38	54	46	43	34	25	24	30	28	34	34	32	33
Water	" "	Cu.M.	59	73	71	57	58	75	85	86	94	86	96	98	93
BF Gas	" "	Cu.M.	818	933	891	921	878	989	1042	1144	1087	1067	1088	951	909
Steam	" "	Kg	88	7	142	133	116	142	161	176	199	173	175	165	163
Heat	" "	G.Cal.	4.510	4.910	5.210	4.850	4.930	4.980	4.960	5.366	5.400	5.368	5.409	5.236	5.022
Refractory	" "	Kg	-	1.3	1.2	1.1	0.8	1.4	2.1	1.3	1.7	1.3	3.0	3.0	3.2
<b>PIG CASTING MACHINES</b>															
Electricity	per tonne of Cold Pig Produced	KWH	2	2	3	3	2	3	3	4	3	3	4	3	3
Water	" "	Cu.M.	-	-	11	10	9	14	14	31	12	19	22	17	20
Refractory	" "	Kg	-	-	0.20	0.20	0.30	0.20	0.20	0.40	0.50	0.50	0.50	0.40	0.70

**प्रारम्भ से शेषों की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
<b>COKE OVENS</b>														
Electricity	per tonne of dry coal charged	KWH	19	19	19	20	21	21	22	20.9	22.3	23.8	22.8	22.0
Water	" "	Cu.M.	3.60	3.60	0.44	0.45	0.50	0.52	0.47	0.46	0.49	0.55	0.53	0.48
CO Gas	" "	Cu.M.	91	77	79	76	66	78	82	72	81	80	83	86
Steam	" "	Kg	105	99	96	89	100	94	84	76	107	139	176	96
Heat	" "	G.Cal.	0.597	0.603	0.597	0.596	0.610	0.681	0.687	0.654	0.674	0.663	0.644	0.625
BF Gas	" "	Cu.M.	-	-	-	-	394	412	443	426	435	423	384	346
Refractory	" "	Kg	-	-	-	-	1.2	1.2	1.1	0.7	2.9	4.9	2.5	2.0
<b>SINTERING PLANT</b>														
Electricity	per tonne of Gr.Sinter produced	KWH	85	72	73	63	66	60	58	55.1	53.3	52.1	53.3	52.5
Water	" "	Cu.M.	11	11	11	11	11	9	8	8	8	8	8	9
CO Gas	" "	Cu.M.	17	16	14	14	14	14	16	16	15	14	13	13
Steam	" "	Kg	55	55	51	45	46	36	30	25	22	20	19	22
Heat	" "	G.Cal.	0.120	0.115	0.101	0.095	0.098	0.097	0.090	0.083	0.076	0.072	0.068	0.066
Refractory	" "	Kg	0.12	0.14	0.12	0.12	0.09	0.14	0.08	0.09	0.03	0.05	0.06	0.05
<b>BLAST FURNACE</b>														
Electricity	per tonne of Hot Metal	KWH	29	23	24	26	29	29	28	25.0	26.6	26.7	29.5	25.0
Water	" "	Cu.M.	99	98	88	82	84	83	76	77	73	72	77	73
BF Gas	" "	Cu.M.	896	744	742	767	819	808	777	797	789	777	764	757
Steam	" "	Kg	174	157	141	111	108	101	104	110	136	110	99	152
Heat	" "	G.Cal.	5.241	5.109	4.927	4.861	4.835	4.095	4.780	4.819	4.644	4.488	4.677	4.354
Refractory	" "	Kg	2.9	2.4	2.1	2.0	2.3	3.0	5.9	6.1	5.5	5.8	5.3	4.7
<b>PIG CASTING MACHINES</b>														
Electricity	per tonne of Cold Pig Produced	KWH	3	3	3	4	4	4	7	8.5	5.4	6.2	5.4	4.0
Water	" "	Cu.M.	18	14	14	25	22	32	77	86	65	51	85	51
Refractory	" "	Kg	0.60	0.50	0.20	0.30	0.14	0.24	-	0.40	0.20	0.20	0.10	-



**प्रारम्भ से सेवाओं की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
<b>COKE OVENS</b>													
Electricity	per tonne of dry coal charged	KWH	22.3	23.8	24.3	23.2	23.2	21.4	21.2	20.8	20.7	20.3	20.5
Water	" "	Cu.M.	0.48	0.54	0.51	0.50	0.51	0.48	0.48	0.51	0.48	0.49	0.49
CO Gas	" "	Cu.M.	82	88	78	79	74	74	80	83	89	79	95
Steam	" "	Kg	111	109	91	84	105	109	113	127	134	157	172
Heat	" "	G.Cal.	0.62	0.613	0.607	0.605	0.600	0.595	0.594	0.591	0.592	0.583	0.592
BF Gas	" "	Cu.M.	342	319	359	382	398	400	365	391	358	373	327
Refractory	" "	Kg	0.8	0.4	0.4	0.4	0.64	1.16	0.22	0.25	0.22	0.25	0.23
<b>SINTERING PLANT</b>													
Electricity	per tonne of Gr.Sinter produced	KWH	52.3	51.5	51.0	51.3	50.4	49.0	46.7	48.5	45.6	46.6	48.2
Water	" "	Cu.M.	8	9	10	9	9.0	8.4	8.4	8.4	7.4	7.6	7.7
CO Gas	" "	Cu.M.	11	11	10	9	7.4	6.4	5.0	4.0	4.0	4.3	4.7
BF Gas	" "	Cu.M.	18	17	24	22	23.2	20.3	14.4	9.2	8.9	9.2	7.5
Heat	" "	G.Cal.	0.063	0.001	0.058	0.055	0.051	0.044	0.033	0.024	0.024	0.026	0.025
Refractory	" "	Kg	0.05	0.06	0.06	0.05	0.03	0.05	0.03	0.04	0.02	0.03	0.02
<b>BLAST FURNACE</b>													
Electricity	per tonne of Hot Metal	KWH	23.9	23.7	22.3	22.6	22.8	22.3	23.1	23.0	21.4	21.4	22.0
Water	" "	Cu.M.	71	60	57	55	56	55	55	55	48	48	47
BF Gas	" "	Cu.M.	735	698	692	699	671	652	635	657	667	667	688
Steam	" "	Kg	159	165	174	173	178	165	134	105	108	123	123
Heat	" "	G.Cal.	4.209	4.125	4.043	4.058	4.040	3.980	4.206	4.119	4.037	4.025	4.027
Refractory	" "	Kg	3.5	2.9	2.4	2.2	2.0	1.8	2.2	2.3	1.8	2.2	1.9
<b>PIG CASTING MACHINES</b>													
Electricity	per tonne of Cold Pig Produced	KWH	3.8	4.2	4.8	10.2	5.3	5.4	9.8	10.4	5.9	7.6	11.0
Water	" "	Cu.M.	38	33	47	121	58	86	135	162	73	76	125

**प्रारम्भ से शेषांशों की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>COKE OVENS</b>														
Electricity	per tonne of dry coal charged	KWH	21.5	20.2	20.0	21.7	23.7	25.4	20.1	19.4	22.1	20.2	19.5	18.9
Water	" "	Cu.M.	0.51	0.52	0.52	0.57	0.62	0.69	0.55	0.52	0.57	0.53	0.52	0.51
CO Gas	" "	Cu.M.	86	81	80	99	102	81	79	111	116	109	114	95
Steam	" "	Kg	209	197	167	170	210	139	118	185	82	72	63	64
Heat	" "	G.Cal.	0.590	0.588	0.599	0.635	0.691	0.669	0.635	0.658	0.714	0.733	0.709	0.686
BF Gas	" "	Cu.M.	335	354	368	332	358	434	404	283	303	383	308	352
Refractory	" "	Kg	0.16	0.19	0.43	0.68	1.81	0.47	0.60	0.39	0.42	0.36	0.33	0.34
<b>SINTERING PLANT</b>														
Electricity	per tonne of Gr.Sinter produced	KWH	52.6	52.7	55.9	56.9	54.6	54.1	48.6	45.9	43.4	43.7	44.1	44.9
Water	" "	Cu.M.	8.8	8.5	9.1	9.3	8.8	9.3	8.5	9.2	8.8	7.8	7.5	7.7
CO Gas	" "	Cu.M.	4.9	5.0	6.0	5.6	5.2	5.2	5.1	5.1	5.1	5.2	5.3	6.6
BF Gas	" "	Cu.M.	10.3	11.8	11.1	11.5	10.6	11.0	10.1	10.4	10.0	10.3	10.4	13.6
Heat	" "	G.Cal.	0.028	0.030	0.034	0.032	0.030	0.031	0.029	0.030	0.029	0.030	0.031	0.039
Refractory	" "	Kg	0.03	0.03	0.04	0.06	0.05	0.03	0.02	0.04	0.05	0.01	0.03	0.01
<b>BLAST FURNACE</b>														
Electricity	per tonne of Hot Metal	KWH	23.8	23.4	23.7	24.1	24.7	26.2	22.9	28.0	28.2	24.5	25.0	27.9
Water	" "	Cu.M.	54	53	51	53	51	49	43	42	45	38	44	48
BF Gas	" "	Cu.M.	702	714	736	731	691	686	685	699	667	678	695	677
Steam	" "	Kg	166	159	153	153	143	130	124	152	191	159	143	102
Heat	" "	G.Cal.	4.038	3.947	3.990	4.154	4.289	4.326	4.355	4.247	4.123	4.149	4.264	4.346
Refractory	" "	Kg	1.8	1.5	1.7	2.6	2.0	1.4	2.8	2.6	2.6	2.1	2.5	2.5
<b>PIG CASTING MACHINES</b>														
Electricity	per tonne of Cold Pig Produced	KWH	13.2	10.2	8.0	40.8	14.6	32.9	11.3	38.5	40.7	21.2	14.9	10.6
Water	" "	Cu.M.	156	113	85	444	152	309	117	351	380	188	132	88

**प्रारम्भ से सेवाओं की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
<b>STEEL MELTING SHOP</b>														
Electricity	per tonne of Crude Steel	KWH	-	197	103	68	44	47	43	35	52	31	29	36
Steam	" "	Kg	-	-	-	-	52	72	47	22	53	50	55	15
Water	" "	Cu.M.	-	111	54	19	20	33	26	25	38	20	20	25
CO Gas	" "	Cu.M.	-	-	149	71	31	39	16	12	22	10	9	11
Refractory	" "	Kg	-	-	26	23	19	21	23		19	20	23	26
<b>SLABBING MILL</b>														
Electricity	per tonne of Ingot Rolled	KWH	-	-	-	90	45	49	42	49	53	34	25	27
Water	" "	Cu.M.	-	-	-	110	34	36	29	30	35	19	20	26
BF Gas	" "	Cu.M.	-	-	-	785	387	452	459	481	571	271	224	254
CO Gas	" "	Cu.M.	-	-	-	-	-	-	-	-	-	35	54	57
Heat	" "	G.Cal.	-	-	-	0.649	0.333	0.414	0.393	0.429	0.524	0.388	0.421	0.456
Refractory	" "	Kg	-	-	-	0.36	0.1	0.33	0.73	1.3	1.4	2.9	3.3	5.7
<b>HOT STRIP MILL</b>														
Electricity	per tonne of Slab Rolled	KWH	-	-	-	163	148	145	138	132	140	101	92	101
Water	" "	Cu.M.	-	-	-	232	119	130	112	147	169	89	88	10
CO Gas	" "	Cu.M.	-	-	-	120	100	124	117	140	159	126	130	124
BF Gas	" "	Cu.M.	-	-	-	1379	684	419	374	426	517	423	449	449
Heat	" "	G.Cal.	-	-	-	1.299	1.012	0.932	0.826	0.986	1.289	0.890	0.932	0.903
Refractory	" "	Kg	-	-	-	1.04	0.43	0.33	0.73	1.21	0.80	1.00	1.30	1.70
<b>HOT ROLLED COIL FINISHING</b>														
Electricity	per tonne of HR Coil Sheared	KWH	-	-	-	14	28	35	27	26	32	22	20	25
Water	" "	Cu.M.	-	-	-	-	2	8	6	5	6	3	3	4
<b>COLD ROLLING MILL</b>														
Electricity	per tonne of Sal. CR Production	KWH	-	-	-	-	-	268	198	235	217	172	173	194
Steam	" "	Kg	-	-	-	-	-	278	231	254	355	416	436	821
Water	" "	Cu.M.	-	-	-	-	-	235	137	225	239	131	121	138
CO Gas	" "	Cu.M.	-	-	-	-	-	69	65	68	70	63	65	74
BF Gas	" "	Cu.M.	-	-	-	-	-	234	210	209	217	212	216	259
Heat	" "	G.Cal.	-	-	-	-	-	0.491	0.439	0.506	0.457	0.485	0.457	0.527
Refractory	" "	Kg	-	-	-	-	-	0.13	0.91	1.6	0.6	0.3	0.4	0.7

\* CO Gas consumed in Soaking Pit

Page No. 43

**प्रारम्भ से शेषांशों की खपत दर**  
**CONSUMPTION RATE OF SERVICES SINCE INCEPTION**

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
<b>STEEL MELTING SHOP</b>													
Electricity	per tonne of Crude Steel	KWH	46	46	45	41	48	40	40	36	35.1	34.8	35.9
Steam	" "	Kg	14	14	15	13	9	14	10	3	3	3	3
Water	" "	Cu.M.	25	24	24	22	19	20	19	16	16	15	16
CO Gas	" "	Cu.M.	9	9	8	6	6	7	8	8	8	7	5
Refractory	" "	Kg	26	27	24	23	20	21	23	24	20	18	15
<b>SLABBING MILL</b>													
Electricity	per tonne of Ingot Rolled	KWH	27	23	24	22	20	20	18	17	16.9	18.1	18.5
Water	" "	Cu.M.	24	22	23	19	16	17	16	14	16	15	15
BF Gas	" "	Cu.M.	262	256	338	305	269	275	287	237	233	248	256
CO Gas	" "	Cu.M.	56	66	73	66	60	62	47	49	49	35	32
Heat	" "	G.Cal.	0.441	0.496	0.595	0.539	0.485	0.502	0.458	0.422	0.418	0.417	0.414
Refractory	" "	Kg	4.2	3.6	3.8	3.4	2.6	3	3.4	3.7	3.6	2.9	2.9
<b>HOT STRIP MILL</b>													
Electricity	per tonne of Slab Rolled	KWH	99	93	98	92	84	86	78	74	72.3	72.1	73.9
Water	" "	Cu.M.	102	91	92	96	82	82	71	62	59	56	57
CO Gas	" "	Cu.M.	119	138	150	139	128	123	97	97	100	95	85
BF Gas	" "	Cu.M.	452	94	500	505	460	417	311	319	322	280	363
Heat	" "	G.Cal.	0.913	0.999	1.111	1.009	0.935	0.882	0.701	0.707	0.720	0.665	0.619
Refractory	" "	Kg	1.10	1.30	1.00	1.00	1.10	1.10	1.10	0.90	0.60	0.60	0.70
<b>HOT ROLLED COIL FINISHING</b>													
Electricity	per tonne of HR Coil Sheared	KWH	25	20	19	20	17	16	15	14	15.0	14.0	17.7
Water	" "	Cu.M.	4	3	3	3	3	2	2	2	2	2	3
<b>COLD ROLLING MILL</b>													
Electricity	per tonne of Sal. CR Production	KWH	169	168	198	185	154	170	173	165	174.4	172.7	165.8
Steam	" "	Kg	571	524	539	374	300	322	214	184	200	202	226
Water	" "	Cu.M.	120	119	142	186	138	121	135	134	160	148	182
CO Gas	" "	Cu.M.	59	58	68	60	64	61	67	63	67	72	68
BF Gas	" "	Cu.M.	219	208	255	218	230	289	167	165	187	181	157
Heat	" "	G.Cal.	0.431	0.427	0.494	0.442	0.452	0.389	0.379	0.369	0.395	0.392	0.386
Refractory	" "	Kg	0.5	0.6	0.8	0.7	0.2	0.7	0.5	0.7	0.5	0.5	0.4

प्रारम्भ से शेषांशों की खपत दर

CONSUMPTION RATE OF SERVICES SINCE INCEPTION

Table No. 1.6 (Contd.)

PARTICULARS		Unit	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
<b>STEEL MELTING SHOP</b>														
Electricity	per tonne of Crude Steel	KWH	35.7	34.2	36.2	40.4	60.8	59.1	55.6	55.4	53.6	53.5	52.2	52.6
Steam	" "	Kg	3	5	16	27	32	29	31.8	32.1	43.2	40.4	45.7	53.8
Water	" "	Cu.M.	16	16	16	18	17	32	32	32	31	30	27.4	28.4
CO Gas	" "	Cu.M.	5	5	6	7	6	7	8	8	8	7	6.8	7.6
Refractory	" "	Kg	13	11	10	9	12	11	11	11	9	8.2	8.3	8.0
<b>SLABBING MILL</b>														
Electricity	per tonne of Ingot Rolled	KWH	19.4	20.3	22.0	30.7	24.6	25.6	30.4	27.3	28.0	27.9	29.0	33.1
Water	" "	Cu.M.	15	16	17	27	29	32	33	33	35	39	30	32
BF Gas	" "	Cu.M.	242	238	247	244	261	217	201	200	216	225	275	302
CO Gas	" "	Cu.M.	40	50	57	55	62	47	38	48	51	53	70	82
Heat	" "	G.Cal.	0.410	0.431	0.454	0.436	0.418	0.380	0.326	0.371	0.394	0.406	0.518	0.596
Refractory	" "	Kg	2.4	1.9	2.3	1.8	1.8	1.1	0.8	1.3	1.1	1.1	1.8	4.8
<b>HOT STRIP MILL</b>														
Electricity	per tonne of Slab Rolled	KWH	67.3	67.8	74.1	84.2	81.6	79.4	81.7	88.7	83.4	79.5	78.7	77.2
Water	" "	Cu.M.	55	59	62	68	57	48	65	59	57	54	52	51
CO Gas	" "	Cu.M.	85	96	104	97	95	90	79	78	78	77	79	89
BF Gas	" "	Cu.M.	257	270	277	361	254	239	179	162	134	145	142	133
Heat	" "	G.Cal.	0.610	0.653	0.682	0.631	0.619	0.587	0.484	0.469	0.442	0.446	0.450	0.481
Refractory	" "	Kg	0.60	0.60	0.50	0.40	0.30	0.30	0.28	0.17	0.33	0.23	0.06	0.20
<b>HOT ROLLED COIL FINISHING</b>														
Electricity	per tonne of HR Coil Sheared	KWH	16.3	16.8	17.1	16.1	18.2	17.5	16.1	19.5	23.3	19.6	18.2	18.2
Water	" "	Cu.M.	2	2	2	3	3	3	2.4	2.8	3.2	2.8	2.5	2.5
<b>COLD ROLLING MILL</b>														
Electricity	per tonne of Sal. CR Production	KWH	147.5	153.1	151.3	156.4	155.1	150.4	164.7	165.0	154.1	153.2	156.2	150.5
Steam	" "	Kg	555	236	316	411	374	298	316	264	242	276	268	258
Water	" "	Cu.M.	147	157	151	161	146	138	156	154	143	144	150	155
CO Gas	" "	Cu.M.	58	67	67	72	78	75	83	83	80	79	85	91
BF Gas	" "	Cu.M.	143	154	141	138	152	144	127	133	122	128	129	136
Heat	" "	G.Cal.	0.372	0.384	0.403	0.389	0.390	0.374	0.357	0.350	0.336	0.332	0.333	0.369
Refractory	" "	Kg	0.6	0.3	0.3	0.3	0.3	0.4	0.6	0.3	0.3	0.3	0.6	0.6

प्राग्भ्रं भे भेवाग्रों की खपत दर

CONSUMPTION RATE OF SERVICES SINCE INCEPTION

Table No. 1.6

PARTICULARS		Unit	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
<b>STEEL MELTING SHOP</b>															
Electricity	per tonne of Crude Steel	KWH	51.2	55.5	56.2	56.1	55.2	57.2	59.4	59.0	63.1	61.4	51.3	52.5	56.0
Steam	" "	Kg	48.8	61.0	65.5	63.4	51.6	63.3	69.2	73.4	67.6	70.7	55.2	43.8	53.9
Water	" "	Cu.M.	28.0	31.9	31.7	31.8	31.4	30.7	30.4	30.1	33.6	34.6	30.2	28.5	29.7
CO Gas	" "	Cu.M.	8.4	8.0	7.6	7.3	7.8	8.6	8.3	8.7	9.9	8.8	9.7	10.7	10.1
Refractory	" "	Kg	7.5	7.7	8.1	8.2	8.3	7.9	8.6	7.2	6.5	6.8	7.1	6.9	6.7
<b>SLABBING MILL</b>															
Electricity	per tonne of Ingot Rolled	KWH	34.7	35.8	35.1	40.7	43.5	47.7	43.0	43.4	58.1	100.3	68.1	66.8	58.9
Water	" "	Cu.M.	32	37	39	46	51	51	48	49	69	158	61	56	55
BF Gas	" "	Cu.M.	250	225	238	339	462	394	425	332	403	577	697	424	386
CO Gas	" "	Cu.M.	65	59	61	62	28	47	48	68	73	52	44	76	87
Heat	" "	G.Cal.	0.467	0.422	0.439	0.499	0.494	0.507	0.501	0.498	0.519	0.689	0.797	0.689	0.706
Refractory	" "	Kg	2.9	1.4	2.4	3.6	2.7	3.3	5.7	4.6	4.6	6.9	3.2	4.5	5.3
<b>HOT STRIP MILL</b>															
Electricity	per tonne of Slab Rolled	KWH	77.2	80.3	81.5	91.0	87.0	84.0	79.7	80.5	81.1	76.8	76.0	74.6	81.4
Water	" "	Cu.M.	48	53	53	56	56	54	52	55	61	45	50	50	53
CO Gas	" "	Cu.M.	88	88	92	107	106	87	85	91	87	85	88	89	76
BF Gas	" "	Cu.M.	128	122	133	144	181	139	130	126	125	128	167	142	122
Heat	" "	G.Cal.	0.468	0.448	0.464	0.528	0.561	0.475	0.452	0.463	0.463	0.456	0.509	0.489	0.416
Refractory	" "	Kg	0.26	0.27	0.13	0.32	0.37	0.18	0.14	0.21	0.75	0.30	0.23	0.17	0.17
<b>HOT ROLLED COIL FINISHING</b>															
Electricity	per tonne of HR Coil Sheared	KWH	18.1	19.4	19.2	19.2	20.6	23.2	23.3	22.5	26.5	20.9	21.9	21.2	25.7
Water	" "	Cu.M.	2.4	2.6	2.6	2.8	3.2	3.3	3.4	3.2	3.9	3.1	3.6	3.4	4.0
<b>COLD ROLLING MILL</b>															
Electricity	per tonne of Sal. CR Production	KWH	170.9	197.6	186.6	197.9	194.8	183.6	191.8	204.8	211.5	131.6	204.2	219.9	244.4
Steam	" "	Kg	147	357	375	400	400	440	521	598	546	375	371	454	570
Water	" "	Cu.M.	177	218	196	215	260	222	235	255	268	114	36	34	38
CO Gas	" "	Cu.M.	96	92	86	94	86	107	96	108	91	90	110	93	96
BF Gas	" "	Cu.M.	148	128	142	157	167	156	168	160	149	175	255	153	157
Heat	" "	G.Cal.	0.387	0.347	0.328	0.358	0.367	0.365	0.383	0.380	0.427	0.414	0.601	0.539	0.511
Refractory	" "	Kg	1.2	1.2	0.6	0.3	1.0	0.4	1.0	0.6	1.3	0.5	0.3	0.3	0.4

## SUMMARY

उत्पादन सारांश  
PRODUCTION SUMMARY



MAIN PRODUCTS

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	Oven Pushing(Nos.)		Gross Coke	BF Coke	Gross Sinter	Hot Metal	Pig Iron	Ingot Steel	Cast Slab	Crude Steel
	Avg./day	Total								
APR'19	480	14400	221400	203688	441838	361619	8591	43650	283691	327341
MAY	475	14733	226520	208398	467053	355010	15285	54860	257877	312737
JUN	475	14255	219171	201637	480247	360023	16083	46376	271467	317843
<b>1ST QTR.</b>	<b>477</b>	<b>43388</b>	<b>667091</b>	<b>613723</b>	<b>1389138</b>	<b>1076652</b>	<b>39959</b>	<b>144886</b>	<b>813035</b>	<b>957921</b>
JULY	475	14727	226427	208313	536660	370089	11109	42516	290286	332802
AUG	474	14709	226150	208059	478527	321269	14863	52570	230205	282775
SEP	440	13210	203104	186855	508345	307519	6698	19541	259008	278549
<b>2ND QTR.</b>	<b>464</b>	<b>42646</b>	<b>655681</b>	<b>603227</b>	<b>1523532</b>	<b>998877</b>	<b>32670</b>	<b>114627</b>	<b>779499</b>	<b>894126</b>
OCT	430	13330	204949	188553	475844	313017	3876	22127	263807	285934
NOV	429	12859	197708	181891	424215	304054	7809	7292	266646	273938
DEC	429	13303	204534	188171	471284	319050	6141	5491	285568	291059
<b>3RD QTR.</b>	<b>429</b>	<b>39492</b>	<b>607191</b>	<b>558615</b>	<b>1371343</b>	<b>936121</b>	<b>17826</b>	<b>34910</b>	<b>816021</b>	<b>850931</b>
JAN'20	437	13552	208362	191693	471021	357012	12100	29075	292273	321348
FEB	458	13292	204364	188015	453670	356432	13064	35634	284109	319743
MAR	457	14163	217756	200336	472245	361041	14271	40445	282860	323305
<b>4TH QTR.</b>	<b>451</b>	<b>41007</b>	<b>630482</b>	<b>580044</b>	<b>1396936</b>	<b>1074485</b>	<b>39435</b>	<b>105154</b>	<b>859242</b>	<b>964396</b>
<b>2019-20</b>	<b>455</b>	<b>166533</b>	<b>2560445</b>	<b>2355609</b>	<b>5680949</b>	<b>4086135</b>	<b>129890</b>	<b>399577</b>	<b>3267797</b>	<b>3667374</b>
<b>2018-19</b>	<b>449</b>	<b>163849</b>	<b>2512084</b>	<b>2311117</b>	<b>5870100</b>	<b>4209268</b>	<b>85194</b>	<b>439775</b>	<b>3393576</b>	<b>3833351</b>
<b>2017-18</b>	<b>432</b>	<b>157530</b>	<b>2398001</b>	<b>2217160</b>	<b>5606787</b>	<b>4045681</b>	<b>56681</b>	<b>417885</b>	<b>3275703</b>	<b>3693588</b>
<b>2016-17</b>	<b>391</b>	<b>142835</b>	<b>2143033</b>	<b>1991323</b>	<b>4810372</b>	<b>3409936</b>	<b>28500</b>	<b>176533</b>	<b>2977200</b>	<b>3153733</b>
<b>2015-16</b>	<b>442</b>	<b>161702</b>	<b>2417121</b>	<b>2237471</b>	<b>4695029</b>	<b>3700004</b>	<b>32546</b>	<b>548044</b>	<b>2844031</b>	<b>3392075</b>



**उत्पादन सारांश**  
**PRODUCTION SUMMARY**

**MAIN PRODUCTS**

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	Ingot	Rolled Slab	CC Slab+	HR Coil for				HR Plates/
	Rolled	Sl.Mill	Rolled Slab	Sale	HRCF	CRM	Total	Sheets
APR'19	43783	38223	321914	174397	49105	92006	315508	46046
MAY	59595	52026	309903	163390	34922	93391	291703	38974
JUN	50731	44288	315755	169727	35299	98010	303036	34597
<b>1ST QTR.</b>	<b>154109</b>	<b>134537</b>	<b>947572</b>	<b>507514</b>	<b>119326</b>	<b>283407</b>	<b>910247</b>	<b>119617</b>
JULY	47095	41114	331400	160597	41620	106309	308526	40035
AUG	35926	31363	261568	146910	36226	91549	274685	36132
SEP	37561	32790	291798	110106	28564	67219	205889	29385
<b>2ND QTR.</b>	<b>120582</b>	<b>105267</b>	<b>884766</b>	<b>417613</b>	<b>106410</b>	<b>265077</b>	<b>789100</b>	<b>105552</b>
OCT	26216	22887	286694	163155	29947	90133	283235	28824
NOV	7502	6549	273195	166702	40816	86613	294131	34478
DEC	8123	7091	292659	184543	35448	82038	302029	36140
<b>3RD QTR.</b>	<b>41841</b>	<b>36527</b>	<b>852548</b>	<b>514400</b>	<b>106211</b>	<b>258784</b>	<b>879395</b>	<b>99442</b>
JAN'20	26442	23084	315357	177035	37677	80237	294949	32886
FEB	32887	28710	312819	176502	36158	88316	300976	32948
MAR	35877	31320	314180	155266	40977	86087	282330	29847
<b>4TH QTR.</b>	<b>95206</b>	<b>83114</b>	<b>942356</b>	<b>508803</b>	<b>114812</b>	<b>254640</b>	<b>878255</b>	<b>95681</b>
<b>2019-20</b>	<b>411738</b>	<b>359445</b>	<b>3627242</b>	<b>1948330</b>	<b>446759</b>	<b>1061908</b>	<b>3456997</b>	<b>420292</b>
2018-19	404620	353235	3746811	1965553	505559	1214991	3686103	492673
2017-18	383216	334546	3610249	1936990	481953	1137283	3556226	460647
2016-17	183206	159985	3137185	1851650	548765	911351	3311766	524008
2015-16	547584	478040	3322071	1576379	436044	471899	2484322	423623

**उत्पादन सारांश**  
**PRODUCTION SUMMARY**

**MAIN PRODUCTS**

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	CRM I & II									CRM -III			
	Pickled	Reduced	Annealed Coil		ECL	CR Coil	CR Coil	CR	Galv.	Reduced	Annealed	CR Coil	GP Coil
	Coil	Coil	Hood	CAL		SPM	DCR	Sheets	Coil	Coil	Coil	SPM	HDGL
APR'19	60336	65919	46101	4994	0	41494	3832	53	10077	24708	28315	27288	0
MAY	59506	58683	42847	4531	0	40269	3740	414	11588	37362	32071	30272	0
JUN	53246	53444	40548	5740	0	36357	4468	1906	8169	38239	36945	34110	0
<b>1ST QTR.</b>	<b>173088</b>	<b>178046</b>	<b>129496</b>	<b>15265</b>	<b>0</b>	<b>118120</b>	<b>12040</b>	<b>2373</b>	<b>29834</b>	<b>100309</b>	<b>97331</b>	<b>91670</b>	<b>0</b>
JULY	56968	51234	35799	4762	0	32579	3599	427	9469	34490	36198	35120	0
AUG	43519	50895	35728	5944	0	31379	4571	217	6207	42841	40049	38642	0
SEP	41259	41310	33517	4688	0	29412	3901	526	3229	33046	36944	34972	0
<b>2ND QTR.</b>	<b>141746</b>	<b>143439</b>	<b>105044</b>	<b>15394</b>	<b>0</b>	<b>93370</b>	<b>12071</b>	<b>1170</b>	<b>18905</b>	<b>110377</b>	<b>113191</b>	<b>108734</b>	<b>0</b>
OCT	41663	40156	30725	5038	0	26207	4016	40	0	36240	33597	32937	0
NOV	40366	41260	40442	3297	0	38168	2650	1150	3716	46976	39252	37585	0
DEC	35760	33438	33487	1714	0	31580	1520	288	3465	43003	41289	40557	0
<b>3RD QTR.</b>	<b>117789</b>	<b>114854</b>	<b>104654</b>	<b>10049</b>	<b>0</b>	<b>95955</b>	<b>8186</b>	<b>1478</b>	<b>7181</b>	<b>126219</b>	<b>114138</b>	<b>111079</b>	<b>0</b>
JAN'20	37812	35590	32418	1429	0	29775	1360	0	1783	40803	41215	39872	1070
FEB	42443	37219	33406	765	0	31589	587	19	5112	46237	39747	38526	5645
MAR	23853	32838	30999	1661	0	29755	1450	0	1704	44138	41614	40947	8386
<b>4TH QTR.</b>	<b>104108</b>	<b>105647</b>	<b>96823</b>	<b>3855</b>	<b>0</b>	<b>91119</b>	<b>3397</b>	<b>19</b>	<b>8599</b>	<b>131178</b>	<b>122576</b>	<b>119345</b>	<b>15101</b>
<b>2019-20</b>	<b>536731</b>	<b>541986</b>	<b>436017</b>	<b>44563</b>	<b>0</b>	<b>398564</b>	<b>35694</b>	<b>5040</b>	<b>64519</b>	<b>468083</b>	<b>447236</b>	<b>430828</b>	<b>15101</b>
2018-19	802000	788473	576619	71038	60	520422	58675	17227	131423	365565	336236	325553	9338
2017-18	737831	731420	531477	65245	4906	483754	53634	18090	128897	355561	348474	336124	0
2016-17	646822	638792	472064	49551	10645	422355	41330	16011	112932	217394	199745	203326	0
2015-16	390012	373754	262777	22551	11545	224514	19539	12323	87206	85810	55459	74234	0

# उत्पादन आंश PRODUCTION SUMMARY

## SALEABLE STEEL

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	Ingot	Slab	Thick Plate	HR Coil	HR Plate	HR Sheet	CR Coil			CR Sheet	GP Coil		GP Sheet	GC Sheet	GP Coil GP/GC Sheet	CR Saleable	Total Saleable Steel
							CRM-I/II	CRM-III	Total		CRM-I/II	CRM-III					
APR'19	0	0	644	174397	36657	9389	50939	29151	80090	53	8982	0	1305	70	10357	90500	311587
MAY	0	0	1289	163390	29152	9822	46853	32150	79003	414	9949	0	812	416	11177	90594	294247
JUN	0	0	603	169727	29820	4777	42119	38051	80170	1906	6978	0	815	216	8009	90085	295012
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>2536</b>	<b>507514</b>	<b>95629</b>	<b>23988</b>	<b>139911</b>	<b>99352</b>	<b>239263</b>	<b>2373</b>	<b>25909</b>	<b>0</b>	<b>2932</b>	<b>702</b>	<b>29543</b>	<b>271179</b>	<b>900846</b>
JULY	0	0	720	160597	32550	7485	39548	35120	74668	427	7989	0	603	462	9054	84149	285501
AUG	0	0	557	146910	29551	6581	39266	41145	80411	217	5360	0	768	150	6278	86906	270505
SEP	0	0	1024	110106	21603	7782	39507	38695	78202	526	2473	0	625	286	3384	82112	222627
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>2301</b>	<b>417613</b>	<b>83704</b>	<b>21848</b>	<b>118321</b>	<b>114960</b>	<b>233281</b>	<b>1170</b>	<b>15822</b>	<b>0</b>	<b>1996</b>	<b>898</b>	<b>18716</b>	<b>253167</b>	<b>778633</b>
OCT	0	0	769	163155	23813	5011	35000	35090	70090	40	0	0	656	20	676	70806	263554
NOV	0	0	487	166702	26724	7754	43426	40349	83775	1150	2402	0	600	455	3457	88382	290049
DEC	0	0	2327	184543	28595	7545	37083	42216	79299	288	3131	0	545	30	3706	83293	306303
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>3583</b>	<b>514400</b>	<b>79132</b>	<b>20310</b>	<b>115509</b>	<b>117655</b>	<b>233164</b>	<b>1478</b>	<b>5533</b>	<b>0</b>	<b>1801</b>	<b>505</b>	<b>7839</b>	<b>242481</b>	<b>859906</b>
JAN'20	0	0	972	177035	26274	6612	32313	41943	74256	0	1496	1070	295	15	2876	77132	288025
FEB	0	0	661	176502	25223	7725	32324	39482	71806	19	4386	5645	377	0	10408	82233	292344
MAR	0	0	615	155266	22661	7186	31534	42255	73789	0	1533	8386	168	9	10096	83885	269613
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>2248</b>	<b>508803</b>	<b>74158</b>	<b>21523</b>	<b>96171</b>	<b>123680</b>	<b>219851</b>	<b>19</b>	<b>7415</b>	<b>15101</b>	<b>840</b>	<b>24</b>	<b>23380</b>	<b>243250</b>	<b>849982</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>10668</b>	<b>1948330</b>	<b>332623</b>	<b>87669</b>	<b>469912</b>	<b>455647</b>	<b>925559</b>	<b>5040</b>	<b>54679</b>	<b>15101</b>	<b>7569</b>	<b>2129</b>	<b>79478</b>	<b>1010077</b>	<b>3389367</b>
2018-19	0	14300	12090	1965553	388779	103894	636321	346002	982323	17227	112406	9338	18115	2397	142256	1141806	3626422
2017-18	0	22678	17567	1936990	349022	111625	561463	354064	915527	18090	107501	0	19782	1829	129112	1062729	3500611
2016-17	0	136965	25674	1851650	424120	99888	490080	213974	704054	16011	88672	0	20499	4945	114116	834181	3372478
2015-16	6969	103536	18726	1586379	324980	98643	277334	83036	360370	12323	63908	0	18881	6640	89429	462122	2601355

# उत्पादन सारांश PRODUCTION SUMMARY

## SPECIAL STEEL

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	HR COIL												
	LPG	SAIL COR	HT Grades	Auto Grade	HSFQ/SAIL Forming	MC Series	API	SAIL Boiler	IS2062 E250 B0	Grade C	Cu Bearing	SAIL Soft	Total
APR'19	25259	42	2480	354	2338	15	0	0	0	0	0	883	31371
MAY	23486	0	1568	540	3537	46	0	0	28	111	484	4230	34030
JUN	21089	1273	2363	550	3591	709	0	0	832	27	0	2361	32795
<b>1ST QTR.</b>	<b>69834</b>	<b>1315</b>	<b>6411</b>	<b>1444</b>	<b>9466</b>	<b>770</b>	<b>0</b>	<b>0</b>	<b>860</b>	<b>138</b>	<b>484</b>	<b>7474</b>	<b>98196</b>
JULY	20741	274	3404	284	3968	766	0	210	169	0	558	29	30403
AUG	18866	729	3881	0	1153	15	0	0	0	56	503	0	25203
SEP	7017	863	852	0	1288	31	111	0	0	111	175	3374	13822
<b>2ND QTR.</b>	<b>46624</b>	<b>1866</b>	<b>8137</b>	<b>284</b>	<b>6409</b>	<b>812</b>	<b>111</b>	<b>210</b>	<b>169</b>	<b>167</b>	<b>1236</b>	<b>3403</b>	<b>69428</b>
OCT	8251	1076	2691	48	1410	980	0	0	0	194	954	3802	19406
NOV	7075	269	1287	0	403	808	0	0	140	190	55	4235	14462
DEC	5330	698	2568	126	1054	727	0	0	0	83	111	5960	16657
<b>3RD QTR.</b>	<b>20656</b>	<b>2043</b>	<b>6546</b>	<b>174</b>	<b>2867</b>	<b>2515</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>467</b>	<b>1120</b>	<b>13997</b>	<b>50525</b>
JAN'20	8876	108	2111	234	1198	31	0	0	167	0	0	5691	18416
FEB	16485	190	3000	183	1149	986	0	0	56	111	1011	3990	27161
MAR	15465	113	915	63	782	137	0	0	355	0	757	2314	20901
<b>4TH QTR.</b>	<b>40826</b>	<b>411</b>	<b>6026</b>	<b>480</b>	<b>3129</b>	<b>1154</b>	<b>0</b>	<b>0</b>	<b>578</b>	<b>111</b>	<b>1768</b>	<b>11995</b>	<b>66478</b>
<b>2019-20</b>	<b>177940</b>	<b>5635</b>	<b>27120</b>	<b>2382</b>	<b>21871</b>	<b>5251</b>	<b>111</b>	<b>210</b>	<b>1747</b>	<b>883</b>	<b>4608</b>	<b>36869</b>	<b>284627</b>
2018-19	263539	11556	44390	3172	40283	6271	0	1909	8546	276	4278	39065	423285
2017-18	221013	9636	54398	3795	34623	2174	3152	7927	295	1843	5051	65792	409699
2016-17	231769	8285	36119	2536	30750	7991	4246	6624	778	825	9070	39256	378249
2015-16	121339	10085	33497	4712	25813	7808	6113	6178	633	0	10199	63639	290016

\* ASTM A131FH36

Page No. 51

**उत्पादन सारांश**  
**PRODUCTION SUMMARY**

**SPECIAL STEEL**

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	HR PLATE									HR SHEET					
	LPG	DMR SAILCOR	Cu-Bearing	HT Grades	IS2062 E250 B0	HSFQ/SAIL Forming	Gr C	Total	LPG	DMR SAILCOR	Cu-Bearing	ASTM A36	Total		
APR'19	122	773	0	5300	1474	0	0	16	7685	100	133	0	0	127	360
MAY	139	252	40	5938	1682	0	0	8	8059	96	20	0	0	0	116
JUN	0	20	593	2728	1049	0	0	0	4390	0	0	0	0	0	0
<b>1ST QTR.</b>	<b>261</b>	<b>1045</b>	<b>633</b>	<b>13966</b>	<b>4205</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>20134</b>	<b>196</b>	<b>153</b>	<b>0</b>	<b>0</b>	<b>127</b>	<b>476</b>
JULY	0	65	19	3700	2796	123	0	0	6703	229	0	29	0	0	258
AUG	99	131	169	4108	2485	0	0	0	6992	0	0	113	97	9	219
SEP	0	0	0	1423	952	0	0	0	2375	99	0	0	0	0	99
<b>2ND QTR.</b>	<b>99</b>	<b>196</b>	<b>188</b>	<b>9231</b>	<b>6233</b>	<b>123</b>	<b>0</b>	<b>0</b>	<b>16070</b>	<b>328</b>	<b>0</b>	<b>142</b>	<b>97</b>	<b>9</b>	<b>576</b>
OCT	137	70	648	1055	568	64	0	0	2542	72	50	0	0	0	122
NOV	62	0	529	3084	1164	30	19	0	4888	0	0	324	0	0	324
DEC	0	697	652	1585	636	0	21	79	3670	74	76	76	52	0	278
<b>3RD QTR.</b>	<b>199</b>	<b>767</b>	<b>1829</b>	<b>5724</b>	<b>2368</b>	<b>94</b>	<b>40</b>	<b>79</b>	<b>11100</b>	<b>146</b>	<b>126</b>	<b>400</b>	<b>52</b>	<b>0</b>	<b>724</b>
JAN'20	74	0	50	292	2580	0	0	49	3045	0	0	0	85	0	85
FEB	0	656	28	1452	3819	62	0	0	6017	105	70	30	26	0	231
MAR	0	884	0	2160	989	30	0	33	4096	81	276	0	0	0	357
<b>4TH QTR.</b>	<b>74</b>	<b>1540</b>	<b>78</b>	<b>3904</b>	<b>7388</b>	<b>92</b>	<b>0</b>	<b>82</b>	<b>13158</b>	<b>186</b>	<b>346</b>	<b>30</b>	<b>111</b>	<b>0</b>	<b>673</b>
<b>2019-20</b>	<b>633</b>	<b>3548</b>	<b>2728</b>	<b>32825</b>	<b>20194</b>	<b>309</b>	<b>40</b>	<b>185</b>	<b>60462</b>	<b>856</b>	<b>625</b>	<b>572</b>	<b>260</b>	<b>136</b>	<b>2449</b>
2018-19	1207	1493	1708	44354	14593	1921		233	65509	865	1041	82	728	-	2716
2017-18	901	1856	1185	22776	15375	3454		349	45896	563	355	1121	1852	-	3891
2016-17	1121	2208	3388	14342	17702	62		277	39100	815	550	301	1165	-	2831
2015-16	982	2088	2458	16934	11355	39		418	34274	1147	47	909	1599	-	3702

# उत्पादन आंश PRODUCTION SUMMARY

## SPECIAL STEEL

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	CR PRODUCTS						Total	SPECIAL SLAB	TOTAL SPECIAL STEEL
	SAILCOR	Cu-Bearing	CR4	IS 513 CR1 390/410/440	<=0.4 mm CR C/SH	<=0.4 mm GP/GC			
APR'19	0	0	0	0	11	0	11	0	39427
MAY	0	0	0	0	0	0	0	0	42205
JUN	18	0	0	124	70	0	212	0	37397
<b>1ST QTR.</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>124</b>	<b>81</b>	<b>0</b>	<b>223</b>	<b>0</b>	<b>119029</b>
JULY	0	0	0	0	0	0	0	0	37364
AUG	55	0	0	0	707	0	762	0	33176
SEP	0	0	0	20	1339	0	1359	0	17655
<b>2ND QTR.</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>2046</b>	<b>0</b>	<b>2121</b>	<b>0</b>	<b>88195</b>
OCT	0	61	0	61	305	0	427	0	22497
NOV	793	0	63	0	487	0	1343	0	21017
DEC	531	0	64	0	193	0	788	0	21393
<b>3RD QTR.</b>	<b>1324</b>	<b>61</b>	<b>127</b>	<b>61</b>	<b>985</b>	<b>0</b>	<b>2558</b>	<b>0</b>	<b>64907</b>
JAN'20	0	0	64	0	452	0	516	0	22062
FEB	0	0	0	0	337	0	337	0	33746
MAR	0	0	433	184	150	0	767	0	26121
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>497</b>	<b>184</b>	<b>939</b>	<b>0</b>	<b>1620</b>	<b>0</b>	<b>81929</b>
<b>2019-20</b>	<b>1397</b>	<b>61</b>	<b>624</b>	<b>389</b>	<b>4051</b>	<b>0</b>	<b>6522</b>	<b>0</b>	<b>354060</b>
2018-19	2051	0	1812	0	4280	2	8145	0	499655
2017-18	7300	680	2190	0	4423	0	14593	0	474079
2016-17	14817	80	4923	256	2564	0	22640	215	443035
2015-16	9920	1201	179	0	946	2	12248	2307	342547

# उत्पादन सारांश PRODUCTION SUMMARY

## BY PRODUCTS

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	Crude Tar	Amm. Sulphate	Sulphuric acid	Pressed Naphthalene	Total Pitch	Pitch Cresote Mixture	Hard Med. Pitch	Extra Hard Pitch	Crude Benzol	Tar Distilled	Wash Oil	RT-4 (Road Tar)	Granulated Slag		
													Cast House	SGP	Total
APR'19	9445	2890	2135	140	1610	2195	200	275	505	2928	115	0	99515	7774	107289
MAY	9666	3020	1440	110	1267	2065	0	25	405	2304	105	0	86600	10621	97221
JUN	9207	3070	2080	160	1822	2770	50	200	600	3312	130	0	101612	7462	109074
<b>1ST QTR.</b>	<b>28318</b>	<b>8980</b>	<b>5655</b>	<b>410</b>	<b>4699</b>	<b>7030</b>	<b>250</b>	<b>500</b>	<b>1510</b>	<b>8544</b>	<b>350</b>	<b>0</b>	<b>287727</b>	<b>25857</b>	<b>313584</b>
JULY	9605	2650	249	150	1716	2445	125	275	550	3120	125	0	95575	8138	103713
AUG	9650	3050	2035	180	2059	3025	150	250	290	3744	140	0	63815	4849	68664
SEP	8675	2450	2200	91	1056	1650	50	50	435	1920	70	0	71730	4862	76592
<b>2ND QTR.</b>	<b>27930</b>	<b>8150</b>	<b>4484</b>	<b>421</b>	<b>4831</b>	<b>7120</b>	<b>325</b>	<b>575</b>	<b>1275</b>	<b>8784</b>	<b>335</b>	<b>0</b>	<b>231120</b>	<b>17849</b>	<b>248969</b>
OCT	8690	2530	1041	60	686	1065	0	75	430	1248	45	0	67955	6747	74702
NOV	8425	2510	1950	160	1848	2650	175	275	410	3360	100	0	60834	6695	67529
DEC	8725	2530	2615	185	2112	3265	100	200	390	3840	90	0	80870	5941	86811
<b>3RD QTR.</b>	<b>25840</b>	<b>7570</b>	<b>5606</b>	<b>405</b>	<b>4646</b>	<b>6980</b>	<b>275</b>	<b>550</b>	<b>1230</b>	<b>8448</b>	<b>235</b>	<b>0</b>	<b>209659</b>	<b>19383</b>	<b>229042</b>
JAN'20	8880	2580	2450	120	1373	1970	200	150	445	2496	55	0	89215	2613	91828
FEB	8650	2450	2070	30	349	515	75	0	400	634	15	0	85853	1950	87803
MAR	9148	2470	1935	264	2983	4595	125	350	540	5424	90	0	92690	4641	97331
<b>4TH QTR.</b>	<b>26678</b>	<b>7500</b>	<b>6455</b>	<b>414</b>	<b>4705</b>	<b>7080</b>	<b>400</b>	<b>500</b>	<b>1385</b>	<b>8554</b>	<b>160</b>	<b>0</b>	<b>267758</b>	<b>9204</b>	<b>276962</b>
<b>2019-20</b>	<b>108766</b>	<b>32200</b>	<b>22200</b>	<b>1650</b>	<b>18881</b>	<b>28210</b>	<b>1250</b>	<b>2125</b>	<b>5400</b>	<b>34330</b>	<b>1080</b>	<b>0</b>	<b>996264</b>	<b>72293</b>	<b>1068557</b>
2018-19	102370	27250	19080	1975	22578	34295	1225	2175	6710	41050	1250	110	1055425	119002	1174427
2017-18	95000	27930	19060	2240	25619	38795	1600	2550	4120	46584	1020	320	812939	180246	993185
2016-17	85200	25650	9545	1960	21575	34000	1350	2500	3450	40995	710	450	560159	209268	769427
2015-16	96570	29000	11800	1550	17260	26800	350	2100	1600	32301	700	800	511992	236844	748836

# उत्पादन आंश PRODUCTION SUMMARY

## AUXILIARY UNITS

Unit - Tonne

Table No. 2.1 (Contd.)

PERIOD	RMP			FUEL GASES & ENERGY						
	Cal.Lime +10mm	Calcined Dolomite + 10 mm	Total	C.O.Gas (10 <sup>3</sup> m <sup>3</sup> )	B.F.Gas (10 <sup>3</sup> m <sup>3</sup> )	Oxygen (10 <sup>3</sup> m <sup>3</sup> )	Electricity(MWH)			
							T.P.P.	C.P.P.	TG-IX	Total
APR'19	19160	9600	28760	94198	620177	43517	29297.0	89853.5	7952.9	127103.4
MAY	18260	9110	27370	97766	609197	42336	47644.0	89154.5	8134.1	144932.6
JUN	16850	11040	27890	95120	619240	42789	56812.0	93723.5	7557.0	158092.5
<b>1ST QTR.</b>	<b>54270</b>	<b>29750</b>	<b>84020</b>	<b>287084</b>	<b>1848614</b>	<b>128642</b>	<b>133753.0</b>	<b>272731.5</b>	<b>23644.0</b>	<b>430128.5</b>
JULY	19205	10930	30135	98149	636553	44117	50463.0	88453.5	8771.5	147688.0
AUG	15620	8360	23980	98119	555474	40321	43971.0	86668.0	10100.8	140739.8
SEP	14025	7735	21760	88093	531393	41119	39204.0	76443.5	11538.3	127185.8
<b>2ND QTR.</b>	<b>48850</b>	<b>27025</b>	<b>75875</b>	<b>284361</b>	<b>1723420</b>	<b>125557</b>	<b>133638.0</b>	<b>251565.0</b>	<b>30410.6</b>	<b>415613.6</b>
OCT	15515	7635	23150	89303	539015	42329	37190.0	58913.0	10451.6	106554.6
NOV	13110	7385	20495	86385	523885	40418	38044.0	58439.0	8676.3	105159.3
DEC	16045	8085	24130	89177	549723	42183	38994.0	57312.0	10169.0	106475.0
<b>3RD QTR.</b>	<b>44670</b>	<b>23105</b>	<b>67775</b>	<b>264865</b>	<b>1612623</b>	<b>124930</b>	<b>114228.0</b>	<b>174664.0</b>	<b>29296.9</b>	<b>318188.9</b>
JAN'20	18150	10475	28625	90624	615132	44232	39030.0	59960.0	11632.0	110622.0
FEB	17490	10195	27685	88585	613063	35647	38940.0	55829.0	10162.0	104931.0
MAR	20385	10965	31350	94361	621713	36430	41117.0	55590.5	10295.0	107002.5
<b>4TH QTR.</b>	<b>56025</b>	<b>31635</b>	<b>87660</b>	<b>273570</b>	<b>1849908</b>	<b>116309</b>	<b>119087.0</b>	<b>171379.5</b>	<b>32089.0</b>	<b>322555.5</b>
<b>2019-20</b>	<b>203815</b>	<b>111515</b>	<b>315330</b>	<b>1109880</b>	<b>7034565</b>	<b>495438</b>	<b>500706.0</b>	<b>870340.0</b>	<b>115440.5</b>	<b>1486486.5</b>
2018-19	221275	125180	346455	1067310	7193717	490201	474682.0	648130.0	118924.2	1241736.2
2017-18	211270	114850	326120	1007956	6932170	500750	488416.0	741523.0	136702.7	1366641.7
2016-17	182720	111885	294605	917871	5793454	449185	390530.0	1165905.5	140956.6	1697392.1
2015-16	208140	100990	309130	1022549	6333936	482336	527738.0	1066222.5	122595.0	1716555.5



**उत्पादन सारांश**  
**PRODUCTION SUMMARY**

**AUXILIARY UNITS**

Table No. 2.1 (Contd.)

PERIOD	FUEL GASES & ENERGY				Air Blast (t)	Compressed Air (10 <sup>3</sup> m <sup>3</sup> )	D.M. Water (m <sup>3</sup> )	Na- cation Water (m <sup>3</sup> )
	Steam ( t )							
	TPP	CPP	Boiler#9	Total				
APR'19	312504	433992	164448	910944	613799	109728	189293	135975
MAY	337248	500880	161736	999864	639351	115008	185425	140800
JUN	404688	468216	185784	1058688	611839	109822	185115	131700
<b>1ST QTR.</b>	<b>1054440</b>	<b>1403088</b>	<b>511968</b>	<b>2969496</b>	<b>1864989</b>	<b>334558</b>	<b>559833</b>	<b>408475</b>
JULY	365208	512184	169680	1047072	666866	114463	184984	133955
AUG	329232	517848	175176	1022256	754966	116813	195254	138373
SEP	331368	449352	167064	947784	617917	109746	189150	123205
<b>2ND QTR.</b>	<b>1025808</b>	<b>1479384</b>	<b>511920</b>	<b>3017112</b>	<b>2039749</b>	<b>341022</b>	<b>569388</b>	<b>395533</b>
OCT	378816	327720	162984	869520	636197	114111	189530	140740
NOV	379440	442344	11952	833736	628617	113597	168261	117475
DEC	370968	454224	0	825192	635774	120330	174075	114444
<b>3RD QTR.</b>	<b>1129224</b>	<b>1224288</b>	<b>174936</b>	<b>2528448</b>	<b>1900588</b>	<b>348038</b>	<b>531866</b>	<b>372659</b>
JAN'20	355368	384024	99840	839232	628967	120205	181490	131195
FEB	331944	278064	169512	779520	591117	82207	169350	118989
MAR	353184	299952	171504	824640	627915	113012	177195	132905
<b>4TH QTR.</b>	<b>1040496</b>	<b>962040</b>	<b>440856</b>	<b>2443392</b>	<b>1847999</b>	<b>315424</b>	<b>528035</b>	<b>383089</b>
<b>2019-20</b>	<b>4249968</b>	<b>5068800</b>	<b>1639680</b>	<b>10958448</b>	<b>7653325</b>	<b>1339042</b>	<b>2189122</b>	<b>1559756</b>
2018-19	3587472	5243904	1101192	9932568	7923671	1356304	2214530	1663473
2017-18	3344270	5360040	1711968	10416278	8470376	1378795	2314544	1898945
2016-17	4280244	5549296	1893856	11723396	7329225	1306970	2225622	1724809
2015-16	4549128	5478964	1881240	11909332	7084512	978995	2596006	2419146

# उत्पादन सारांश PRODUCTION SUMMARY

AUXILIARY UNITS									
Unit - Tonne									
PERIOD	STRUCTURAL SHOP Structurals & Repair	MACHINE SHOP (Man M/C Hrs.)	FORGE SHOP	STEEL FOUNDRY	IRON COPPER FOUNDRY			I.M. FOUNDRY	
					N.F. Casting	C.I. Casting	Total	Ingot Mould	Bottom Plate
APR'19	729	29899	307	261	27.17	532.32	559.48	1879	1136
MAY	751	31656	243	266	27.65	590.87	618.52	1022	1064
JUN	732	31769	301	269	18.98	562.82	581.80	1075	834
<b>1ST QTR.</b>	<b>2212</b>	<b>93324</b>	<b>851</b>	<b>796</b>	<b>73.80</b>	<b>1686.01</b>	<b>1759.80</b>	<b>3976</b>	<b>3034</b>
JULY	740	31779	215	277	26.82	486.11	512.93	1343	937
AUG	727	31802	248	270	29.42	621.99	651.41	1584	1240
SEP	729	31852	180	248	21.18	325.80	346.98	1472	1158
<b>2ND QTR.</b>	<b>2196</b>	<b>95433</b>	<b>643</b>	<b>795</b>	<b>77.42</b>	<b>1433.90</b>	<b>1511.32</b>	<b>4399</b>	<b>3335</b>
OCT	731	31858	198	264	9.81	297.89	307.70	1601	1276
NOV	723	31866	248	272	16.17	538.40	554.57	1226	913
DEC	722	31875	215	256	17.12	543.54	560.66	922	506
<b>3RD QTR.</b>	<b>2176</b>	<b>95599</b>	<b>661</b>	<b>792</b>	<b>43.10</b>	<b>1379.83</b>	<b>1422.93</b>	<b>3749</b>	<b>2695</b>
JAN'20	721	31882	228	255	18.11	559.89	578.00	1324	1012
FEB	731	31889	301	250	15.21	295.85	311.06	879	825
MAR	730	31890	245	228	22.80	124.88	147.68	816	605
<b>4TH QTR.</b>	<b>2182</b>	<b>95661</b>	<b>774</b>	<b>733</b>	<b>56.12</b>	<b>980.62</b>	<b>1036.74</b>	<b>3019</b>	<b>2442</b>
<b>2019-20</b>	<b>8766</b>	<b>380017</b>	<b>2929</b>	<b>3116</b>	<b>250.44</b>	<b>5480.35</b>	<b>5730.78</b>	<b>15143</b>	<b>11506</b>
2018-19	8716	309157	3186	2965	277.97	6050.45	6328.42	13502	13189
2017-18	8688	319659	2588	3367	348.75	6263.72	6612.47	13887	13489
2016-17	8710	318801	2802	4858	310.95	6992.59	7303.53	8552	5531
2015-16	9062	318279	3297	5005	338.87	7490.88	7829.76	22434	18634

प्रेषण सारांश  
DESPATCH SUMMARY

MAIN PRODUCTS		Unit - Tonne											Table No. 2.2 (Contd.)
PERIOD	Pig Iron	SALEABLE STEEL											Saleable Steel
		Ingot Prime	Slab	Thick Plate	HR Coil	HR Plate	HR Sheet	CR Coil/ Slit Coil	CR Sheet	GP Coil	GP Sheet	GC Sheet	
APR'19	13804	0	0	644	174017	33704	9484	73125	573	8436	606	77	300666
MAY	8241	0	0	1289	158921	31583	8426	73590	0	9769	1447	84	285109
JUN	8248	0	0	685	164466	29702	8723	76106	702	7563	547	244	288738
<b>1ST QTR.</b>	<b>30293</b>	<b>0</b>	<b>0</b>	<b>2618</b>	<b>497404</b>	<b>94989</b>	<b>26633</b>	<b>222821</b>	<b>1275</b>	<b>25768</b>	<b>2600</b>	<b>405</b>	<b>874513</b>
JULY	8150	0	0	638	168932	29296	7000	70043	774	5893	444	192	283212
AUG	5511	0	0	557	153168	31592	7365	78817	93	4919	484	131	277126
SEP	11019	0	0	1024	143992	24312	7328	74518	463	3284	806	25	255752
<b>2ND QTR.</b>	<b>24680</b>	<b>0</b>	<b>0</b>	<b>2219</b>	<b>466092</b>	<b>85200</b>	<b>21693</b>	<b>223378</b>	<b>1330</b>	<b>14096</b>	<b>1734</b>	<b>348</b>	<b>816090</b>
OCT	8004	0	0	769	140587	18078	5094	63028	347	1304	222	0	229429
NOV	16355	0	0	487	157104	29395	7192	81223	1454	2765	1048	161	280829
DEC	6424	0	0	2327	187955	34522	8675	91001	790	1653	566	11	327500
<b>3RD QTR.</b>	<b>30783</b>	<b>0</b>	<b>0</b>	<b>3583</b>	<b>485646</b>	<b>81995</b>	<b>20961</b>	<b>235252</b>	<b>2591</b>	<b>5722</b>	<b>1836</b>	<b>172</b>	<b>837758</b>
JAN'20	10318	0	0	972	191410	30389	8680	96223	687	3557	400	0	332318
FEB	5431	0	0	661	188586	26777	9509	69251	315	3675	2038	13	300825
MAR	0	0	0	615	138165	20318	5611	58051	63	4717	96	67	227703
<b>4TH QTR.</b>	<b>15749</b>	<b>0</b>	<b>0</b>	<b>2248</b>	<b>518161</b>	<b>77484</b>	<b>23800</b>	<b>223525</b>	<b>1065</b>	<b>11949</b>	<b>2534</b>	<b>80</b>	<b>860846</b>
<b>2019-20</b>	<b>101505</b>	<b>0</b>	<b>0</b>	<b>10668</b>	<b>1967303</b>	<b>339668</b>	<b>93087</b>	<b>904976</b>	<b>6261</b>	<b>57535</b>	<b>8704</b>	<b>1005</b>	<b>3389207</b>
2018-19	79408	0	14301	12090	1931463	372616	98833	959451	16347	116248	16996	1173	3539518
2017-18	18459	0	27793	17567	1958211	345761	106382	920662	17990	98770	12701	901	3506738
2016-17	57318	457	147053	25672	1860652	424107	95858	678274	15139	87617	16581	4225	3355635
2015-16	40651	9144	103536	18726	1813724	336653	102105	347742	13608	60650	19346	3606	2828840

**प्रेषण आंश**  
**DESPATCH SUMMARY**

**SECONDARY PRODUCTS**

Unit - Tonne

Table No. 2.2

PERIOD	Hard Coke	Mixed Coke	Breeze Coke	Hard Medium Pitch	Extra Hard Pitch	Amm. Sulphate	Crude Tar	H.P. Naph- thalene	Crude Benzol	Granulated Slag (SGP+CH)	LD Slag
APR'19	0	0	0	86	141	1859	1164	149	894	89786	1716
MAY	0	0	367	98	156	2911	1512	114	301	97330	1835
JUN	0	0	58	131	88	3490	587	59	253	102099	1783
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>425</b>	<b>315</b>	<b>385</b>	<b>8260</b>	<b>3263</b>	<b>322</b>	<b>1448</b>	<b>289215</b>	<b>5334</b>
JULY	0	0	0	29	166	3548	1412	214	228	93421	669
AUG	0	0	0	58	150	3594	2340	108	988	90509	1287
SEP	0	0	0	30	114	2706	2436	199	482	96840	1108
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117</b>	<b>430</b>	<b>9848</b>	<b>6188</b>	<b>521</b>	<b>1698</b>	<b>280770</b>	<b>3064</b>
OCT	2584	0	43	73	135	2344	2958	49	526	96511	1100
NOV	0	0	91	105	165	2595	958	149	55	84857	1431
DEC	0	0	67	135	195	2779	3002	174	472	79961	1786
<b>3RD QTR.</b>	<b>2584</b>	<b>0</b>	<b>201</b>	<b>313</b>	<b>495</b>	<b>7718</b>	<b>6918</b>	<b>372</b>	<b>1053</b>	<b>261329</b>	<b>4317</b>
JAN'20	0	0	92	249	208	1658	3152	148	620	99488	211
FEB	0	3506	134	202	129	3220	797	49	216	94989	1440
MAR	0	3088	33	30	200	885	607	148	441	92503	1355
<b>4TH QTR.</b>	<b>0</b>	<b>6594</b>	<b>259</b>	<b>481</b>	<b>537</b>	<b>5763</b>	<b>4556</b>	<b>345</b>	<b>1277</b>	<b>286980</b>	<b>3006</b>
<b>2019-20</b>	<b>2584</b>	<b>6594</b>	<b>885</b>	<b>1226</b>	<b>1847</b>	<b>31589</b>	<b>20925</b>	<b>1560</b>	<b>5476</b>	<b>1118294</b>	<b>15721</b>
2018-19	2549	13133	1167	1182	2128	25900	12914	2068	6348	1112105	13979
2017-18	9354	144316	849	1646	2485	26445	4457	2185	3811	980569	6652
2016-17	109608	35596	650	1414	2371	26088	7545	1935	3539	775121	10995
2015-16	33501	19773	935	171	1942	29451	22137	1531	1787	812328	7042

## उत्पादों की लब्धि YIELD OF PRODUCTS

Table No. 2.3 (Contd.)

PERIOD	FROM DRY COAL CHARGED						FROM TAR DIST.					
	Gross Coke (%)	B.F. Coke (%)	C.O. Gas (m <sup>3</sup> /t)	Crude Tar (Kg/t)	Amm. Sulphate (Kg/t)	Crude Benzol (Kg/T)	HP Naphthalene (%)	Wash Oil (%)	HM Pitch (%)	EH Pitch (%)	Road Tar (%)	PCM (%)
APR'19	75.00	69.00	319.1	32.00	9.79	3.42	4.78	3.93	6.83	9.39	0.00	74.97
MAY	75.00	69.00	323.7	32.00	10.00	2.68	4.77	4.56	0.00	1.09	0.00	89.63
JUN	75.00	69.00	325.5	31.51	10.51	4.11	4.83	3.93	1.51	6.04	0.00	83.64
<b>1ST QTR.</b>	<b>75.00</b>	<b>69.00</b>	<b>322.8</b>	<b>31.84</b>	<b>10.10</b>	<b>3.40</b>	<b>4.80</b>	<b>4.10</b>	<b>2.93</b>	<b>5.85</b>	<b>0.00</b>	<b>82.28</b>
JULY	75.00	69.00	325.1	31.81	8.78	3.64	4.81	4.01	4.01	8.81	0.00	78.37
AUG	75.00	69.00	325.4	32.00	10.11	1.92	4.81	3.74	4.01	6.68	0.00	80.80
SEP	75.00	69.00	325.3	32.03	9.05	3.21	4.74	3.65	2.60	2.60	0.00	85.94
<b>2ND QTR.</b>	<b>75.00</b>	<b>69.00</b>	<b>325.3</b>	<b>31.95</b>	<b>9.31</b>	<b>2.93</b>	<b>4.79</b>	<b>3.81</b>	<b>3.70</b>	<b>6.55</b>	<b>0.00</b>	<b>81.06</b>
OCT	75.00	69.00	326.8	31.80	9.26	3.15	4.81	3.61	0.00	6.01	0.00	85.34
NOV	75.00	69.00	327.7	31.96	9.52	3.11	4.76	2.98	5.21	8.18	0.00	78.87
DEC	75.00	69.00	327.0	31.99	9.28	2.86	4.82	2.34	2.60	5.21	0.00	85.03
<b>3RD QTR.</b>	<b>75.00</b>	<b>69.00</b>	<b>327.2</b>	<b>31.92</b>	<b>9.35</b>	<b>3.04</b>	<b>4.79</b>	<b>2.78</b>	<b>3.26</b>	<b>6.51</b>	<b>0.00</b>	<b>82.62</b>
JAN'20	75.00	69.00	326.2	31.96	9.29	3.20	4.81	2.20	8.01	6.01	0.00	78.93
FEB	75.00	69.00	325.1	31.74	8.99	2.94	4.73	2.37	11.83	0.00	0.00	81.23
MAR	75.00	69.00	325.0	31.51	8.51	3.72	4.87	1.66	2.30	6.45	0.00	84.72
<b>4TH QTR.</b>	<b>75.00</b>	<b>69.00</b>	<b>325.4</b>	<b>31.74</b>	<b>8.93</b>	<b>3.29</b>	<b>4.84</b>	<b>1.87</b>	<b>4.68</b>	<b>5.85</b>	<b>0.00</b>	<b>82.77</b>
<b>2019-20</b>	<b>75.00</b>	<b>69.00</b>	<b>325.1</b>	<b>31.86</b>	<b>9.43</b>	<b>3.16</b>	<b>4.81</b>	<b>3.15</b>	<b>3.64</b>	<b>6.19</b>	<b>0.00</b>	<b>82.17</b>
2018-19	75.00	69.00	318.7	30.56	8.14	4.01	4.81	3.05	2.98	5.30	0.27	83.54
2017-18	74.63	69.00	313.7	29.57	8.69	2.56	4.81	2.19	3.43	5.47	0.69	83.28
2016-17	74.00	68.76	316.9	29.42	8.86	2.38	4.78	1.65	3.13	5.79	1.04	78.79
2015-16	74.00	68.50	313.1	29.56	9.90	6.00	4.80	2.06	1.03	6.18	2.35	78.82

# उत्पादों की लब्धि YIELD OF PRODUCTS

Table No. 2.3 (Contd.)

	Unit - %								
	SINTER PLANT	BLAST FURNACE			SMS & CCS			Slab	HR Coil +
	From Input (%) Gross Sinter	From Hot Metal (Kg/T)			Ingot Steel	CC Slab	Crude Steel	From	Thick plate
		BF Gas(m3)	Slag	Flue Dust	from Gross Steel	from Liquid Steel	from Met.Charge	Ingot Rolling	From Slab Rolling
APR'19	72.46	1715	375	12	98.88	98.62	88.72	87.3	96.6
MAY	73.21	1716	376	10	98.23	98.58	88.68	87.3	96.6
JUN	73.24	1720	376	13	98.22	98.56	88.72	87.3	96.6
<b>1ST QTR.</b>	<b>72.98</b>	<b>1717</b>	<b>376</b>	<b>12</b>	<b>98.42</b>	<b>98.59</b>	<b>88.70</b>	<b>87.3</b>	<b>96.6</b>
JULY	71.33	1720	386	9	98.30	98.48	88.75	87.3	96.6
AUG	71.16	1729	393	7	98.50	98.35	88.71	87.3	96.6
SEP	71.84	1728	402	6	99.12	98.53	88.88	87.3	96.6
<b>2ND QTR.</b>	<b>71.45</b>	<b>1725</b>	<b>393</b>	<b>7</b>	<b>98.53</b>	<b>98.46</b>	<b>88.78</b>	<b>87.3</b>	<b>96.6</b>
OCT	72.24	1722	403	6	97.41	98.52	88.79	87.3	96.6
NOV	72.28	1723	397	7	98.83	98.54	88.89	87.3	96.6
DEC	72.39	1723	395	9	94.38	98.56	88.88	87.3	96.6
<b>3RD QTR.</b>	<b>72.31</b>	<b>1723</b>	<b>398</b>	<b>8</b>	<b>97.21</b>	<b>98.54</b>	<b>88.85</b>	<b>87.3</b>	<b>96.6</b>
JAN'20	74.30	1723	396	9	97.72	98.56	88.74	87.3	96.6
FEB	74.31	1720	396	10	97.68	98.54	88.72	87.3	96.6
MAR	73.48	1722	397	10	98.32	98.56	88.72	87.3	96.6
<b>4TH QTR.</b>	<b>74.02</b>	<b>1722</b>	<b>396</b>	<b>10</b>	<b>97.93</b>	<b>98.55</b>	<b>88.73</b>	<b>87.3</b>	<b>96.6</b>
<b>2019-20</b>	<b>72.65</b>	<b>1722</b>	<b>391</b>	<b>9</b>	<b>98.22</b>	<b>98.54</b>	<b>88.76</b>	<b>87.3</b>	<b>96.6</b>
2018-19	74.34	1709	377	10	98.19	98.61	88.90	87.3	96.6
2017-18	75.93	1713	380	11	97.52	98.61	88.87	87.3	96.6
2016-17	74.88	1699	377	17	98.06	98.67	88.82	87.3	96.6
2015-16	72.21	1712	379	15	97.82	98.62	88.89	87.3	96.5

# उत्पादों की लब्धि YIELD OF PRODUCTS

Unit - %

Table No. 2.3

PERIOD	H.R. COIL TO								FROM REDUCED COIL TO					CR Coil To CR Sheet	
	HR Plate/ Sheet	Pickled Coil PL I/II	Reduced Coil TM I/II	C.R. Coil CRM I/II	Galv. Coil	Reduced Coil PLTCM	C.R. Coil CRM III	CR Saleable		CR Coil			Galv. Coil		
								CRM I/II	CRM III	SPM I/II	SPM III	DCR	CRM I/II		CRM III
APR'19	98.18	97.25	97.00	88.19	83.05	91.29	88.21	87.27	88.21	90.92	96.63	86.95	85.18	-	89.83
MAY	98.18	97.30	96.83	88.16	84.51	93.61	89.44	87.36	89.44	91.05	95.55	91.04	86.92	-	89.22
JUN	98.18	97.33	96.64	87.54	82.36	94.26	90.42	86.37	90.42	90.58	95.92	83.50	84.92	-	90.55
<b>1ST QTR.</b>	<b>98.18</b>	<b>97.29</b>	<b>96.84</b>	<b>87.98</b>	<b>83.42</b>	<b>93.28</b>	<b>89.55</b>	<b>87.04</b>	<b>89.55</b>	<b>90.86</b>	<b>96.01</b>	<b>86.83</b>	<b>85.78</b>	-	<b>90.30</b>
JULY	98.18	97.03	96.15	87.89	82.52	93.41	89.20	86.76	89.20	91.41	95.49	83.64	85.71	-	89.52
AUG	98.18	97.31	96.49	86.64	82.06	94.00	90.04	85.94	90.04	89.79	95.79	84.43	84.81	-	91.18
SEP	98.19	97.31	96.70	87.42	82.49	94.56	89.98	86.90	89.98	90.40	95.15	83.91	84.91	-	90.53
<b>2ND QTR.</b>	<b>98.18</b>	<b>97.20</b>	<b>96.41</b>	<b>87.30</b>	<b>82.45</b>	<b>93.98</b>	<b>89.74</b>	<b>86.53</b>	<b>89.74</b>	<b>90.54</b>	<b>95.49</b>	<b>84.02</b>	<b>85.28</b>	-	<b>90.28</b>
OCT	98.18	97.28	96.84	88.51	-	94.99	91.07	88.65	91.07	91.40	95.87	88.71	-	-	90.91
NOV	98.18	97.17	97.03	88.57	82.12	94.83	91.23	87.85	91.23	91.29	96.21	81.09	84.23	-	90.48
DEC	98.18	97.37	97.26	90.82	87.76	94.82	90.75	90.46	90.75	93.37	95.71	92.35	89.64	-	90.00
<b>3RD QTR.</b>	<b>98.18</b>	<b>97.27</b>	<b>97.03</b>	<b>89.26</b>	<b>84.60</b>	<b>94.87</b>	<b>91.00</b>	<b>88.84</b>	<b>91.00</b>	<b>91.99</b>	<b>95.92</b>	<b>86.71</b>	<b>86.76</b>	-	<b>90.40</b>
JAN'20	98.18	97.09	97.00	90.44	81.58	94.08	90.93	89.92	90.96	93.24	96.65	92.14	83.40	97.80	-
FEB	98.18	97.15	97.10	90.23	87.61	94.43	90.84	89.88	91.08	92.93	96.20	84.83	89.72	98.27	90.48
MAR	98.18	96.59	96.35	89.64	88.22	93.76	90.07	89.57	90.41	93.04	96.06	92.01	90.25	98.30	-
<b>4TH QTR.</b>	<b>98.18</b>	<b>97.00</b>	<b>96.88</b>	<b>90.16</b>	<b>86.36</b>	<b>94.10</b>	<b>90.61</b>	<b>89.84</b>	<b>90.81</b>	<b>93.06</b>	<b>96.30</b>	<b>90.73</b>	<b>88.43</b>	<b>98.25</b>	<b>90.48</b>
<b>2019-20</b>	<b>98.18</b>	<b>97.21</b>	<b>96.77</b>	<b>88.60</b>	<b>83.69</b>	<b>94.10</b>	<b>90.27</b>	<b>87.89</b>	<b>90.34</b>	<b>91.55</b>	<b>95.93</b>	<b>86.18</b>	<b>86.08</b>	<b>98.25</b>	<b>90.32</b>
2018-19	98.19	97.38	96.99	89.28	85.73	94.22	90.50	88.40	90.50	92.05	96.05	86.91	88.19	98.10	89.25
2017-18	98.16	97.51	97.19	89.54	86.71	93.28	89.13	88.73	89.13	92.13	95.54	85.60	88.93	-	88.89
2016-17	98.18	97.32	96.80	89.73	87.33	92.43	89.38	88.97	89.38	92.70	96.70	86.52	90.13	-	88.66
2015-16	98.18	97.14	96.96	93.45	90.42	89.88	85.33	92.59	85.33	96.38	94.94	93.23	93.15	-	90.62

कच्चे माल की खपत  
CONSUMPTION OF RAW MATERIALS

Table No. 2.4(Contd.)

PERIOD	Unit - Tonne													
	DRY COAL	MIDDLING COAL			IRON ORE		LIME STONE			DOLOMITE			BF Quarz -ite	
	Coke Ovens	T.P.P.	C.P.P.	Boiler#9	Total	Lump at BF	Fines at S.P.	Sinter Plant	SMS	R.M.P.	at Sinter Plant	Lump at RMP		Chips at S.M.S.
APR'19	295200	28383	80427	30298	139108	216898	332279	51567	0	40236.0	41676	21120	5957	280
MAY	302026	16535	100932	29887	147354	218122	351190	50433	0	38346.0	47992	20042	4829	537
JUN	292228	28043	91331	33011	152385	225132	361141	53000	0	35385.0	47844	24288	4473	98
<b>1ST QTR.</b>	<b>889454</b>	<b>72961</b>	<b>272690</b>	<b>93196</b>	<b>438847</b>	<b>660152</b>	<b>1044610</b>	<b>155000</b>	<b>0</b>	<b>113967.0</b>	<b>137512</b>	<b>65450</b>	<b>15259</b>	<b>914</b>
JULY	301903	21456	101558	30742	153756	184123	402495	61289	0	40330.5	67800	24046	4934	181
AUG	301535	19184	101449	32724	153357	158351	358895	54779	0	32802.0	61759	18392	4143	14
SEP	270805	15115	87261	32647	135023	146634	381259	58800	0	29452.5	64929	17017	4631	38
<b>2ND QTR.</b>	<b>874243</b>	<b>55755</b>	<b>290268</b>	<b>96113</b>	<b>442136</b>	<b>489108</b>	<b>1142649</b>	<b>174868</b>	<b>0</b>	<b>102585.0</b>	<b>194488</b>	<b>59455</b>	<b>13708</b>	<b>233</b>
OCT	273265	18214	61143	32472	111829	158540	346883	64919	0	32581.5	54509	16797	4604	7
NOV	263610	18610	77536	2047	98193	162736	308161	58200	0	27531.0	48620	16247	4754	196
DEC	272711	16149	82106	0	98255	170715	340285	62637	0	33694.5	55708	17787	4904	1143
<b>3RD QTR.</b>	<b>809586</b>	<b>52973</b>	<b>220785</b>	<b>34519</b>	<b>308277</b>	<b>491991</b>	<b>995329</b>	<b>185756</b>	<b>0</b>	<b>93807.0</b>	<b>158837</b>	<b>50831</b>	<b>14262</b>	<b>1346</b>
JAN'20	277816	12513	67041	17437	96991	202813	334266	61001	0	38115.0	44834	23045	5956	638
FEB	272486	10496	48492	30306	89294	212854	322253	58846	0	36729.0	43298	22429	5535	255
MAR	290342	15901	52292	33819	102012	202247	336926	61194	0	42808.5	45482	24123	5680	628
<b>4TH QTR.</b>	<b>840644</b>	<b>38910</b>	<b>167825</b>	<b>81562</b>	<b>288297</b>	<b>617914</b>	<b>993445</b>	<b>181041</b>	<b>0</b>	<b>117652.5</b>	<b>133614</b>	<b>69597</b>	<b>17170</b>	<b>1521</b>
<b>2019-20</b>	<b>3413927</b>	<b>220599</b>	<b>951568</b>	<b>305390</b>	<b>1477557</b>	<b>2259165</b>	<b>4176033</b>	<b>696665</b>	<b>0</b>	<b>428011.5</b>	<b>624451</b>	<b>245333</b>	<b>60399</b>	<b>4015</b>
2018-19	3349445	351832	964376	196109	1512317	2262439	4398040	580227	7	464677.5	560788	275396	79484	4647
2017-18	3213242	414739	947606	319814	1682159	2087801	4160725	513187	3944	443667.0	478015	252670	62247	1573
2016-17	2895992	555961	1032497	340909	1929367	1662326	3605843	393325	5378	383712.5	400804	246147	52766	3494
2015-16	3266380	543136	1008675	355633	1907444	1967372	3613258	324831	494	437094.0	559587	222178	56077	3355



# भामखी की खपत CONSUMPTION OF MATERIALS

Unit - Tonne

Table No. 2.4

PERIOD	AT STEEL MELTING SHOP & CCS										AT CCS							
	Fe-Mn (HC)	Fe-Mn (MC)	Fe-Si	Si-Mn	Alu- minium	Fe-Nb	Fe-P	Fe-Cr	Fe-V	Copper	Fe-B	Fe-Ti	Alu- mina	Ca-Si	Ca-Fe	Casting Powder	Graphite Electrode	Pouring Refractory
APR'19	1571	114	142	1109	696	2.8	0.0	0.0	5.2	22.5	3.9	0.4	25	150	53	200	46	79
MAY	1426	129	125	1240	658	4.4	0.0	0.0	8.4	14.2	2.3	2.8	21	137	42	169	42	78
JUN	1377	143	107	1078	710	4.8	10.5	15.7	9.4	15.5	5.0	2.7	17	177	44	182	44	78
<b>1ST QTR.</b>	<b>4374</b>	<b>386</b>	<b>374</b>	<b>3426</b>	<b>2064</b>	<b>12.0</b>	<b>10.5</b>	<b>15.7</b>	<b>22.9</b>	<b>52.2</b>	<b>11.2</b>	<b>6.0</b>	<b>63</b>	<b>465</b>	<b>139</b>	<b>551</b>	<b>131</b>	<b>235</b>
JULY	1521	94	93	1247	735	4.1	0.0	0.0	9.7	19.2	4.6	1.5	33	204	38	196	50	81
AUG	1246	81	112	1234	639	1.5	8.0	11.4	3.6	22.0	2.1	0.0	11	142	38	172	42	77
SEP	1109	81	107	1116	660	2.1	0.0	0.0	4.6	6.0	1.5	3.0	10	160	25	184	49	77
<b>2ND QTR.</b>	<b>3876</b>	<b>256</b>	<b>311</b>	<b>3597</b>	<b>2033</b>	<b>7.7</b>	<b>8.0</b>	<b>11.4</b>	<b>17.9</b>	<b>47.2</b>	<b>8.2</b>	<b>4.5</b>	<b>53</b>	<b>506</b>	<b>101</b>	<b>552</b>	<b>141</b>	<b>235</b>
OCT	1507	111	122	1228	676	3.6	21.5	29.3	7.1	23.8	2.7	1.0	0	186	22	175	49	77
NOV	1384	48	107	970	653	1.1	11.5	17.1	2.4	18.5	2.1	0.5	0	170	27	205	45	77
DEC	1677	78	135	777	677	1.6	0.0	0.0	3.5	2.3	1.1	2.0	0	184	25	196	42	78
<b>3RD QTR.</b>	<b>4568</b>	<b>237</b>	<b>364</b>	<b>2975</b>	<b>2006</b>	<b>6.2</b>	<b>33.0</b>	<b>46.4</b>	<b>12.9</b>	<b>44.6</b>	<b>5.9</b>	<b>3.5</b>	<b>0</b>	<b>539</b>	<b>74</b>	<b>576</b>	<b>135</b>	<b>232</b>
JAN'20	1449	115	114	1217	695	3.9	0.0	0.0	8.7	0.0	3.3	3.0	9	180	31	206	44	78
FEB	1495	199	103	1274	681	4.6	0.0	0.0	8.3	12.5	3.2	5.1	8	196	49	204	38	77
MAR	1488	125	114	1404	705	3.2	0.0	0.0	7.7	15.0	3.7	1.9	0	196	49	190	39	78
<b>4TH QTR.</b>	<b>4432</b>	<b>439</b>	<b>331</b>	<b>3895</b>	<b>2082</b>	<b>11.8</b>	<b>0.0</b>	<b>0.0</b>	<b>24.7</b>	<b>27.5</b>	<b>10.2</b>	<b>10.0</b>	<b>17</b>	<b>572</b>	<b>128</b>	<b>600</b>	<b>122</b>	<b>233</b>
<b>2019-20</b>	<b>17249</b>	<b>1317</b>	<b>1379</b>	<b>13893</b>	<b>8185</b>	<b>37.6</b>	<b>51.5</b>	<b>73.5</b>	<b>78.4</b>	<b>171.4</b>	<b>35.4</b>	<b>23.9</b>	<b>133</b>	<b>2082</b>	<b>441</b>	<b>2279</b>	<b>529</b>	<b>935</b>
2018-19	14728	2177	1431	13009	8294	51.5	69.5	118.1	91.3	249.4	40.3	24.0	442	1568	385	2130	510	930
2017-18	12262	1620	1225	15136	7393	52.2	94.8	147.9	69.9	199.7	35.3	47.5	535	1435	263	1946	425	948
2016-17	11793	1763	1364	10843	7149	56.0	133.7	217.2	44.6	190.6	40.5	78.0	400	1060	261	1742	321	824
2015-16	14364	1304	1174	12920	6805	41.1	70.2	122.6	38.8	138.8	26.5	70.0	279	1182	118	1710	353	691

अर्न्तप्रक्रिया माल की खपत  
CONSUMPTION OF INTER PROCESS MATERIALS

Table No. 2.5

PERIOD	Unit - Tonne																
	B.F.			HOT METAL AT			PIG IRON AT		SCRAP AT			Ingot at SI.Mill	Slab at HSM	H.R. COIL AT		C.R. COIL AT	
	Coke (Dry) at B.F.	Coke Breeze at S.P.	Sinter at B.F.	PCM	SMS	IMF	ICF	SMS	BF	SMS	SF			HRCF	CRM	SSL	Slit. Lines
									Iron+	Steel	Steel						
APR'19	176454	28278	396034	9238	333816	3711	551	278	3606	34874	220	43783	329628	46900	89105	59	1858
MAY	174331	29891	389574	16435	320513	3623	602	156	2884	31990	238	59595	303822	39697	101068	464	1051
JUN	178186	30736	390615	17294	325550	2333	582	236	4702	32483	295	50731	316018	35237	95270	2105	1496
<b>1ST QTR.</b>	<b>528971</b>	<b>88905</b>	<b>1176223</b>	<b>42967</b>	<b>979879</b>	<b>9667</b>	<b>1734</b>	<b>670</b>	<b>11192</b>	<b>99347</b>	<b>753</b>	<b>154109</b>	<b>949468</b>	<b>121834</b>	<b>285443</b>	<b>2628</b>	<b>4405</b>
JULY	185200	34346	441918	11945	340306	3079	482	86	4296	34593	265	47095	321826	40778	95633	477	987
AUG	169158	30626	378082	15982	290292	4079	663	0	3466	28487	282	35926	286709	36802	90295	238	1742
SEP	154029	32534	375536	7202	285346	3638	317	142	4438	27927	224	37561	214939	29926	77345	581	1666
<b>2ND QTR.</b>	<b>508387</b>	<b>97506</b>	<b>1195536</b>	<b>35129</b>	<b>915944</b>	<b>10796</b>	<b>1462</b>	<b>228</b>	<b>12200</b>	<b>91007</b>	<b>771</b>	<b>120582</b>	<b>823474</b>	<b>107506</b>	<b>263273</b>	<b>1296</b>	<b>4395</b>
OCT	155530	30454	377479	4168	293644	3660	300	146	1698	28260	253	26216	296207	29359	80978	44	2067
NOV	149972	27876	346995	8397	281270	2883	556	0	580	26894	253	7502	306617	35118	91082	1271	1155
DEC	154367	32047	363629	6603	298010	2120	571	306	7727	29160	124	8123	315053	36811	82079	320	1681
<b>3RD QTR.</b>	<b>459869</b>	<b>90377</b>	<b>1088103</b>	<b>19168</b>	<b>872924</b>	<b>8663</b>	<b>1427</b>	<b>452</b>	<b>10005</b>	<b>84314</b>	<b>630</b>	<b>41841</b>	<b>917877</b>	<b>101288</b>	<b>254139</b>	<b>1635</b>	<b>4903</b>
JAN'20	173872	32029	395865	13011	328842	3591	588	54	3416	33233	203	26442	308237	33494	82316	0	1654
FEB	178201	31757	385317	14047	326851	2519	319	0	2970	33538	256	32887	313385	33560	92654	21	147
MAR	179241	33057	390306	15345	330476	1998	144	0	4396	33931	256	35877	294925	30401	71772	0	57
<b>4TH QTR.</b>	<b>531314</b>	<b>96843</b>	<b>1171488</b>	<b>42403</b>	<b>986169</b>	<b>8108</b>	<b>1052</b>	<b>54</b>	<b>10782</b>	<b>100702</b>	<b>714</b>	<b>95206</b>	<b>916547</b>	<b>97455</b>	<b>246742</b>	<b>21</b>	<b>1858</b>
<b>2019-20</b>	<b>2028541</b>	<b>373631</b>	<b>4631350</b>	<b>139667</b>	<b>3754916</b>	<b>37234</b>	<b>5674</b>	<b>1404</b>	<b>44179</b>	<b>375370</b>	<b>2868</b>	<b>411738</b>	<b>3607366</b>	<b>428083</b>	<b>1049597</b>	<b>5580</b>	<b>15561</b>
2018-19	1971907	356217	4789334	91606	3915464	40014	6470	3300	60205	393364	3337	404620	3846193	501776	1211612	19301	22265
2017-18	1902064	320326	4620412	60947	3780250	37620	6807	2701	37954	373117	3340	383216	3712120	469289	1137863	20350	27768
2016-17	1638259	322045	3949365	30645	3222087	17235	7333	5438	74316	323294	4671	183206	3458646	533724	899816	18059	28829
2015-16	1836607	315652	3868863	34995	3456607	53956	7631	880	75410	358564	5159	547584	2597973	431482	496974	13599	13117

मुख्य तकनो - आर्थिक सूचकांक  
MAJOR TECHNO-ECONOMIC INDICES

Table No. 2.6(Contd.)

PERIOD	HEAT CONSUMPTION(G.CAL/T)						POWER CONSUMPTION(KWH/T)							
	Dry Coal Charged at C.O.	Gross Sinter	Hot Metal at B.F.	Slab at R.H. Furnace	Annealed Coil		B.F. Coke	Gross Sinter	Hot Metal	HR Coil +TP at HSM	HR Plate/Sheet	CR Saleable		Saleable Steel
					CRM I/II	CRM III						CRM I/II	CRM III	
<b>Best Achieved Till 2019-20</b>	<b>0.500</b> (72-73)	<b>0.024</b> (04-05)	<b>0.573</b> (05-06)	<b>0.416</b> (19-20)	<b>0.328</b> (09-10)	<b>0.351</b> (19-20)	<b>22.60</b> (82-83)	<b>43.43</b> (16-17)	<b>21.35</b> (05-06)	<b>69.30</b> (95-96)	<b>13.98</b> (91-92)	<b>131.59</b> (16-17)	<b>230.41</b> (19-20)	<b>403.47</b> (16-17)
APR'19	0.672	0.034	0.595	0.418	0.631	0.376	26.78	46.23	27.12	77.93	19.63	211.67	280.59	465.60
MAY	0.671	0.034	0.597	0.460	0.661	0.392	26.66	48.24	27.32	82.19	23.22	222.06	312.73	513.49
JUN	0.669	0.036	0.599	0.444	0.680	0.388	27.06	46.26	28.01	84.34	26.81	243.48	232.36	513.65
<b>1ST QTR.</b>	<b>0.671</b>	<b>0.035</b>	<b>0.597</b>	<b>0.440</b>	<b>0.656</b>	<b>0.386</b>	<b>26.83</b>	<b>46.91</b>	<b>27.48</b>	<b>81.43</b>	<b>22.88</b>	<b>224.84</b>	<b>272.52</b>	<b>496.98</b>
JULY	0.697	0.039	0.603	0.405	0.719	0.390	25.61	41.73	26.73	79.39	24.73	241.06	281.10	533.28
AUG	0.721	0.040	0.610	0.422	0.718	0.386	26.40	44.22	30.72	92.77	27.31	266.81	248.92	549.56
SEP	0.707	0.040	0.588	0.404	0.713	0.388	28.83	44.38	29.25	96.46	31.66	259.40	225.66	617.41
<b>2ND QTR.</b>	<b>0.708</b>	<b>0.040</b>	<b>0.601</b>	<b>0.411</b>	<b>0.717</b>	<b>0.388</b>	<b>26.88</b>	<b>43.39</b>	<b>28.79</b>	<b>88.50</b>	<b>27.54</b>	<b>255.35</b>	<b>250.92</b>	<b>562.99</b>
OCT	0.696	0.042	0.587	0.412	0.664	0.332	29.82	46.30	28.91	86.22	31.25	320.17	236.52	547.03
NOV	0.685	0.042	0.570	0.398	0.632	0.321	28.51	47.07	29.68	79.70	24.43	220.64	227.99	478.30
DEC	0.678	0.041	0.579	0.397	0.629	0.318	28.88	44.88	29.62	80.90	24.52	263.25	210.17	468.32
<b>3RD QTR.</b>	<b>0.686</b>	<b>0.042</b>	<b>0.579</b>	<b>0.402</b>	<b>0.641</b>	<b>0.323</b>	<b>29.08</b>	<b>46.05</b>	<b>29.40</b>	<b>82.21</b>	<b>26.44</b>	<b>263.14</b>	<b>224.14</b>	<b>495.81</b>
JAN'20	0.675	0.041	0.578	0.399	0.628	0.316	28.60	43.76	27.11	86.34	27.21	310.88	198.04	504.32
FEB	0.680	0.041	0.577	0.405	0.615	0.312	26.49	43.21	26.51	80.69	27.64	283.54	184.23	464.63
MAR	0.681	0.042	0.579	0.420	0.621	0.314	26.24	43.52	24.64	89.09	30.26	316.83	184.45	524.25
<b>4TH QTR.</b>	<b>0.679</b>	<b>0.041</b>	<b>0.578</b>	<b>0.408</b>	<b>0.621</b>	<b>0.314</b>	<b>27.10</b>	<b>43.50</b>	<b>26.08</b>	<b>85.29</b>	<b>28.31</b>	<b>303.06</b>	<b>188.59</b>	<b>496.99</b>
<b>2019-20</b>	<b>0.686</b>	<b>0.039</b>	<b>0.589</b>	<b>0.416</b>	<b>0.660</b>	<b>0.351</b>	<b>27.44</b>	<b>44.92</b>	<b>27.87</b>	<b>84.23</b>	<b>26.13</b>	<b>256.67</b>	<b>230.41</b>	<b>511.85</b>
2018-19	0.709	0.031	0.597	0.489	0.539	0.386	28.22	44.08	25.01	77.19	21.56	187.70	291.03	472.04
2017-18	0.733	0.030	0.583	0.509	0.601	-	29.21	43.71	24.46	78.70	22.34	180.84	251.10	459.32
2016-17	0.714	0.029	0.580	0.456	0.414	-	32.10	43.43	28.20	79.49	21.32	176.99	-	403.47
2015-16	0.658	0.030	0.583	0.463	0.427	-	28.35	45.93	28.04	84.02	27.00	257.88	-	544.01

**मुख्य तकनी - आर्थिक सूचकांक**  
**MAJOR TECHNO-ECONOMIC INDICES**

Table No. 2.6

PERIOD	Sinter M/C Productivity (t/m <sup>2</sup> /Hr)	Coke Rate at B.F. (Kg/tHM)	CDI Rate at B.F. (Kg/tHM)	BF Pdvty. On Work. Vol. (t/m <sup>3</sup> /day)	Coal to Hot Metal Ratio (With CDI) (08-09)	Gross Metallic Input (Kg/TCS) (07-08)	IM + BP Consump- tion (Kg/t I.S.) (75-76)	Yield of CR Saleable from HR Coil (%) (14-15)	Water Conspn. (M <sup>3</sup> /TCS) (19-20)	Overall Refractory Conspn. (Kg/TCS) (17-18)	Overall Energy Cons./TCS (G.Cal) (19-20)
<b>Best Achieved Till 2019-20</b>	<b>1.260 (76-77)</b>	<b>468 (18-19)</b>	<b>59 (18-19)</b>	<b>1.699 (19-20)</b>	<b>0.911 (08-09)</b>	<b>1132 (07-08)</b>	<b>26.00 (75-76)</b>	<b>92.68 (14-15)</b>	<b>3.44 (19-20)</b>	<b>10.96 (17-18)</b>	<b>6.669 (19-20)</b>
APR'19	1.068	488	56	1.652	0.935	1139.6	64.29	87.57	3.46	8.67	6.667
MAY	1.014	491	57	1.614	0.961	1139.4	62.39	88.09	3.48	16.75	6.669
JUN	1.081	495	62	1.661	0.971	1139.6	67.52	88.04	3.46	11.66	6.668
<b>1ST QTR.</b>	<b>1.053</b>	<b>491</b>	<b>59</b>	<b>1.642</b>	<b>0.956</b>	<b>1139.6</b>	<b>64.60</b>	<b>87.94</b>	<b>3.47</b>	<b>12.30</b>	<b>6.668</b>
JULY	1.100	500	46	1.640	0.975	1139.5	63.62	87.76	3.48	12.28	6.667
AUG	1.128	527	19	1.555	0.995	1139.6	66.81	87.84	3.45	13.33	6.670
SEP	1.153	501	38	1.816	0.994	1139.4	59.44	88.33	3.44	8.88	6.669
<b>2ND QTR.</b>	<b>1.126</b>	<b>509</b>	<b>35</b>	<b>1.660</b>	<b>0.987</b>	<b>1139.5</b>	<b>64.37</b>	<b>87.96</b>	<b>3.46</b>	<b>11.55</b>	<b>6.669</b>
OCT	1.110	497	47	1.776	0.990	1139.4	59.66	89.83	3.42	16.07	6.671
NOV	1.059	493	56	1.786	0.987	1139.3	66.08	89.36	3.42	10.34	6.672
DEC	1.219	484	60	1.818	0.946	1139.4	60.97	90.61	3.42	9.59	6.671
<b>3RD QTR.</b>	<b>1.128</b>	<b>491</b>	<b>54</b>	<b>1.793</b>	<b>0.974</b>	<b>1139.4</b>	<b>61.21</b>	<b>89.88</b>	<b>3.42</b>	<b>12.01</b>	<b>6.671</b>
JAN'20	1.165	487	58	1.685	0.945	1139.3	46.62	90.50	3.43	9.63	6.670
FEB	1.192	500	39	1.723	0.954	1139.5	58.31	90.53	3.41	9.86	6.666
MAR	1.157	496	47	1.748	0.946	1139.5	72.25	90.07	3.44	9.74	6.668
<b>4TH QTR.</b>	<b>1.171</b>	<b>494</b>	<b>48</b>	<b>1.718</b>	<b>0.949</b>	<b>1139.4</b>	<b>60.44</b>	<b>90.39</b>	<b>3.43</b>	<b>9.74</b>	<b>6.668</b>
<b>2019-20</b>	<b>1.118</b>	<b>496</b>	<b>49</b>	<b>1.699</b>	<b>0.966</b>	<b>1139.5</b>	<b>63.14</b>	<b>89.02</b>	<b>3.44</b>	<b>11.38</b>	<b>6.669</b>
2018-19	1.100	468	59	1.620	0.929	1139.5	65.28	89.05	3.50	11.10	6.677
2017-18	1.089	470	50	1.697	0.922	1139.5	79.13	88.86	3.94	10.96	6.681
2016-17	1.084	480	46	1.679	0.935	1139.6	69.88	89.10	4.15	11.78	6.688
2015-16	1.031	496	44	1.656	0.938	1139.9	68.98	92.59	4.21	12.55	6.692

**प्राक्मभन की तिथियाँ**  
**COMMISSIONING DATES**

Table No. 2.7 (Contd.)

UNIT	DATE	UNIT	DATE
<b>COKE OVEN &amp; BY-PRODUCT PLANT</b>			
Battery No. 1	29.03.1977	CDI System in BF-5	05.07.2005
Battery No. 2	27.06.1976	Slag Granulation Plant	26.07.1979
Battery No. 3	18.10.1973	CH Slag Granulation in BF-5 (CH-10)	29.12.1995
Battery No. 4	09.09.1972	CH Slag Granulation in BF-4	10.02.2007
Battery No. 5	29.07.1981	<b>STEEL MELTING SHOP NO. 1</b>	
Battery No. 6	28.12.1982	Converter 'D'	31.01.1974
Battery No. 7	23.02.1985	Converter 'C'	04.04.1974
Battery No. 8	01.09.1993	Converter 'E'	27.04.1976
Electrostatic Tar Precipitator No. 1	19.05.1977	Converter 'B'	27.10.1977
Tar Distillation Plant	11.03.1980	Converter 'A'	30.12.1978
Pyridine Recovery Unit	15.05.1978	SCB Technology in Converter 'A'	18.02.1990
Wash Oil Regeneration Unit	29.11.1979	<b>STEEL MELTING SHOP NO. 2</b>	
Naphtha Extraction Unit of TDP	23.04.1980	Converter No. 1	03.06.1983
Benzol Rectification Plant	29.12.1986	Converter No. 2	21.02.1984
Benzol Recovery and Distillation Unit	08.08.1987	Shop No. 2	01.01.1985
<b>SULPHURIC ACID PLANT</b>		SRU of CCS Complex	19.09.1997
Unit No. 1	13.02.1978	C.C.S. - Caster-I	25.11.1997
Unit No. 2	25.01.1980	C.C.S. Caster - II	24.03.1998
<b>SINTERING PLANT</b>		Ladle Furnace 1	08.09.1997
Machine No. 1	19.09.1972	Ladle Furnace 2	21.12.2010
Machine No. 2	12.10.1977	<b>SLABBING MILL</b>	
Machine No. 3	15.06.1982	Soaking Pit No. 1	09.12.1974
<b>BLAST FURNACE</b>		Soaking Pit No. 2	11.03.1975
Blast Furnace No. 1	03.10.1972	Soaking Pit No. 3	21.06.1976
Blast Furnace No. 2	12.04.1976	Soaking Pit No. 4	11.10.1976
Blast Furnace No. 3	26.02.1978	Soaking Pit No. 5	14.07.1980
Blast Furnace No. 4	27.05.1981	Soaking Pit No. 6	04.11.1980
Blast Furnace No. 5	09.06.1985	Soaking Pit No. 7	24.10.1981
CTI System in BF-1	08.02.2005	Soaking Pit No. 8	19.11.1981
CDI System in BF-2	10.12.2010	Soaking Pit No. 9	01.02.1985
CDI System in BF-3	02.08.2010	Soaking Pit No. 10	01.02.1985
CDI System in BF-4	15.12.1998	Soaking Pit No. 11	06.04.1989
		Soaking Pit No. 12	22.09.1990
		Slabbing Mill	30.12.1974

# प्राक्मञ्चन की तिथियाँ

## COMMISSIONING DATES

Table No. 2.7 (Contd.)

UNIT	DATE	UNIT	DATE
<b>HOT STRIP MILL</b>		<b>COLD ROLLED COIL FINISHING</b>	
Reheating Furnace No. 1	17.10.1975	Shearing Line No. 1	31.01.1978
Reheating Furnace No. 2	06.04.1978	Shearing Line No. 2	01.09.1977
Reheating Furnace No. 3	08.09.1984	Shearing Line No. 3	29.01.1988
Modernisation of RH Fce-3	16.01.2000	Slitting Line	06.12.1977
Reheating Furnace No. 4(Trial Run)	30.11.1996	Slitting Line- (Exp. Stage)	15.12.1988
Roughing Group	02.11.1975	Off Gauge Shearing Line	27.04.1978
Finishing Group	10.12.1975	Ammonia Cracking Line	22.07.1987
Additional Coil Yard	29.11.1986	<b>COLD ROLLING MILL-III</b>	
Hydraulic Coiler in HSM(Coiler-4)	27.11.1997	PLTCM	24.08.2015
Modernisation of Coiler-3	18.07.1998	BAF(Group A)	13.08.2015
Modernisation of Coiler-2	03.02.1999	BAF(Group B)	29.06.2016
Modernisation of Coiler-1	29.01.2000	RGBS	14.08.2015
<b>HOT ROLLED COIL FINISHING</b>		HGP(Skid No.2)	29.10.2015
Shearing Line No. 1	18.01.1976	ARP # 3	17.07.2015
Shearing Line No. 2	15.09.1976	Compressed Air Station	06.06.2014
Off Gauge Shearing Line	31.05.1976	Skin Pass Mill	20.10.2016
Slitting Line	16.10.1976	<b>SCRAP &amp; SALVAGE DEPARTMENT</b>	
<b>COLD ROLLING MILL</b>		Scrap Bursting Yard	18.06.1978
4-Stand Tandem Mill	28.12.1976	Hydraulic Bailing Press	16.12.1976
5-Stand Tandem Mill	26.05.1989	<b>REFRACTORY MATERIAL PLANT</b>	
Annealing Furnace (1st & 2nd Group)	02.06.1977	Kiln No.1 (Dolomite)	29.01.1974
C.R.M. Complex	17.06.1977	Kiln No. 2 (Lime)	10.12.1973
Annealing Furnace (3rd Group)	01.03.1981	Kiln No. 3 (Lime)	25.06.1975
Annealing Furnace (4th Group)	30.03.1982	Kiln No. 4 (Lime)	22.12.1976
Annealing Furnace (Exp. Stage)	30.06.1987	Kiln No. 5 (Lime)	26.04.1978
Skin Pass Mill (Exp. Stage)	11.05.1988	Kiln No. 6 (Lime)	11.02.1988
Hot Dip Galvanising Line	18.02.1990	Kiln No. 7 (Lime)	29.12.1986
HCL Regeneration Plant	12.05.1991	Brick Plant	08.04.1974
D.C.R. Mill	24.09.1991		

# प्रारम्भन की तिथियाँ

## COMMISSIONING DATES

Table No. 2.7

UNIT	DATE	UNIT	DATE
<b>OXYGEN PLANT</b>		<b>T.P.P.</b>	
ASU No. 1	03.03.1976	Turbo Generator No. 1	26.12.1974
ASU No. 2	02.12.1973	Turbo Generator No. 2	13.07.1972
ASU No. 3	02.02.1978	Turbo Generator No. 3	30.10.1973
ASU No. 4	05.07.1979		
ASU No. 5	14.11.1988	Boiler No. 1	17.04.1972
Oxygen Filling Station	14.02.1972	Boiler No. 2	23.08.1972
Liquid Oxygen Tank	31.12.1986	Boiler No. 3	06.06.1974
Gaseous Oxygen storage System	04.11.1987	Boiler No. 4	27.06.1978
Acetylene Plant	01.04.1972	Boiler No. 5	23.06.1980
Nitrogen Argon Compressor Plant	18.02.1990		
BOO Oxygen Plant	13.12.2008	<b>C.P.P.</b>	
<b>AUXILIARY SHOPS</b>		Boiler No. 6	14.11.1985
Structural Shop	27.12.1969	Boiler No. 7	30.07.1988
Machine Shop	17.09.1970	Boiler No. 8	19.02.1989
Forge Shop	17.06.1972	<b>Boiler No. 9</b>	02.09.2014
		Turbo Generator No. 6	27.01.1986
<b>FOUNDRIES</b>		Turbo Generator No. 7	16.09.1988
Non-Ferrous	01.12.1972	Turbo Generator No. 8	31.03.1989
Cast Iron(Induction Furnace)	05.07.1974	<b>Turbo Generator No. 9</b>	30.07.2014
Ingot Mould(Bottom Plate Section)	23.05.1975	Electro Static Precipitator Complex	10.02.2001
Ingot Mould (Ingot Mould Section)	27.09.1975		
Steel Foundry	14.01.1975	Oil Effluent Treatment Plant	02.10.1991





कीर्तिमान - 2019-20  
RECORDS - 2019-20



Unit : Tonne

Table No. 3.1

ITEMS	PRESENT	PREVIOUS
<b><u>PRODUCTION</u></b>		
<b><u>DAILY RECORDS</u></b>		
Hot metal production: 3 furnace operation	11,605 (20.09.19)	11,577 (28.03.17)
: BF#1	3,950 (17.03.20)	3,765 (06.03.20)
<b><u>MONTHLY RECORDS</u></b>		
Hot Metal production: BF#5	1,07,461 (Oct'19)	1,06,835 (Jan'18)
CR Saleable (CRM -III)	50,641 (Mar'20)	45,127 (Feb'20)
Granulated Slag (CHSGP)	1,01,612 (June'19)	99,515 (Apr'19)
Granulated Slag (Total)	1,09,074 (June'19)	1,08,432 (Mar'19)
Power Generated (MW)	219.6 (June'19)	215.0 (Mar'17)
<b><u>ANNUAL RECORDS</u></b>		
Hot Metal Production : BF#2	14,03,142 (2019-20)	13,87,690 (2014-15)
: BF#5	11,45,604 (2019-20)	10,99,434 (2015-16)
<b><u>TECHNO-ECONOMIC INDICES</u></b>		
<b><u>MONTHLY RECORDS</u></b>		
Coke Rate : BF # 1	479 (Mar'20)	487 (Feb'06)
<b><u>ANNUAL RECORDS</u></b>		
Blast Furnace Productivity ( T/m3/Day)	1.699 (2019-20)	1.697 (2017-18)
Specific Energy Consumption (G.Cal/TCS)	6.669 (2019-20)	6.677 (2018-19)
Water Consumption ( M3/TCS)	3.44 (2019-20)	3.50 (2018-19)

## शर्वोत्तम निष्पादन BEST PERFORMANCE

### PRODUCTION - MAIN UNITS

Table No. 3.2 (Contd.)

	Oven Pushing		Gross Coke		BF Coke		Gross Sinter		Hot Metal 4 Fce.	
	Nos.	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	16170	1987	254747	1987	222139	1987	514047	2007	364365	2014
MAY	16687	1988	265681	1988	224600	1987	537103	2007	363679	2014
JUN	15945	1987	251182	1987	219030	1987	480247	2019	366354	2014
<b>1ST QTR.</b>	<b>48467</b>	<b>1987-88</b>	<b>765823</b>	<b>1988-89</b>	<b>665769</b>	<b>1987-88</b>	<b>1472412</b>	<b>2007-08</b>	<b>1094398</b>	<b>2014-15</b>
JULY	16227	1988	259407	1988	218678	1992	536660	2019	370089	2019
AUG	15955	1992	251412	1988	215931	1992	553420	2018	360046	2018
SEP	16019	1996	247926	1996	214762	1996	508345	2019	360843	2017
<b>2ND QTR.</b>	<b>47484</b>	<b>1992-93</b>	<b>753482</b>	<b>1988-89</b>	<b>643870</b>	<b>1992-93</b>	<b>1523532</b>	<b>2019-20</b>	<b>1056184</b>	<b>2014-15</b>
<b>1ST SIX MONTH</b>	<b>95539</b>	<b>1988-89</b>	<b>1519305</b>	<b>1988-89</b>	<b>1306092</b>	<b>1987-88</b>	<b>2945328</b>	<b>2018-19</b>	<b>2150582</b>	<b>2014-15</b>
OCT	16840	1996	260633	1996	226784	1996	547822	2005	367059	2017
NOV	16210	1987	255451	1987	222753	1987	518061	2006	358115	2018
DEC	17354	1987	272082	1987	237256	1987	526944	2006	365088	2018
<b>3RD QTR.</b>	<b>50016</b>	<b>1987-88</b>	<b>786729</b>	<b>1987-88</b>	<b>686028</b>	<b>1987-88</b>	<b>1571389</b>	<b>2005-06</b>	<b>1070269</b>	<b>2003-04</b>
JAN	17417	1988	273037	1988	238088	1988	543796	2018	393653	2018
FEB	15873	1987	250209	1987	218183	1987	504311	1994	356432	2020
MAR	17624	1987	277758	1987	242205	1987	538890	2007	402341	2014
<b>4TH QTR.</b>	<b>50799</b>	<b>1986-87</b>	<b>800509</b>	<b>1986-87</b>	<b>698044</b>	<b>1986-87</b>	<b>1577217</b>	<b>1993-94</b>	<b>1097769</b>	<b>2013-14</b>
<b>2ND SIX MONTH</b>	<b>99399</b>	<b>1987-88</b>	<b>1562673</b>	<b>1987-88</b>	<b>1355715</b>	<b>1987-88</b>	<b>3042270</b>	<b>1993-94</b>	<b>2157168</b>	<b>2017-18</b>
MONTH	17624	MAR'87	277758	MAR'87	242205	MAR'87	553420	AUG'18	402341	Mar'14
QUARTER	50799	Q4(86-87)	800509	Q4(86-87)	698044	Q4(86-87)	1577217	Q4(93-94)	1097769	Q4(13-14)
SIX MONTH	99399	H2(87-88)	1562673	H2(87-88)	1355715	H2(87-88)	3042270	H2(93-94)	2157168	H2(17-18)
ANNUAL	194490	1987-88	3060488	1987-88	2661807	1987-88	5942830	2005-06	4253271	2014-15

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## PRODUCTION - MAIN UNITS

Table No. 3.2 (Contd.)

	Hot Metal 5 Fce.		Pig Iron		Ingot Steel(SMS-I)		Cast Slab		Crude Steel	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	402037	2007	67002	1973	162349	1995	283691	2019	358835	2005
MAY	416761	2007	75674	1976	166771	1994	307169	2018	362578	2007
JUN	360015	2007	74940	1980	156742	1994	275268	2018	336030	2014
<b>1ST QTR.</b>	<b>1178813</b>	<b>2007-08</b>	<b>188787</b>	<b>1980-81</b>	<b>475848</b>	<b>1995-96</b>	<b>860791</b>	<b>2018-19</b>	<b>1019030</b>	<b>2005-06</b>
JULY	405215	2005	74107	1976	166864	1995	290286	2019	360550	2005
AUG	393308	2005	75851	1976	161580	2000	304251	2018	348652	2005
SEP	385885	2007	78352	1980	160699	1996	296365	2017	352940	2007
<b>2ND QTR.</b>	<b>1180634</b>	<b>2005-06</b>	<b>226058</b>	<b>1976-77</b>	<b>470473</b>	<b>2000-01</b>	<b>841109</b>	<b>2018-19</b>	<b>1059382</b>	<b>2005-06</b>
<b>1ST SIX MONTH</b>	<b>2333389</b>	<b>2005-06</b>	<b>403609</b>	<b>1976-77</b>	<b>927239</b>	<b>1995-96</b>	<b>1701900</b>	<b>2018-19</b>	<b>2078412</b>	<b>2005-06</b>
OCT	415051	2005	64800	1980	170247	1994	306550	2017	386406	2005
NOV	407156	2006	70835	1987	164689	1982	298005	2017	369600	2006
DEC	422000	2006	68752	1974	180718	1995	285568	2019	375550	2006
<b>3RD QTR.</b>	<b>1239673</b>	<b>2006-07</b>	<b>183605</b>	<b>1974-75</b>	<b>495967</b>	<b>1995-96</b>	<b>860087</b>	<b>2017-18</b>	<b>1103560</b>	<b>2006-07</b>
JAN	410019	2006	66323	1981	177882	1996	310316	2018	370023	2006
FEB	367805	2008	66590	1984	167624	1982	284109	2020	335767	2008
MAR	436067	2007	76955	1986	180682	1995	303570	2019	387166	2007
<b>4TH QTR.</b>	<b>1207397</b>	<b>2006-07</b>	<b>197323</b>	<b>1985-86</b>	<b>512163</b>	<b>1982-83</b>	<b>862957</b>	<b>2017-18</b>	<b>1075634</b>	<b>2004-05</b>
<b>2ND SIX MONTH</b>	<b>2447070</b>	<b>2006-07</b>	<b>364315</b>	<b>1974-75</b>	<b>1000642</b>	<b>1982-83</b>	<b>1723044</b>	<b>2017-18</b>	<b>2170250</b>	<b>2006-07</b>
MONTH	436067	MAR'07	78352	SEP'80	180718	DEC'95	310316	JAN'18	387166	MAR'07
QUARTER	1239673	Q3(06-07)	226058	Q2(76-77)	512163	Q4(82-83)	862957	Q4(17-18)	1103560	Q3(06-07)
SIX MONTH	2447070	H2(06-07)	403609	H1(76-77)	1000642	H2(82-83)	1723044	H2(17-18)	2170250	H2(06-07)
ANNUAL	4706517	2005-06	729782	1980-81	1903122	1995-96	3393576	2018-19	4227781	2005-06

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## PRODUCTION - MAIN UNITS

Table No. 3.2 (Contd.)

	Ingot Rolled		Rolled Slab		HR Coil(Total)		HR Plate/Sheet		PLTCM		SPM III	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	284443	1996	249281	1997	315508	2019	73869	1992	34140	2018	27288	2019
MAY	295919	1995	258976	1995	316005	2005	73069	1992	37362	2019	30272	2019
JUN	266195	1995	233032	1995	303036	2019	71290	1992	38239	2019	34110	2019
<b>1ST QTR.</b>	<b>835982</b>	<b>1995-96</b>	<b>731623</b>	<b>1995-96</b>	<b>920133</b>	<b>2005-06</b>	<b>218228</b>	<b>1992-93</b>	<b>100309</b>	<b>2019-20</b>	<b>91670</b>	<b>2019-20</b>
JULY	294531	1994	255274	1994	328590	2016	71210	1991	34559	2018	35120	2019
AUG	299521	1996	262062	1996	367205	2008	74724	1993	42841	2019	38642	2019
SEP	293736	1995	257019	1995	341737	2008	72654	1993	33801	2017	37170	2017
<b>2ND QTR.</b>	<b>868854</b>	<b>1994-95</b>	<b>756862</b>	<b>1994-95</b>	<b>977095</b>	<b>2007-08</b>	<b>218510</b>	<b>1993-94</b>	<b>110377</b>	<b>2019-20</b>	<b>108734</b>	<b>2019-20</b>
<b>1ST SIX MONTH</b>	<b>1653633</b>	<b>1993-94</b>	<b>1439096</b>	<b>1995-96</b>	<b>1816309</b>	<b>2018-19</b>	<b>419322</b>	<b>1993-94</b>	<b>210686</b>	<b>2019-20</b>	<b>200404</b>	<b>2019-20</b>
OCT	319205	1995	279297	1995	365236	2007	71353	1996	36240	2019	33475	2017
NOV	304843	1995	266740	1995	326231	2006	72984	1995	46976	2019	37585	2019
DEC	334250	1995	292426	1995	332348	2018	73154	1995	43003	2019	40557	2019
<b>3RD QTR.</b>	<b>958298</b>	<b>1995-96</b>	<b>838463</b>	<b>1995-96</b>	<b>1014379</b>	<b>2007-08</b>	<b>215792</b>	<b>1995-96</b>	<b>126219</b>	<b>2019-20</b>	<b>111079</b>	<b>2019-20</b>
JAN	324508	1996	283978	1996	326725	2006	74067	1996	40803	2020	39872	2020
FEB	283455	1995	248035	1995	323020	2019	70584	1992	46237	2020	38526	2020
MAR	319117	1995	280044	1995	351101	2007	77614	1992	44138	2020	40947	2020
<b>4TH QTR.</b>	<b>916569</b>	<b>1994-95</b>	<b>802798</b>	<b>1994-95</b>	<b>976581</b>	<b>2006-07</b>	<b>218902</b>	<b>1991-92</b>	<b>131178</b>	<b>2019-20</b>	<b>119345</b>	<b>2019-20</b>
<b>2ND SIX MONTH</b>	<b>1866037</b>	<b>1995-96</b>	<b>1632819</b>	<b>1995-96</b>	<b>1966934</b>	<b>2006-07</b>	<b>432630</b>	<b>1991-92</b>	<b>257397</b>	<b>2019-20</b>	<b>230424</b>	<b>2019-20</b>
MONTH	334250	DEC'95	292426	DEC'95	367205	AUG'08	77614	MAR'92	46976	Nov'19	40947	MAR'20
QUARTER	958298	Q3(95-96)	838463	Q3(95-96)	1014379	Q3(07-08)	218902	Q4(91-92)	131178	Q4(19-20)	119345	Q4(19-20)
SIX MONTH	1866037	H2(95-96)	1632819	H2(95-96)	1966934	H2(06-07)	432630	H2(91-92)	257397	H2(19-20)	230424	H2(19-20)
ANNUAL	3510224	1995-96	3071915	1995-96	3686103	2018-19	844546	1991-92	468083	2019-20	430828	2019-20

**शर्वोत्तम निष्पादन**  
**BEST PERFORMANCE**

**PRODUCTION - MAIN UNITS**

Table No. 3.2 (Contd.)

	Pickling Line-I		Pickling Line-II		Pickling Line-I & II		Tandem Mill-I		Tandem Mill-II		Tandem Mill-I & II	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	56779	1996	43454	2000	100005	2000	58410	2000	37663	1994	94687	2000
MAY	54810	1996	42279	2000	94135	2000	59746	1996	40961	2000	96279	2000
JUN	57157	2000	41691	2000	98848	2000	57768	2000	38741	1999	93601	2000
<b>1ST QTR.</b>	<b>165564</b>	<b>2000-01</b>	<b>127424</b>	<b>2000-01</b>	<b>292988</b>	<b>2000-01</b>	<b>171496</b>	<b>2000-01</b>	<b>113071</b>	<b>2000-01</b>	<b>284567</b>	<b>2000-01</b>
JULY	58020	1993	42789	2000	94557	1999	57397	1993	40647	2000	91796	2000
AUG	59054	1993	43711	2000	102560	2000	64828	1995	40733	2000	101380	1996
SEP	63497	2000	42994	2000	106491	2000	65272	2000	37453	2000	102725	2000
<b>2ND QTR.</b>	<b>171416</b>	<b>1995-96</b>	<b>129494</b>	<b>2000-01</b>	<b>299893</b>	<b>2000-01</b>	<b>177967</b>	<b>1995-96</b>	<b>118833</b>	<b>2000-01</b>	<b>294688</b>	<b>2000-01</b>
<b>1ST SIX MONTH</b>	<b>335963</b>	<b>2000-01</b>	<b>256918</b>	<b>2000-01</b>	<b>592881</b>	<b>2000-01</b>	<b>347351</b>	<b>2000-01</b>	<b>231904</b>	<b>2000-01</b>	<b>579255</b>	<b>2000-01</b>
OCT	63459	2000	44671	1996	108049	2000	69807	2000	38134	1996	106931	2000
NOV	60628	1991	41543	2002	99180	2000	65499	1991	36490	2002	92452	2000
DEC	63070	1995	45012	1995	108082	1995	64487	1995	40393	1995	104880	1995
<b>3RD QTR.</b>	<b>181956</b>	<b>2000-01</b>	<b>127459</b>	<b>2000-01</b>	<b>309415</b>	<b>2000-01</b>	<b>193509</b>	<b>2000-01</b>	<b>111067</b>	<b>1996-97</b>	<b>302524</b>	<b>2000-01</b>
JAN	64945	1996	48001	2001	108961	2001	63007	2006	40879	1999	102808	2001
FEB	56618	1996	39348	1997	92898	1996	56986	1996	34651	1996	91637	1996
MAR	65050	1996	46515	1996	111565	1996	65240	1996	44019	1996	109259	1996
<b>4TH QTR.</b>	<b>186613</b>	<b>1995-96</b>	<b>126943</b>	<b>2000-01</b>	<b>311304</b>	<b>1995-96</b>	<b>185212</b>	<b>1995-96</b>	<b>117143</b>	<b>1995-96</b>	<b>302355</b>	<b>1995-96</b>
<b>2ND SIX MONTH</b>	<b>362430</b>	<b>1995-96</b>	<b>254402</b>	<b>2000-01</b>	<b>607793</b>	<b>1995-96</b>	<b>365537</b>	<b>1995-96</b>	<b>220334</b>	<b>1995-96</b>	<b>585871</b>	<b>1995-96</b>
MONTH	65050	MAR'96	48001	JAN'01	111565	MAR'96	69807	OCT'00	44019	MAR'96	109259	MAR'96
QUARTER	186613	Q4(95-96)	129494	Q2(00-01)	311304	Q4(95-96)	193509	Q3(00-01)	118833	Q2(00-01)	302524	Q3(00-01)
SIX MONTH	362430	H2(95-96)	256918	H1(00-01)	607793	H2(95-96)	365537	H2(95-96)	231904	H1(00-01)	585871	H2(95-96)
ANNUAL	672867	2000-01	511320	2000-01	1184187	2000-01	708187	2000-01	450593	2000-01	1158780	2000-01

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## PRODUCTION - MAIN UNITS

Table No. 3.2 (Contd.)

	Cont. Annealing		S.P.M.-I		S.P.M.-II		S.P.M.-I & II		HDGL		DCR	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	10900	2005	44931	1991	28866	1996	68003	1996	15038	2006	13699	2005
MAY	8664	2000	46022	1993	29376	1996	67199	1996	16835	2000	13428	2005
JUN	9872	2000	47775	1993	23120	1994	62002	2000	15385	2003	14540	2000
<b>1ST QTR.</b>	<b>26019</b>	<b>2005-06</b>	<b>131035</b>	<b>1991-92</b>	<b>80622</b>	<b>1996-97</b>	<b>187211</b>	<b>1996-97</b>	<b>45851</b>	<b>2000-01</b>	<b>40064</b>	<b>2005-06</b>
JULY	10801	2001	48546	1991	27126	1995	65016	1995	15573	2001	15307	2001
AUG	9221	2002	47791	1992	30259	1996	75005	1996	17216	2006	15831	2004
SEP	8661	2000	55274	1991	30243	1995	68029	2000	16564	2000	13603	2000
<b>2ND QTR.</b>	<b>24703</b>	<b>2000-01</b>	<b>147291</b>	<b>1991-92</b>	<b>86479</b>	<b>1995-96</b>	<b>197968</b>	<b>1995-96</b>	<b>45000</b>	<b>2000-01</b>	<b>42297</b>	<b>2004-05</b>
<b>1ST SIX MONTH</b>	<b>50543</b>	<b>2000-01</b>	<b>278326</b>	<b>1991-92</b>	<b>162596</b>	<b>1996-97</b>	<b>368706</b>	<b>1996-97</b>	<b>90851</b>	<b>2000-01</b>	<b>76343</b>	<b>2000-01</b>
OCT	9315	1998	59379	1991	31080	1996	71633	2000	16729	2006	13394	2002
NOV	9704	2002	55771	1991	29462	1996	66202	2000	17272	2006	15485	2002
DEC	9379	1998	56604	1991	30613	2000	72003	1995	17578	2002	13711	2000
<b>3RD QTR.</b>	<b>26953</b>	<b>2002-03</b>	<b>171754</b>	<b>1991-92</b>	<b>90189</b>	<b>1996-97</b>	<b>206084</b>	<b>2000-01</b>	<b>49381</b>	<b>2006-07</b>	<b>40513</b>	<b>2000-01</b>
JAN	9388	2003	52163	1992	31101	1997	72138	1996	18365	2007	16629	2003
FEB	8098	2003	46503	1991	27592	1996	67006	1996	17200	2004	13744	2005
MAR	9656	2005	54014	1991	26770	1996	72001	1996	17583	2005	17009	2005
<b>4TH QTR.</b>	<b>24446</b>	<b>2002-03</b>	<b>148122</b>	<b>1992-93</b>	<b>84456</b>	<b>1995-96</b>	<b>211145</b>	<b>1995-96</b>	<b>52490</b>	<b>2003-04</b>	<b>42530</b>	<b>2004-05</b>
<b>2ND SIX MONTH</b>	<b>51399</b>	<b>2002-03</b>	<b>318062</b>	<b>1991-92</b>	<b>167226</b>	<b>1996-97</b>	<b>414824</b>	<b>1995-96</b>	<b>97268</b>	<b>2003-04</b>	<b>79709</b>	<b>2004-05</b>
MONTH	10900	APR'05	59379	OCT'91	31101	JAN'97	75005	AUG'96	18365	JAN'07	17009	MAR'05
QUARTER	26953	Q3(02-03)	171754	Q3(91-92)	90189	Q3(96-97)	211145	Q4(95-96)	52490	Q4(03-04)	42530	Q4(04-05)
SIX MONTH	51399	H2(02-03)	318062	H2(91-92)	167226	H2(96-97)	414824	H2(95-96)	97268	H2(03-04)	79709	H2(04-05)
ANNUAL	95492	2000-01	596388	1991-92	329822	1996-97	765340	1995-96	185498	2000-01	153158	2000-01

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## PRODUCTION - SALEABLE STEEL

Table No. 3.2 (Contd.)

	Slab		HR Coil		HR Plate		HR Sheet		CR Coil		CR Sheet	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	50844	1999	184353	2014	46480	1991	28108	1992	80090	2019	18043	1991
MAY	41495	1999	199815	2013	45049	1992	28020	1992	79003	2019	16781	1993
JUN	115487	2007	208968	2013	45963	2005	28105	1992	85448	2018	15142	1991
<b>1ST QTR.</b>	<b>148665</b>	<b>1999-00</b>	<b>587064</b>	<b>2013-14</b>	<b>133995</b>	<b>1992-93</b>	<b>84233</b>	<b>1992-93</b>	<b>239263</b>	<b>2019-20</b>	<b>47263</b>	<b>1991-92</b>
JULY	50346	1999	196904	2013	47779	2005	26504	1992	87432	2018	18260	1991
AUG	46621	1999	216921	2008	53040	2008	26001	1993	89381	2018	21561	1993
SEP	48319	2006	203671	2012	50333	1995	28516	1988	90582	2017	20669	1991
<b>2ND QTR.</b>	<b>127608</b>	<b>1999-00</b>	<b>591929</b>	<b>2013-14</b>	<b>144855</b>	<b>1993-94</b>	<b>76612</b>	<b>1988-89</b>	<b>264610</b>	<b>2018-19</b>	<b>55563</b>	<b>1991-92</b>
<b>1ST SIX MONTH</b>	<b>276273</b>	<b>1999-00</b>	<b>1178993</b>	<b>2013-14</b>	<b>271461</b>	<b>1993-94</b>	<b>155992</b>	<b>1992-93</b>	<b>472544</b>	<b>2019-20</b>	<b>102826</b>	<b>1991-92</b>
OCT	39952	1999	203560	2007	52917	2007	25139	2001	86563	2017	21317	1991
NOV	33000	2011	199910	2007	48623	1995	24696	1990	86366	2017	21394	1991
DEC	20766	2014	207763	2011	47897	1995	26333	2001	91025	2018	17294	1991
<b>3RD QTR.</b>	<b>59155</b>	<b>2006-07</b>	<b>594352</b>	<b>2007-08</b>	<b>144710</b>	<b>1991-92</b>	<b>75330</b>	<b>2001-02</b>	<b>255074</b>	<b>2017-18</b>	<b>60005</b>	<b>1991-92</b>
JAN	34317	1999	211505	2011	54672	2008	29382	1994	89729	2019	17531	1991
FEB	24727	1999	195571	2011	45242	1992	28666	1994	86269	2019	19259	1991
MAR	40159	1999	210561	2013	49084	1991	33191	1992	88670	2019	20571	1991
<b>4TH QTR.</b>	<b>99203</b>	<b>1998-99</b>	<b>611651</b>	<b>2010-11</b>	<b>142379</b>	<b>2007-08</b>	<b>88124</b>	<b>1993-94</b>	<b>264668</b>	<b>2018-19</b>	<b>57361</b>	<b>1990-91</b>
<b>2ND SIX MONTH</b>	<b>147023</b>	<b>1998-99</b>	<b>1172927</b>	<b>2010-11</b>	<b>281381</b>	<b>1991-92</b>	<b>152722</b>	<b>2001-02</b>	<b>511052</b>	<b>2018-19</b>	<b>105716</b>	<b>1991-92</b>
MONTH	115487	JUN'07	216921	AUG'08	54672	JAN'08	33191	MAR'92	91025	Dec'18	21561	AUG'93
QUARTER	148665	Q1(99-00)	611651	Q4(10-11)	144855	Q2(93-94)	88124	Q4(93-94)	264668	Q4(18-19)	60005	Q3(91-92)
SIX MONTH	276273	H1(99-00)	1178993	H1(13-14)	281381	H2(91-92)	155992	H1(92-93)	511052	H2(18-19)	105716	H2(91-92)
ANNUAL	373611	1999-00	2275655	2013-14	548473	1991-92	298364	1993-94	982323	2018-19	208542	1991-92

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## PRODUCTION -SALEABLE STEEL

Table No. 3.2 (Contd.)

	GP Sheet		GC Sheet		GP Coil/GP/GC Sheet		TMBP		CR Saleable		Total Saleable Steel	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	9540	1996	5290	2001	16168	2005	5023	1999	94441	1999	325051	2007
MAY	8077	1997	5036	2001	16091	2000	5063	2000	98599	2000	316021	2005
JUN	9055	1995	5080	1995	15752	1995	5012	2001	102380	2018	331049	2003
<b>1ST QTR.</b>	<b>24699</b>	<b>1997-98</b>	<b>13135</b>	<b>1995-96</b>	<b>44695</b>	<b>2000-01</b>	<b>10491</b>	<b>1993-94</b>	<b>282142</b>	<b>2000-01</b>	<b>932260</b>	<b>2005-06</b>
JULY	9694	1993	5101	1995	16942	2018	6023	1993	106172	2018	331151	2007
AUG	9127	1993	6000	1995	16584	2003	7005	1993	105764	2018	350153	2008
SEP	9019	1995	4796	1996	16658	2001	7008	1993	105064	2017	360021	2007
<b>2ND QTR.</b>	<b>27102</b>	<b>1993-94</b>	<b>15271</b>	<b>1995-96</b>	<b>46557</b>	<b>2001-02</b>	<b>20036</b>	<b>1993-94</b>	<b>314360</b>	<b>2018-19</b>	<b>1026173</b>	<b>2007-08</b>
<b>1ST SIX MONTH</b>	<b>50410</b>	<b>1993-94</b>	<b>28406</b>	<b>1995-96</b>	<b>89710</b>	<b>2000-01</b>	<b>30527</b>	<b>1993-94</b>	<b>563862</b>	<b>2018-19</b>	<b>1858325</b>	<b>2007-08</b>
OCT	10151	1995	5606	1994	17030	2006	8007	1993	102544	2000	360077	2007
NOV	7946	1993	5468	2005	18142	2001	7011	1993	96790	2000	350061	2006
DEC	10728	1995	5691	1994	17969	2002	6000	1992	103608	1995	350132	2006
<b>3RD QTR.</b>	<b>27605</b>	<b>1995-96</b>	<b>16396</b>	<b>1994-95</b>	<b>49510</b>	<b>2006-07</b>	<b>20028</b>	<b>1993-94</b>	<b>300218</b>	<b>2000-01</b>	<b>1050294</b>	<b>2006-07</b>
JAN	9955	1995	5398	1996	18216	2006	6005	1994	103816	1996	340025	2008
FEB	8536	1997	4271	1992	17733	2004	5013	2001	96227	2019	311074	2019
MAR	10261	1996	6441	2001	19480	2000	6017	1993	107428	1999	380101	2007
<b>4TH QTR.</b>	<b>27408</b>	<b>1995-96</b>	<b>13348</b>	<b>1991-92</b>	<b>52331</b>	<b>2003-04</b>	<b>14557</b>	<b>1992-93</b>	<b>302956</b>	<b>1995-96</b>	<b>1010406</b>	<b>2006-07</b>
<b>2ND SIX MONTH</b>	<b>55013</b>	<b>1995-96</b>	<b>25807</b>	<b>1993-94</b>	<b>98762</b>	<b>2003-04</b>	<b>34457</b>	<b>1993-94</b>	<b>586434</b>	<b>1995-96</b>	<b>2060700</b>	<b>2006-07</b>
MONTH	10728	DEC'95	6441	MAR'01	19480	Mar'00	8007	OCT'93	107428	MAR'99	380101	MAR'07
QUARTER	27605	Q3(95-96)	16396	Q3(94-95)	52331	Q4(03-04)	20036	Q2(93-94)	314360	Q2(18-19)	1050294	Q3(06-07)
SIX MONTH	55013	H2(95-96)	28406	H1(95-96)	98762	H2(03-04)	34457	H2(93-94)	586434	H2(95-96)	2060700	H2(06-07)
ANNUAL	104412	1995-96	53092	1995-96	185749	2003-04	64984	1993-94	1141806	2018-19	3902859	2007-08



**अर्जोतम निष्पादन**  
**BEST PERFORMANCE**

**DESPATCH-MAIN PRODUCTS**

Table No. 3.2 (Contd.)

	Pig Iron		Ingot Steel		Slab		HR Coil		HR Plate		HR Sheet	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	64709	1986	26297	1995	48647	1999	193460	2013	43894	2007	28079	1990
MAY	79298	1976	28574	1996	42058	1999	192929	2015	42021	2007	24591	2002
JUN	68347	1989	53547	1996	105470	2007	188042	2013	44665	2005	29930	1999
<b>1ST QTR.</b>	<b>194250</b>	<b>1976-77</b>	<b>100199</b>	<b>1996-97</b>	<b>146512</b>	<b>1999-00</b>	<b>563940</b>	<b>2013-14</b>	<b>122051</b>	<b>1991-92</b>	<b>76786</b>	<b>1999-00</b>
JULY	77549	1976	80225	1996	50321	1999	193754	2015	45977	1993	28193	1988
AUG	79269	1976	42039	1996	48666	1999	195876	2014	50021	2008	28978	1993
SEP	66856	1980	24577	1997	41609	2006	193117	2013	48722	2007	28540	1988
<b>2ND QTR.</b>	<b>216626</b>	<b>1976-77</b>	<b>143968</b>	<b>1996-97</b>	<b>129607</b>	<b>1999-00</b>	<b>580509</b>	<b>2013-14</b>	<b>134784</b>	<b>1993-94</b>	<b>79588</b>	<b>1988-89</b>
<b>1ST SIX MONTH</b>	<b>410876</b>	<b>1976-77</b>	<b>244167</b>	<b>1996-97</b>	<b>276119</b>	<b>1999-00</b>	<b>1144449</b>	<b>2013-14</b>	<b>247910</b>	<b>1991-92</b>	<b>147187</b>	<b>1993-94</b>
OCT	75095	1980	23733	1997	38593	1999	198830	2007	49696	2007	29372	1990
NOV	66770	1987	24107	1996	31664	2011	183264	2007	45042	1990	26333	1990
DEC	63010	1987	39954	1996	24016	2006	190211	2013	55583	1993	31108	2001
<b>3RD QTR.</b>	<b>196538</b>	<b>1987-88</b>	<b>81992</b>	<b>1996-97</b>	<b>69555</b>	<b>2005-06</b>	<b>565679</b>	<b>2007-08</b>	<b>146481</b>	<b>1993-94</b>	<b>83217</b>	<b>2001-02</b>
JAN	76219	1974	36712	1997	33378	1999	205585	2012	57839	1990	29428	1996
FEB	85034	1976	24870	1996	24998	1999	191687	2012	46725	2008	30196	1994
MAR	90524	1986	44035	1996	39923	1999	219147	2007	48228	2007	34760	1992
<b>4TH QTR.</b>	<b>212344</b>	<b>1975-76</b>	<b>90269</b>	<b>1995-96</b>	<b>98299</b>	<b>1998-99</b>	<b>590078</b>	<b>2011-12</b>	<b>145999</b>	<b>2007-08</b>	<b>88100</b>	<b>1993-94</b>
<b>2ND SIX MONTH</b>	<b>337469</b>	<b>1980-81</b>	<b>143150</b>	<b>1996-97</b>	<b>146182</b>	<b>1998-99</b>	<b>1147561</b>	<b>2007-08</b>	<b>275357</b>	<b>2007-08</b>	<b>165071</b>	<b>2001-02</b>
MONTH	90524	MAR'86	80225	JUL'96	105470	JUN'07	219147	MAR'07	57839	JAN'90	34760	MAR'92
QUARTER	216626	Q2(76-77)	143968	Q2(96-97)	146512	Q1(99-00)	590078	Q4(11-12)	146481	Q3(93-94)	88100	Q4(93-94)
SIX MONTH	410876	H1(76-77)	244167	H1(96-97)	276119	H1(99-00)	1147561	H2(07-08)	275357	H2(07-08)	165071	H2(01-02)
ANNUAL	715416	1976-77	387317	1996-97	370392	1999-00	2279298	2013-14	516362	1991-92	296335	1993-94

# शर्वोत्तम निष्पादन BEST PERFORMANCE

## DESPATCH-MAIN PRODUCTS

Table No. 3.2 (Contd.)

	HR Plate/Sheet		CR Coil		CR Sheet		GP Coil/GP/GC Sheet		TMBP		CR Saleable		Total Saleable Steel	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
APR	68082	1992	74304	2017	17431	1991	15696	2005	3928	1999	88247	2006	311503	2007
MAY	65713	1998	73590	2019	15393	1981	16759	2001	4983	2000	94835	2000	322029	2007
JUN	66808	1991	76484	2018	16253	1993	15818	1995	5898	2001	92590	2000	292849	2006
<b>1ST QTR.</b>	<b>195316</b>	<b>1991-92</b>	<b>222821</b>	<b>2019-20</b>	<b>45245</b>	<b>1991-92</b>	<b>42956</b>	<b>1997-98</b>	<b>9758</b>	<b>2001-02</b>	<b>274869</b>	<b>2000-01</b>	<b>892604</b>	<b>2006-07</b>
JULY	70671	1993	78375	2018	18173	1992	16590	1997	7257	1993	88932	2018	312348	2007
AUG	74536	1993	91514	2018	17354	1993	16829	2006	5398	1993	109184	2018	332456	2007
SEP	67137	1995	87587	2018	16937	1991	15367	1997	4719	1993	102984	2018	352354	2007
<b>2ND QTR.</b>	<b>211015</b>	<b>1993-94</b>	<b>257476</b>	<b>2018-19</b>	<b>50615</b>	<b>1991-92</b>	<b>47104</b>	<b>1997-98</b>	<b>17374</b>	<b>1993-94</b>	<b>301100</b>	<b>2018-19</b>	<b>997158</b>	<b>2007-08</b>
<b>1ST SIX MON'</b>	<b>390138</b>	<b>1993-94</b>	<b>451432</b>	<b>2018-19</b>	<b>95860</b>	<b>1991-92</b>	<b>90060</b>	<b>1997-98</b>	<b>25082</b>	<b>1993-94</b>	<b>531567</b>	<b>2018-19</b>	<b>1844145</b>	<b>2007-08</b>
OCT	72763	2001	81312	2018	20164	1991	16888	2006	6074	1993	98201	2018	347517	2007
NOV	71375	1990	86667	2017	19623	1991	18404	2006	5318	1992	96524	2018	346390	2006
DEC	78932	1991	91001	2019	20482	1991	17199	2002	5952	1992	101134	2017	340769	2006
<b>3RD QTR.</b>	<b>212825</b>	<b>1991-92</b>	<b>257071</b>	<b>2017-18</b>	<b>60269</b>	<b>1991-92</b>	<b>50260</b>	<b>2006-07</b>	<b>15477</b>	<b>1993-94</b>	<b>289337</b>	<b>2017-18</b>	<b>1013008</b>	<b>2006-07</b>
JAN	81192	1990	96223	2020	18489	1992	17850	2001	5492	1994	100867	2020	365942	2008
FEB	71559	1993	76842	2019	16954	1991	18146	2001	6091	2001	89164	1996	317298	2008
MAR	80671	1992	105354	2019	25093	1991	19700	1999	4490	1994	117881	2019	399424	2007
<b>4TH QTR.</b>	<b>209446</b>	<b>1990-91</b>	<b>268362</b>	<b>2018-19</b>	<b>59673</b>	<b>1990-91</b>	<b>55230</b>	<b>2000-01</b>	<b>12043</b>	<b>1993-94</b>	<b>299670</b>	<b>2018-19</b>	<b>1040498</b>	<b>2006-07</b>
<b>2ND SIX MON'</b>	<b>420577</b>	<b>1990-91</b>	<b>508019</b>	<b>2018-19</b>	<b>108712</b>	<b>1991-92</b>	<b>94781</b>	<b>2000-01</b>	<b>27520</b>	<b>1993-94</b>	<b>578648</b>	<b>2018-19</b>	<b>2053506</b>	<b>2006-07</b>
MONTH	81192	JAN'90	105354	Mar'19	25093	MAR'91	19700	MAR'99	7257	JUL'93	117881	MAR'19	399424	MAR'07
QUARTER	212825	Q3(91-92)	268362	Q4(18-19)	60269	Q3(91-92)	55230	Q4(00-01)	17374	Q2(93-94)	301100	Q2(18-19)	1040498	Q4(06-07)
SIX MONTH	420577	H2(90-91)	508019	H2(18-19)	108712	H2(91-92)	94781	H2(00-01)	27520	H2(93-94)	578648	H2(18-19)	2053506	H2(06-07)
ANNUAL	808712	1991-92	959451	2018-19	204572	1991-92	179576	1997-98	52602	1993-94	1110215	2018-19	3878715	2007-08

**अर्शतड दैनिक नरषुडरन**  
**BEST PERFORMANCE ON A DAY**

PRODUCTION			Unit - Tonne			Table No. 3.2 (Contd.)		
PARTICULARS	Performance	Date, Month & Year	PARTICULARS	Performance	Date, Month & Year			
<b>R.M. &amp; M.H.P.</b>			Slabs	12024	06.12.95			
Wagon Tippling(Nos.)	805	14.04.14	Cold Scarfing	5274	28.12.06			
<b>C.O. &amp; B.P.P.</b>			<b>Hot Strip Mill</b>					
Coal Wagon Tippling	375	10.05.18	H.R. Coils (Nos.)	860	28.02.05			
Ovens Pushed (Nos.)	640	31.03.89	H.R. Coils (Tonnes)	16879	28.02.05			
Gross Coke	10113	31.03.89	<b>Hot Rolled Coil Finishing</b>					
Crude Tar	345	29.03.87	H.R. Plates	3251	19.08.08			
Ammonium Sulphate	150	11.01.00	H.R. Sheets	2992	31.03.90			
Sulphuric Acid	145	21.03.92	H.R. Plates/Sheets	4083	26.02.92			
Pressed Naphthalene	23	19.12.06	<b>Cold Rolling Mill I &amp; II</b>					
Benzol (KL)	90	15.03.95	Pickling Line-I	3131	15.08.93			
N.G. Benzene (KL)	125	15.03.95	Pickling Line-II	2210	27.03.99			
N.G. Toluene (KL)	40	02.04.95	Pickling Line-I +II	4880	19.01.99			
Tar Distilled	280	23.07.87	Tandem Mill-I	4276	24.09.96			
<b>Sintering Plant</b>			Tandem Mill-II	2513	20.02.04			
Skip Sinter	19850	25.03.07	Tandem Mill-I + II	5776	24.09.96			
<b>Blast Furnace</b>			Total Annealed Coil	4109	21.01.96			
Hot Metal	15515	25.03.07	C.R. Sheet	1884	22.04.82			
Hot Metal (4 Fce Operation)	14779	28.01.18	Galvanised Coil	1005	21.02.04			
Hot Metal (3 Fce Operation)	11605	20.09.19	G.P/G.C. Sheet	1230	12.03.95			
Pouring at PCM	4294	04.02.81	DCR Mill	1586	30.03.07			
<b>Slag Granulation Plant</b>			ECL	815	27.11.06			
Granulated Slag	2190	16.02.01	<b>Cold Rolling Mill III</b>					
<b>Steel Melting Shop No.I</b>			PLTCM	3037	29.11.19			
No. of Heats made	57	04.12.91	BAF	3975	31.05.19			
Crude Steel Production	7295	04.12.91	SPM III	2556	30.09.19			
<b>Steel Melting Shop No.II</b>			ECL	863	14.05.19			
No. of Heats made	43	03.12.17	<b>Total Saleable Steel</b>	19254	31.03.89			
No. of Heats (One converter)	31	11.08.04	<b>Refractory Material Plant</b>					
<b>Steel Melting Shop No.I &amp; II</b>			Metallurgical Lime	1250	04.03.07			
Crude Steel Production	16069	31.03.07	<b>Oxygen Plant</b>					
<b>Continuous Casting Shop</b>			Oxygen	1727	19.01.07			
Heats Cast(Nos.)	45	03.09.17	Liquid Argon	10.5	27.12.04			
Slabs Made	12185	03.09.17	<b>Power Plant</b>					
<b>Slabbing Mill</b>			Power Generation (MW)	240.4	02.03.17			
Ingots Rolled(Nos.)	636	06.12.95	Steam Generation (T/Hr.)	1688	27.02.05			
Ingots Rolled (Tonne)	13740	06.12.95						

शर्वोत्तम दैनिक निष्पादन  
BEST PERFORMANCE ON A DAY

<b>DESPATCH</b>	<b>Unit - Tonne</b>	Table No. 3.2 (Contd.)
<b>PRODUCTS</b>	<b>Performance</b>	<b>Date, Month &amp; Year</b>
Crude Tar	1591	16.06.87
Ammonium Sulphate	2309	22.12.02
Pig Iron	11453	31.03.86
Ingot Steel	8253	14.06.75
Slabs	6769	30.08.82
HR Coils	25054	30.11.02
HR Plates	7234	28.08.87
HR Sheets	4481	31.03.86
CR Coils	8167	31.05.02
CR Sheets	4485	31.03.91
GP Coil	2050	31.01.03
GP Sheets	1581	22.01.92
GC Sheets	1470	20.01.92
Total Saleable Steel	40617	30.11.02

## शर्वोत्तम निष्पादन BEST PERFORMANCE

**PRODUCTION**

Table No. 3.2 (Contd.)

PARTICULARS	Month		Quarter		Six Month		Annual	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
<b>RM &amp; MHP</b>								
Wagon Tippling (Nos.)	15896	Jan'95					169011	1994-95
<b>S M S -I</b>								
No. of Heats	1433	Mar'83	4105	Q3(91-92)	8048	H2(82-83)	14603	1995-96
Lining Life (No. of Heats in one Campaign)							1529	2015-16
<b>S M S -II</b>								
No. of Heats	1146	Jan'18	3174	Q4(17-18)	6346	H2(17-18)	12471	2018-19
Lining Life (No. of Heats in one Campaign)							5796	2017-18
<b>REFRACTORY MATERIAL PLANT</b>								
Lime(SMS Gr) incl. Cal Dolo	36690	Jan'93	104830	Q4(92-93)	209500	H2(92-93)	402870	1992-93
Sintered Dolomite	2176	Jan'83	4534	Q1(87-88)	8170	H1(83-84)	15134	1987-88
<b>OXYGEN PLANT</b>								
Oxygen (10 <sup>3</sup> m <sup>3</sup> )	47555	Mar'14	138354	Q2(14-15)	271692	H1(14-15)	535592	2014-15
Liquid Argon	365.7	Jan '05	937.7	Q4(04-05)	1582.2	H2(06-07)	2735	2006-07
<b>TPP &amp; CPP</b>								
Power Generated (MW)	219.6	June'19	201.0	Q3(15-16)	199.7	H2(16-17)	195.4	2015-16
Steam Generated	1202358	Dec'06	3457110	Q3(06-07)	6795952	H2(06-07)	13314576	2006-07
Demineralised water (m <sup>3</sup> )	273077	Aug'07	750692	Q2(07-08)	1473850	H1(03-04)	2955122	2004-05
Na -Cation Water (m <sup>3</sup> )	245967	Oct'01	722100	Q3(01-02)	1409558	H2(01-02)	2687121	2001-02
<b>AUXILIARY SHOPS</b>								
Machine Shop (Man M/C Hour)	45510	Mar'06	135825	Q2(05-06)	271325	H1(05-06)	542445	2005-06
Forge Shop	433	Mar'96	1266	Q3(95-96)	2523	H2(95-96)	5008	1993-94
Structural Shop (Total)	2373	Mar'93	7070	Q3(91-92)	14023	H2(91-92)	27651	1992-93
Iron Copper Foundry	750	Apr'07	2208	Q1(07-08)	4359	H2(06-07)	8495	2005-06
Steel Foundry	667	Mar'93	1916	Q3(91-92)	3686	H2(91-92)	6983	1993-94
<b>INGOT MOULD FOUNDRY</b>								
Ingot Mould (Nos.)	304	Mar'98	835	Q4(97-98)	1641	H2(97-98)	3244	1997-98
Bottom Plates (Nos.)	300	Jan'02	855	Q2(06-07)	1658	H1(06-07)	3194	2006-07
Slag Pots (Nos.)	9	Oct'02	21	Q3(02-03)	39	H2(02-03)	75	2002-03

**शर्वोत्तम निष्पादन**  
**BEST PERFORMANCE**

**PRODUCTION (BY-PRODUCTS)**

Table No. 3.2 (Contd.)

PARTICULARS	Month		Quarter		Six Month		Annual	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
Crude Tar	10744	MAR'99	28755	Q3(04-05)	56772	H2(04-05)	110261	2003-04
Ammonium Sulphate	3310	MAR'19	9055	Q1(07-08)	17805	H2(05-06)	33585	2007-08
Sulphuric acid	4700	MAR'99	11756	Q1(01-02)	21421	H1(01-02)	41000	2001-02
Pressed Naphthalene	455	MAR'97	1210	Q1(96-97)	2209	H2(99-00)	4190	1996-97
Extra Hard Pitch	1250	AUG'01	2950	Q3(99-00)	4830	H1(01-02)	8470	1999-00
Hard Medium Pitch	1050	SEP'04	2625	Q4(03-04)	4055	H2(03-04)	6460	2004-05
PCM	7950	DEC'96	22180	Q1(96-97)	41201	H2(96-97)	80031	1996-97
Anthracene Oil	640	MAR'07	1250	Q2(01-02)	2088	H1(01-02)	2945	2006-07
Crude Benzole (KL)	2570	DEC'99	7440	Q4(99-00)	14410	H2(99-00)	27010	1999-00
Benzene (KL)	2400	DEC'00	5135	Q4(99-00)	9009	H2(99-00)	16519	1999-00
Toluene (KL)	540	DEC'00	1066	Q4(99-00)	1811	H2(99-00)	3566	1999-00
Xylene (KL)	60	FEB'95	120	Q4(94-95)	167	H2(94-95)	265	1993-94
S.B. Oil	260	SEP'05	520	Q2(98-99)	815	H1(02-03)	1490	2002-03
L.S. Naphtha	210	JUN'99	567	Q2(98-99)	677	H1(98-99)	1297	1998-99
Ferrous Sulphate	2284	Jun'90	3961	Q3(96-97)	7721	H2(96-97)	13623	2000-01
Granulated Slag (Total)	109074	Jun'19	313584	Q1 (19-20)	614785	H2(18-19)	1174427	2018-19

**शर्वोत्तम निष्पादन**  
**BEST PERFORMANCE**

Table No. 3.2

DESPATCH (BY-PRODUCTS)								
	Month		Quarter		Six Month		Annual	
	Tonne	Year	Tonne	Year	Tonne	Year	Tonne	Year
Crude Tar	4477	JUN'87	11387	Q1(87-88)	22148	H1(87-88)	32595	1974-75
Ammonium Sulphate	6877	OCT'05	12140	Q4(06-07)	20746	H2(06-07)	34714	2006-07
Sulphuric acid	944	APR'99	1588	Q2(95-96)	2914	H1(95-96)	2934	1995-96
Pressed Naphthalene	859	MAR'03	1669	Q4(03-04)	2224	H1(02-03)	4169	1996-97
Soft Pitch	903	DEC'80	2423	Q4(80-81)	4405	H2(80-81)	5033	1980-81
Extra Hard Pitch	1178	OCT'99	3213	Q2(99-00)	4397	H1(99-00)	8554	1999-00
Hard Medium Pitch	1147	MAR'04	2735	Q4(03-04)	4079	H2(03-04)	5885	2004-05
Anthracene Oil	654	MAR'07	1282	Q2(01-02)	2137	H1(01-02)	2946	2006-07
Benzol	1576	DEC'12	2738	Q2(18-19)	3926	H1(18-19)	6348	2018-19
Benzene (KL)	2432	DEC'00	4801	Q4(99-00)	8770	H2(93-94)	16569	1999-00
Toluene (KL)	547	MAR'02	1175	Q4(01-02)	1802	H2(99-00)	3584	1999-00
Xylene (KL)	48	FEB'93	106	Q1(93-94)	164	H1(93-94)	259	1993-94
S.B. Oil	265	SEP'05	536	Q3(02-03)	811	H1(02-03)	1488	2002-03
L.S. Naphtha	217	SEP'98	464	Q2(98-99)	706	H1(99-00)	1343	1999-00
Ferrous Sulphate	2650	MAY'93	6363	Q1(93-94)	9095	H1(93-94)	15319	1998-99
Granulated Slag (Total)	109316	MAR'19	307988	Q4(17-18)	580871	H2(18-19)	1118294	2019-20

**COAL & RAW MATERIALS**



कोकिंग कोयला की प्राप्ति  
RECEIPT OF COKING COAL

Table No. 4.1 (Contd.)

PERIOD	INDIGENOUS															GRAND TOTAL
	PRIME								MEDIUM							
	Dugda/ Sudamdih	Munidih	Jama- doba	Bhoju- dih	Madhu -ban	Mahuda	Chas nala	Total	Kathara	Dhaibari	Kedla	Mahuda	Rajra- ppa	Swang	Total	
APR'19	6611	9582	0	4904	957	2455	12051	36560	5131	2920	0	0	134	4662	12847	49407
MAY	1749	3951	0	1264	0	0	12031	18995	3816	2022	0	0	0	6966	12804	31799
JUN	7237	3430	0	1807	0	1110	10383	23967	0	1697	7437	0	7640	8416	25190	49157
<b>1ST QTR.</b>	<b>15597</b>	<b>16963</b>	<b>0</b>	<b>7975</b>	<b>957</b>	<b>3565</b>	<b>34465</b>	<b>79522</b>	<b>8947</b>	<b>6639</b>	<b>7437</b>	<b>0</b>	<b>7774</b>	<b>20044</b>	<b>50841</b>	<b>130363</b>
JUL	4018	3001	0	1706	0	1202	18515	28442	0	3082	7638	0	3866	16612	31198	59640
AUG	4716	3570	0	2514	0	952	10781	22533	1840	2658	0	0	1260	7391	13149	35682
SEP	5191	3817	0	1626	0	0	13911	24545	1973	4499	0	0	3891	1648	12011	36556
<b>2ND QTR.</b>	<b>13925</b>	<b>10388</b>	<b>0</b>	<b>5846</b>	<b>0</b>	<b>2154</b>	<b>43207</b>	<b>75520</b>	<b>3813</b>	<b>10239</b>	<b>7638</b>	<b>0</b>	<b>9017</b>	<b>25651</b>	<b>56358</b>	<b>131878</b>
OCT	1165	3234	0	1846	0	0	21270	27515	4119	789	3798	0	3948	0	12654	40169
NOV	903	16571	0	0	3264	1073	7718	29529	0	2450	7409	0	3937	0	13796	43325
DEC	3485	10457	0	0	2760	0	12098	28800	1863	3967	0	0	5724	0	11554	40354
<b>3RD.QTR.</b>	<b>5553</b>	<b>30262</b>	<b>0</b>	<b>1846</b>	<b>6024</b>	<b>1073</b>	<b>41086</b>	<b>85844</b>	<b>5982</b>	<b>7206</b>	<b>11207</b>	<b>0</b>	<b>13609</b>	<b>0</b>	<b>38004</b>	<b>123848</b>
JAN'20	763	4402	0	1469	4	792	17054	24484	4810	2343	0	0	7307	0	14460	38944
FEB	0	3027	0	0	0	1040	21837	25904	2671	2654	11732	0	0	0	17057	42961
MAR	2261	7692	0	0	0	0	32928	42881	0	3839	0	0	4016	0	7855	50736
<b>4TH.QTR</b>	<b>3024</b>	<b>15121</b>	<b>0</b>	<b>1469</b>	<b>4</b>	<b>1832</b>	<b>71819</b>	<b>93269</b>	<b>7481</b>	<b>8836</b>	<b>11732</b>	<b>0</b>	<b>11323</b>	<b>0</b>	<b>39372</b>	<b>132641</b>
<b>2019-20</b>	<b>38099</b>	<b>72734</b>	<b>0</b>	<b>17136</b>	<b>6985</b>	<b>8624</b>	<b>190577</b>	<b>334155</b>	<b>26223</b>	<b>32920</b>	<b>38014</b>	<b>0</b>	<b>41723</b>	<b>45695</b>	<b>184575</b>	<b>518730</b>
<b>2018-19</b>	<b>71652</b>	<b>95169</b>	<b>0</b>	<b>50576</b>	<b>5472</b>	<b>3794</b>	<b>156007</b>	<b>382670</b>	<b>24910</b>	<b>15228</b>	<b>54277</b>	<b>0</b>	<b>33305</b>	<b>28426</b>	<b>156146</b>	<b>538816</b>
<b>2017-18</b>	<b>70711</b>	<b>112000</b>	<b>38221</b>	<b>24406</b>	<b>6244</b>	<b>9558</b>	<b>172601</b>	<b>433741</b>	<b>10528</b>	<b>0</b>	<b>158649</b>	<b>0</b>	<b>92292</b>	<b>6557</b>	<b>268026</b>	<b>701767</b>
<b>2016-17</b>	<b>95380</b>	<b>143751</b>	<b>15336</b>	<b>24589</b>	<b>5698</b>	<b>30471</b>	<b>128504</b>	<b>443729</b>	<b>20825</b>	<b>0</b>	<b>126912</b>	<b>0</b>	<b>120436</b>	<b>10432</b>	<b>278605</b>	<b>722334</b>
<b>2015-16</b>	<b>60106</b>	<b>52856</b>	<b>0</b>	<b>34765</b>	<b>9668</b>	<b>15420</b>	<b>59740</b>	<b>232555</b>	<b>75408</b>	<b>2766*</b>	<b>80733</b>	<b>2303</b>	<b>95285</b>	<b>4298</b>	<b>260793</b>	<b>493348</b>

\$ Burragarh

\* Kargali

Page No. 86

कोकिंग कोयला, डीडीआई कोयला एवं अन्य की प्राप्ति  
RECEIPT OF COKING COAL, CDI COAL AND OTHERS

Unit - Tonne

Table No. 4.1 (Contd.)

PERIOD	IMPORTED									GRAND TOTAL	CDI COAL Imported	HARD COKE		
	Australia + LVHR	USA	Canada	Newzea land	Benga M+C	Indonesia	Kestrel Soft	Australia Soft	USA Soft			Total	DPL	ISP
APR'19	107028	51019	22543	0	0	23424	37575	0	43291	284880	334287	22241	0	0
MAY	129561	40075	14558	0	0	11178	33729	0	28091	257192	288991	19533	0	0
JUN	134449	41810	16190	0	26031	18307	61286	0	5260	303333	352490	28844	0	0
<b>1ST QTR.</b>	<b>371038</b>	<b>132904</b>	<b>53291</b>	<b>0</b>	<b>26031</b>	<b>52909</b>	<b>132590</b>	<b>0</b>	<b>76642</b>	<b>845405</b>	<b>975768</b>	<b>70618</b>	<b>0</b>	<b>0</b>
JUL	117508	49504	29743	0	34087	13	72850	0	272	303977	363617	19357	0	0
AUG	111833	57528	21271	0	16543	0	63814	0	0	270989	306671	2855	0	0
SEP	133399	8	7770	0	29823	22900	49772	0	14875	258547	295103	14540	0	0
<b>2ND QTR.</b>	<b>362740</b>	<b>107040</b>	<b>58784</b>	<b>0</b>	<b>80453</b>	<b>22913</b>	<b>186436</b>	<b>0</b>	<b>15147</b>	<b>833513</b>	<b>965391</b>	<b>36752</b>	<b>0</b>	<b>0</b>
OCT	121997	11027	0	0	36605	16912	33853	0	35306	255700	295869	13756	0	0
NOV	111850	21642	68	0	12744	13579	20386	0	30511	210780	254105	22302	0	0
DEC	132509	19483	0	0	35142	9	38572	0	36357	262072	302426	16400	0	0
<b>3RD.QTR.</b>	<b>366356</b>	<b>52152</b>	<b>68</b>	<b>0</b>	<b>84491</b>	<b>30500</b>	<b>92811</b>	<b>0</b>	<b>102174</b>	<b>728552</b>	<b>852400</b>	<b>52458</b>	<b>0</b>	<b>0</b>
JAN'20	122113	31764	125	0	17935	20744	28633	0	20964	242278	281222	24521	0	0
FEB	176389	35644	0	0	0	26333	59279	0	0	297645	340606	16121	0	0
MAR	121750	41930	558	0	261	20510	56197	0	23142	264348	315084	14872	0	0
<b>4TH.QTR</b>	<b>420252</b>	<b>109338</b>	<b>683</b>	<b>0</b>	<b>18196</b>	<b>67587</b>	<b>144109</b>	<b>0</b>	<b>44106</b>	<b>804271</b>	<b>936912</b>	<b>55514</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>1520386</b>	<b>401434</b>	<b>112826</b>	<b>0</b>	<b>209171</b>	<b>173909</b>	<b>555946</b>	<b>0</b>	<b>238069</b>	<b>3211741</b>	<b>3730471</b>	<b>215342</b>	<b>0</b>	<b>0</b>
2018-19	1336174	458599	228365	79	215418	106559	0	642450	116737	3104381	3643197	286152	0	2051
2017-18	1356552	562347	29024	28016	174018	126746	0	499099	499099	2775802	3477569	225578	0	0
2016-17	1529935	297004	0	113849	25239	14311	0	416978	416978	2397316	3119650	170607	0	0
2015-16	1818619	410312	0	116618	286795	0	0	316835	316835	2949179	3442527	184013	0	0

मिडलिंग कोयला की प्राप्ति  
RECEIPT OF MIDDLING COAL

Unit - Tonne

Table No. 4.1 (Contd.)

PERIOD	CCL									CCSO				TISCO		
	Raj rappa	Kathara	Kedla	Kargali	Amra pali	Saunda	RCM/ Bachra	Giddi	Swang	KSND & JMDB	Dama goria	Chas nala	Unlink	W/ Label	WB	Jama doba
APR'19	30115	8969	13686	0	0	0	3786	16156	16703	0	0	20467	1013	0	0	0
MAY	25611	0	28492	0	0	0	0	11946	19831	0	0	22692	0	0	0	0
JUN	26816	0	31863	4088	0	0	0	7829	26849	2474	0	15196	704	0	0	0
<b>1ST QTR.</b>	<b>82542</b>	<b>8969</b>	<b>74041</b>	<b>4088</b>	<b>0</b>	<b>0</b>	<b>3786</b>	<b>35931</b>	<b>63383</b>	<b>2474</b>	<b>0</b>	<b>58355</b>	<b>1717</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL	18123	0	21567	0	0	0	0	0	21140	0	0	31321	1280	0	0	0
AUG	29476	1293	19110	0	0	0	0	8146	13082	0	0	19830	64	0	0	0
SEP	23346	1924	10780	0	0	0	0	4067	2401	0	0	9693	64	0	0	0
<b>2ND QTR.</b>	<b>70945</b>	<b>3217</b>	<b>51457</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12213</b>	<b>36623</b>	<b>0</b>	<b>0</b>	<b>60844</b>	<b>1408</b>	<b>0</b>	<b>0</b>	<b>0</b>
OCT	19688	10162	11853	0	3696	0	3579	0	0	0	0	14341	2496	0	0	0
NOV	26974	3622	11670	0	27099	0	3575	0	0	0	0	7318	0	0	0	0
DEC	23156	17721	11765	0	0	3962	19506	0	0	0	0	7189	0	0	0	0
<b>3RD.QTR.</b>	<b>69818</b>	<b>31505</b>	<b>35288</b>	<b>0</b>	<b>30795</b>	<b>3962</b>	<b>26660</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28848</b>	<b>2496</b>	<b>0</b>	<b>0</b>	<b>0</b>
JAN'20	30080	19803	14986	0	3740	0	8222	0	0	0	0	13317	0	0	0	0
FEB	29917	7336	14851	0	0	0	52601	0	0	0	0	19654	0	0	0	0
MAR	30567	0	7753	0	0	2702	47061	0	0	0	0	25698	0	0	0	0
<b>4TH.QTR</b>	<b>90564</b>	<b>27139</b>	<b>37590</b>	<b>0</b>	<b>3740</b>	<b>2702</b>	<b>107884</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58669</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
																0
<b>2019-20</b>	<b>313869</b>	<b>70830</b>	<b>198376</b>	<b>4088</b>	<b>34535</b>	<b>6664</b>	<b>138330</b>	<b>48144</b>	<b>100006</b>	<b>2474</b>	<b>0</b>	<b>206716</b>	<b>5621</b>	<b>0</b>	<b>0</b>	<b>0</b>
2018-19	117130	32018	176651	3864	0	0	21793	71976	140829	9811	21545	355892	3954	832 #	0	9440
2017-18	147884	57918	269595	0	0	0	24559	82374	158149	17519	15629 \$	390380	0	893	63692	11462 \$
2016-17	312643	10920	110959	0	0	0	281693	100411	134840	0	247132 \$	0	0	0	103878	0
2015-16	293246	0	103086	0	0	0	314362	130263	129927	0	135203 \$	0	0	0	243847	0

\$ BLTD # Includes 320t Imp.coal

Page No. 88

मिडलिंग कोयला एवं फर्नेस आयल की प्राप्ति  
RECEIPT OF MIDDLING COAL & FURNACE OIL

Unit - Tonne

Table No. 4.1 (Contd.)

PERIOD	BCCL										W/Coal Reject	TOTAL	Fce Oil
	Golakdih	Munidih	Bhojudih	Sudamdih	Madhuban	Mahuda	Kusunda	Dahi badi	NTST	Dugda			
APR'19	0	12951	12412	3251	3008	7900	0	5266	0	4562	0	160245	2936
MAY	0	9379	5424	7838	3538	3466	0	24452	0	1716	0	164385	0
JUN	0	6256	12603	5416	0	2318	4949	10642	0	5956	0	163959	0
<b>1ST QTR.</b>	<b>0</b>	<b>28586</b>	<b>30439</b>	<b>16505</b>	<b>6546</b>	<b>13684</b>	<b>4949</b>	<b>40360</b>	<b>0</b>	<b>12234</b>	<b>0</b>	<b>488589</b>	<b>2936</b>
JUL	0	6846	12970	2079	7590	2182	0	6536	0	6355	0	137989	0
AUG	0	3451	14753	3833	3913	6202	0	6948	0	10848	0	140949	0
SEP	0	3254	8959	4484	0	3041	0	10361	0	5104	0	87478	2856
<b>2ND QTR.</b>	<b>0</b>	<b>13551</b>	<b>36682</b>	<b>10396</b>	<b>11503</b>	<b>11425</b>	<b>0</b>	<b>23845</b>	<b>0</b>	<b>22307</b>	<b>0</b>	<b>366416</b>	<b>2856</b>
OCT	0	1190	5467	6819	3768	0	0	2840	0	2384	0	88283	0
NOV	0	5408	0	3580	7733	2389	0	8408	0	2657	0	110433	0
DEC	0	0	6931	815	7622	0	0	9162	0	3035	0	110864	0
<b>3RD.QTR.</b>	<b>0</b>	<b>6598</b>	<b>12398</b>	<b>11214</b>	<b>19123</b>	<b>2389</b>	<b>0</b>	<b>20410</b>	<b>0</b>	<b>8076</b>	<b>0</b>	<b>309580</b>	<b>0</b>
JAN'20	0	6390	13966	0	3817	3113	0	4671	0	7705	0	129810	0
FEB	0	4259	3687	3698	3303	6578	0	6773	0	0	0	152657	0
MAR	0	0	8321	2287	0	0	0	7026	0	0	0	131415	0
<b>4TH.QTR</b>	<b>0</b>	<b>10649</b>	<b>25974</b>	<b>5985</b>	<b>7120</b>	<b>9691</b>	<b>0</b>	<b>18470</b>	<b>0</b>	<b>7705</b>	<b>0</b>	<b>413882</b>	<b>0</b>
<b>2019-20</b>	<b>0</b>	<b>59384</b>	<b>105493</b>	<b>44100</b>	<b>44292</b>	<b>37189</b>	<b>4949</b>	<b>103085</b>	<b>0</b>	<b>50322</b>	<b>0</b>	<b>1578467</b>	<b>5792</b>
2018-19	16360	72814	113468	66027	41042	28712	7419 #	102198	4973	88470	0	1507218	5873
2017-18	53730	58555	97870	60376	66765	22416	13980	10810 *	7738 **	74768	3225	1710287	11483
2016-17	0	76840	20502	66970	193465	99814	0	0	0	64105	3362	1827534	5696
2015-16	0	36288	0	123265	220569	115337	0	0	0	46140	0	1891533	2934

**कच्चे माल की प्राप्ति**  
**RECEIPT OF RAW MATERIALS**

Unit - Tonne

Table No. 4.1 (Contd.)

PERIOD	IRON ORE LUMP									IRON ORE FINES								
	Meghata				Manohar					Total	Meghata			Manoh			Total	
	Kiriburu	-buru	Bolani	Gua	-pur	Kalta	Barsua	Taldih	Kiriburu		-buru	Bolani	Gua	arpur	Kalta	Barsua		Taldih
APR'19	25450	78022	48377	11489	25439	3503	22127	24425	238832	108400	126704	58396	33424	13574	15143	64067	29370	449078
MAY	13815	7878	106364	3490	22398	69	64419	17109	235542	116863	108555	54604	10099	0	14681	49158	6788	360748
JUN	3331	39609	92119	6181	11965	0	77296	7115	237616	113434	68710	52414	13522	19953	7719	103917	4137	383806
<b>1ST QTR.</b>	<b>42596</b>	<b>125509</b>	<b>246860</b>	<b>21160</b>	<b>59802</b>	<b>3572</b>	<b>163842</b>	<b>48649</b>	<b>711990</b>	<b>338697</b>	<b>303969</b>	<b>165414</b>	<b>57045</b>	<b>33527</b>	<b>37543</b>	<b>217142</b>	<b>40295</b>	<b>1193632</b>
JUL	10080	56885	65871	2183	27014	0	57319	27481	246833	114283	87088	66904	7661	1236	0	72207	0	349379
AUG	23671	53032	22080	2377	28052	0	46613	10605	186430	111194	83533	23283	7915	16508	0	87434	0	329867
SEP	7065	33960	30236	0	4101	0	48868	40763	164993	102998	55482	30330	0	7982	0	60383	28617	285792
<b>2ND QTR.</b>	<b>40816</b>	<b>143877</b>	<b>118187</b>	<b>4560</b>	<b>59167</b>	<b>0</b>	<b>152800</b>	<b>78849</b>	<b>598256</b>	<b>328475</b>	<b>226103</b>	<b>120517</b>	<b>15576</b>	<b>25726</b>	<b>0</b>	<b>220024</b>	<b>28617</b>	<b>965038</b>
OCT	21574	52533	15208	796	20723	0	33195	40630	184659	92077	77599	15435	2387	15324	12479	100744	33420	349465
NOV	44646	66324	18933	4738	11901	0	17897	21564	186003	155458	103045	19441	9157	8090	8223	12334	15061	330809
DEC	48671	49907	40009	916	46498	0	10150	0	196151	37166	86298	68570	2575	3477	0	58604	17674	274364
<b>3RD.QTR.</b>	<b>114891</b>	<b>168764</b>	<b>74150</b>	<b>6450</b>	<b>79122</b>	<b>0</b>	<b>61242</b>	<b>62194</b>	<b>566813</b>	<b>284701</b>	<b>266942</b>	<b>103446</b>	<b>14119</b>	<b>26891</b>	<b>20702</b>	<b>171682</b>	<b>66155</b>	<b>954638</b>
JAN'20	66532	102701	3503	7223	34326	18996	7208	0	240489	148148	103787	23341	9125	0	20431	13567	0	318399
FEB	78014	85155	25716	229	31605	19149	0	0	239868	116022	128294	35349	0	0	0	3457	0	283122
MAR	64995	114712	34870	0	42776	0	3310	0	260663	132792	152572	37514	0	0	41075	0	3638	367591
<b>4TH.QTR</b>	<b>209541</b>	<b>302568</b>	<b>64089</b>	<b>7452</b>	<b>108707</b>	<b>38145</b>	<b>10518</b>	<b>0</b>	<b>741020</b>	<b>396962</b>	<b>384653</b>	<b>96204</b>	<b>9125</b>	<b>0</b>	<b>61506</b>	<b>17024</b>	<b>3638</b>	<b>969112</b>
<b>2019-20</b>	<b>407844</b>	<b>740718</b>	<b>503286</b>	<b>39622</b>	<b>306798</b>	<b>41717</b>	<b>388402</b>	<b>189692</b>	<b>2618079</b>	<b>1348835</b>	<b>1181667</b>	<b>485581</b>	<b>95865</b>	<b>86144</b>	<b>119751</b>	<b>625872</b>	<b>138705</b>	<b>4082420</b>
2018-19	306640	381812	738413	38406	271833	330912	304317	36370	2408703	1068812	964460	656141	115484	229236	150279	879675	117348	4181435
2017-18	456820	614702	617701	189690	145269	198198	85066	0	2307446	990446	1107659	924165	560650	191574	141081	0	0	3915575
2016-17	421271	333527	803267	147694	99131	33762	0	0	1838652	806284	1100745	1046523	408171	41288	50256	0	0	3453267
2015-16	716932	577224	574190	180539	46265	21625	0	0	2116775	1092745	1202891	701779	386435	25197	68738	0	0	3477785

# कच्चे माल की प्राप्ति RECEIPT OF RAW MATERIALS

Unit - Tonne

Table No. 4.1 (Contd.)

PERIOD	LIMESTONE ( B F Grade )				LIMESTONE (SMS Grade)			DOLO	QUART-
	Khana- bhanjari	Jaisalmer	Imported	Total	Jaisalmer	Imported	Total	CHIPS	ZITE
APR'19	35962	4054	10100	50116	20201	11397	31598	4792	484
MAY	31959	0	6791	38750	24249	14266	38515	1015	1119
JUN	32280	8120	3955	44355	28223	20165	48388	846	2086
<b>1ST QTR.</b>	<b>100201</b>	<b>12174</b>	<b>20846</b>	<b>133221</b>	<b>72673</b>	<b>45828</b>	<b>118501</b>	<b>6653</b>	<b>3689</b>
JUL	47595	0	14778	62373	28298	13775	42073	5909	295
AUG	43386	8087	6395	57868	36177	3503	39680	8485	0
SEP	40023	12181	5428	57632	32228	7625	39853	5230	0
<b>2ND QTR.</b>	<b>131004</b>	<b>20268</b>	<b>26601</b>	<b>177873</b>	<b>96703</b>	<b>24903</b>	<b>121606</b>	<b>19624</b>	<b>295</b>
OCT	39763	16154	0	55917	36328	11041	47369	4870	0
NOV	39759	3878	2719	46356	28073	7843	35916	6985	605
DEC	44363	0	15141	59504	40364	3772	44136	1930	0
<b>3RD.QTR.</b>	<b>123885</b>	<b>20032</b>	<b>17860</b>	<b>161777</b>	<b>104765</b>	<b>22656</b>	<b>127421</b>	<b>13785</b>	<b>605</b>
JAN'20	40167	0	9055	49222	28068	7183	35251	5041	204
FEB	40259	0	11909	52168	40174	7104	47278	5874	205
MAR	36305	0	15567	51872	28265	3717	31982	4329	0
<b>4TH.QTR</b>	<b>116731</b>	<b>0</b>	<b>36531</b>	<b>153262</b>	<b>96507</b>	<b>18004</b>	<b>114511</b>	<b>15244</b>	<b>409</b>
<b>2019-20</b>	<b>471821</b>	<b>52474</b>	<b>101838</b>	<b>626133</b>	<b>370648</b>	<b>111391</b>	<b>482039</b>	<b>55306</b>	<b>4998</b>
2018-19	371137	56698	83120	510955	429987	91887	521874	83259	4116
2017-18	322666	76894	42278	441838	485869	53668	539537	63352	1147
2016-17	345929	0	0	345929	246887	181482	428369	44112	1857
2015-16	287987	0	0	287987	350896	124112	475008	48851	6799

**कच्चे माल की प्राप्ति**  
**RECEIPT OF RAW MATERIALS**



Unit - Tonne

Table No. 4.1

PERIOD	DOLOMITE LUMP (BF Grade)				Total	DOLOMITE LUMP (SMS Grade)			H.S. SAND RJML	RIVER SAND	BENTONITE POWDER
	Bhawa- nathpur	Birmitra- pur	Bara- duar	Bhutan		Bhutan	Belha	Total			
APR'19	5292	12024	0	14690	32006	11404	15901	27305	2661	1394	0
MAY	2846	14761	0	38452	56059	15156	15965	31121	2477	1340	0
JUN	9201	0	0	34629	43830	22741	8032	30773	0	1537	2638
<b>1ST QTR.</b>	<b>17339</b>	<b>26785</b>	<b>0</b>	<b>87771</b>	<b>131895</b>	<b>49301</b>	<b>39898</b>	<b>89199</b>	<b>5138</b>	<b>4271</b>	<b>2638</b>
JUL	11839	4092	0	34608	50539	23218	16126	39344	2665	808	0
AUG	7839	20021	0	29940	57800	19034	8040	27074	0	0	0
SEP	0	12106	0	26887	38993	26298	0	26298	2653	394	0
<b>2ND QTR.</b>	<b>19678</b>	<b>36219</b>	<b>0</b>	<b>91435</b>	<b>147332</b>	<b>68550</b>	<b>24166</b>	<b>92716</b>	<b>5318</b>	<b>1202</b>	<b>0</b>
OCT	11017	15894	0	34356	61267	23027	0	23027	2625	490	0
NOV	3782	11948	0	26736	42466	19095	0	19095	0	0	0
DEC	3959	12140	0	29540	45639	15098	3852	18950	2569	349	0
<b>3RD.QTR.</b>	<b>18758</b>	<b>39982</b>	<b>0</b>	<b>90632</b>	<b>149372</b>	<b>57220</b>	<b>3852</b>	<b>61072</b>	<b>5194</b>	<b>839</b>	<b>0</b>
JAN'20	8137	12072	0	14930	35139	15060	15936	30996	0	1586	0
FEB	5681	8029	0	30117	43827	15335	20175	35510	0	1065	0
MAR	16376	8197	0	22341	46914	15057	15998	31055	0	0	0
<b>4TH.QTR</b>	<b>30194</b>	<b>28298</b>	<b>0</b>	<b>67388</b>	<b>125880</b>	<b>45452</b>	<b>52109</b>	<b>97561</b>	<b>0</b>	<b>2651</b>	<b>0</b>
<b>2019-20</b>	<b>85969</b>	<b>131284</b>	<b>0</b>	<b>337226</b>	<b>554479</b>	<b>220523</b>	<b>120025</b>	<b>340548</b>	<b>15650</b>	<b>8963</b>	<b>2638</b>
2018-19	66191	79457	0	291765	437413	205913	195619	401532	18263	17197	2504
2017-18	74259	114447	0	223739	412445	132502	191887	324389	8584	6824	0
2016-17	72934	110364	0	153001	336299	175288	140036	315324	603	11514	2596
2015-16	138689	137148	0	161184	437021	171792	156172	327964	15251	6477	2411





## सारांश SUMMARY



## C.O. &amp; B.P.P.

Table No. 5.1 (Contd.)

SL NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1.0</b>	<b>Ovens Pushed</b>						
	- Battery no.I	Nos.	27907	27353	28545	26760	29049
	- Battery no.II	"	27886	27323	28475	26825	28933
	- Battery no.III	"	27589	27460	28365	26900	21157
	- Battery no.IV	"	27259	27284	28308	26148	28734
	- Battery no.V	"	25046	25662	23906	19968	25396
	- Battery no.VI	"	0	0	12650	16234	22623
	- Battery no.VII	"	30846	28767	7281	0	0
	- Battery no.VIII	"	0	0	0	0	5810
	-Total	"	166533	163849	157530	142835	161702
<b>2.0</b>	<b>Ovens Pushed Per Day</b>	"	455	449	432	391	442
<b>3.0</b>	<b>Coal Charged</b>						
	- Dry	Tonne	3413927	3349445	3213242	2895992	3266380
	- Wet	"	3729290	3629682	3467148	3102402	3438237
<b>4.0</b>	<b>Coal Charged per Oven</b>						
	- Dry	"	20.50	20.44	20.40	20.28	20.20
	- Wet	"	22.39	22.15	22.01	21.72	21.26
<b>5.0</b>	<b>Production of Coke (Dry)</b>	Tonne					
	-BF Coke	"	2355609	2311117	2217160	1991323	2237471
	- 0-25 mm Coke	"	204836	200967	180841	151710	179650
	-Gross Coke	"	2560445	2512084	2398001	2143033	2417121
<b>6.0</b>	<b>Production of Coke per Oven (Dry)</b>						
	-BF Coke	"	14.14	14.11	14.07	13.94	13.84
	- 0-25 mm Coke	"	1.23	1.23	1.15	1.06	1.11
	-Gross Coke	"	15.38	15.33	15.22	15.00	14.95
<b>7.0</b>	<b>Yield From Dry Coal Charged</b>						
	-BF Coke	%	69.00	69.00	69.00	68.76	68.50
	- 0-25 mm Coke	"	6.00	6.00	5.63	5.24	5.50
	-Gross Coke	"	75.00	75.00	74.63	74.00	74.00
<b>8.0</b>	<b>Yield From Gross Coke</b>						
	-BF Coke	%	92.00	92.00	92.46	92.92	92.57
	- 0-25 mm Coke	"	8.00	8.00	7.54	7.08	7.43

# भारत SUMMARY

C.O. & B.P.P.

Table No. 5.1

SL. NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>9.0</b>	<b>Production of By-Products</b>	Tonne					
	- Amm.Sulphate	"	32200	27250	27930	25650	29000
	- Crude Tar	"	108766	102370	95000	85200	96570
	- Sulphuric Acid	"	22200	19080	19060	9545	11800
	- H.P.Naphthalene	"	1650	1975	2240	1960	1550
	- Tar Distilled	"	34330	41050	46584	40995	32301
	- Total Pitch	"	18881	22578	25619	21575	17260
	- Pitch Creosote Mixture	"	28210	34295	38795	34000	26800
	- Extra Hard Pitch	"	2125	2175	2550	2500	2100
	- Hard Medium Pitch	"	1250	1225	1600	1350	350
	- Coal Tar Wash Oil	"	1080	1250	1020	710	700
	- Road Tar (RT-4)	"	0	110	320	450	800
	- Crude Benzol	"	5400	6710	4120	3450	1600
<b>10.0</b>	<b>Yield from Dry Coal Charged</b>						
	- Ammonium Sulphate	Kg/t	9.43	8.14	8.69	8.86	9.90
	- Crude Tar	"	31.86	30.56	29.56	29.42	29.56
	- Crude Benzol	"	3.16	4.01	2.56	2.38	6.00
	- Coke Oven Gas	10 <sup>3</sup> m <sup>3</sup> /t	325.1	318.7	313.7	316.9	313.1

**भट्टी अपकर्षण एवं कोक उत्पादन**  
**OVEN PUSHED & COKE PRODUCED**

C.O. &amp; B.P.P.

Table No. 5.2

PERIOD	Oven Pushed (Nos.)								Total	Average Per day	Production of Coke ( Dry ) ( t )				Gross Coke
	Battery No.										B.F. Coke	0 - 25 mm Coke			
	I	II	III	IV	V	VI	VII	VIII				Pearl Coke	Pond + Breeze Coke	Total	
APR'19	2421	2410	2387	2378	2165	0	2639	0	14400	480	203688	3923	13789	17712	221400
MAY	2464	2453	2429	2427	2206	0	2754	0	14733	475	208398	4014	14108	18122	226520
JUN	2399	2393	2360	2360	2097	0	2646	0	14255	475	201637	3884	13650	17534	219171
<b>1ST QTR.</b>	<b>7284</b>	<b>7256</b>	<b>7176</b>	<b>7165</b>	<b>6468</b>	<b>0</b>	<b>8039</b>	<b>0</b>	<b>43388</b>	<b>477</b>	<b>613723</b>	<b>11821</b>	<b>41547</b>	<b>53368</b>	<b>667091</b>
JULY	2495	2455	2433	2434	2162	0	2748	0	14727	475	208313	4012	14102	18114	226427
AUG	2465	2475	2420	2412	2176	0	2761	0	14709	474	208059	4007	14084	18091	226150
SEP	2230	2231	2180	2155	2055	0	2359	0	13210	440	186855	3599	12650	16249	203104
<b>2ND QTR.</b>	<b>7190</b>	<b>7161</b>	<b>7033</b>	<b>7001</b>	<b>6393</b>	<b>0</b>	<b>7868</b>	<b>0</b>	<b>42646</b>	<b>464</b>	<b>603227</b>	<b>11618</b>	<b>40836</b>	<b>52454</b>	<b>655681</b>
OCT	2263	2283	2190	2122	2086	0	2386	0	13330	430	188553	3632	12764	16396	204949
NOV	2152	2178	2189	2097	2008	0	2235	0	12859	429	181891	3504	12313	15817	197708
DEC	2242	2238	2259	2166	2076	0	2322	0	13303	429	188171	3624	12739	16363	204534
<b>3RD QTR.</b>	<b>6657</b>	<b>6699</b>	<b>6638</b>	<b>6385</b>	<b>6170</b>	<b>0</b>	<b>6943</b>	<b>0</b>	<b>39492</b>	<b>429</b>	<b>558615</b>	<b>10760</b>	<b>37816</b>	<b>48576</b>	<b>607191</b>
JAN'20	2228	2218	2218	2185	2056	0	2647	0	13552	437	191693	3692	12977	16669	208362
FEB	2179	2178	2171	2170	1936	0	2658	0	13292	458	188015	3621	12728	16349	204364
MAR	2369	2374	2353	2353	2023	0	2691	0	14163	457	200336	3858	13562	17420	217756
<b>4TH QTR.</b>	<b>6776</b>	<b>6770</b>	<b>6742</b>	<b>6708</b>	<b>6015</b>	<b>0</b>	<b>7996</b>	<b>0</b>	<b>41007</b>	<b>451</b>	<b>580044</b>	<b>11171</b>	<b>39267</b>	<b>50438</b>	<b>630482</b>
<b>2019-20</b>	<b>27907</b>	<b>27886</b>	<b>27589</b>	<b>27259</b>	<b>25046</b>	<b>0</b>	<b>30846</b>	<b>0</b>	<b>166533</b>	<b>455</b>	<b>2355609</b>	<b>45370</b>	<b>159466</b>	<b>204836</b>	<b>2560445</b>
2018-19	27353	27323	27460	27284	25662	0	28767	0	163849	449	2311117	44514	156453	200967	2512084
2017-18	28545	28475	28365	28308	23906	12650	7281	0	157530	432	2217160	40056	140785	180841	2398001
2016-17	26760	26825	26900	26148	19968	16234	0	0	142835	391	1991323	33604	118106	151710	2143033
2015-16	29049	28933	21157	28734	25396	22623	0	5810	161702	442	2237471	39792	139858	179650	2417121

कार्बनीकृत कोयला (आर्द्र)  
COAL CARBONISED (WET)

C.O. & B.P.P.		Unit - Tonne						Table No. 5.3 (Contd.)					
PERIOD	PRIME						MEDIUM						
	Dugda / Bhojudih**	Munidih	Mahuda/ Madhuban	Chasnala	Belatand/ Jamadoba	Total	Kathara	Rajrappa	Mahuda	Kedla	Kargali	Swang	Total
APR'19	22660	0	3213	9230	0	35103	10867	7651	0	0	815	0	19333
MAY	10690	15418	1461	9722	0	37291	0	0	0	0	4434	12969	17403
JUN	6881	3182	0	15888	0	25951	3816	6236	0	0	4038	6446	20536
<b>1ST QTR.</b>	<b>40231</b>	<b>18600</b>	<b>4674</b>	<b>34840</b>	<b>0</b>	<b>98345</b>	<b>14683</b>	<b>13887</b>	<b>0</b>	<b>0</b>	<b>9287</b>	<b>19415</b>	<b>57272</b>
JULY	5745	1341	2313	18514	0	27913	0	4633	0	15075	2195	651	22554
AUG	6779	5477	952	9872	0	23080	0	0	0	0	814	23232	24046
SEP	3710	3817	0	13954	0	21481	4528	3839	0	0	2321	7456	18144
<b>2ND QTR.</b>	<b>16234</b>	<b>10635</b>	<b>3265</b>	<b>42340</b>	<b>0</b>	<b>72474</b>	<b>4528</b>	<b>8472</b>	<b>0</b>	<b>15075</b>	<b>5330</b>	<b>31339</b>	<b>64744</b>
OCT	5310	3234	0	16961	0	25505	1155	3948	0	3798	3658	0	12559
NOV	2736	9289	4337	13372	0	29734	2963	0	0	7409	2682	0	13054
DEC	2313	10621	0	11489	0	24423	1860	9105	0	0	1540	0	12505
<b>3RD QTR.</b>	<b>10359</b>	<b>23144</b>	<b>4337</b>	<b>41822</b>	<b>0</b>	<b>79662</b>	<b>5978</b>	<b>13053</b>	<b>0</b>	<b>11207</b>	<b>7880</b>	<b>0</b>	<b>38118</b>
JAN'20	1172	3245	2764	17101	0	24282	753	8812	0	0	2578	0	12143
FEB	2232	7073	789	18697	0	28791	4462	0	0	4124	4998	0	13584
MAR	2261	4103	1043	28594	0	36001	2144	3635	0	4286	761	0	10826
<b>4TH QTR.</b>	<b>5665</b>	<b>14421</b>	<b>4596</b>	<b>64392</b>	<b>0</b>	<b>89074</b>	<b>7359</b>	<b>12447</b>	<b>0</b>	<b>8410</b>	<b>8337</b>	<b>0</b>	<b>36553</b>
<b>2019-20</b>	<b>72489</b>	<b>66800</b>	<b>16872</b>	<b>183394</b>	<b>0</b>	<b>339555</b>	<b>32548</b>	<b>47859</b>	<b>0</b>	<b>34692</b>	<b>30834</b>	<b>50754</b>	<b>196687</b>
2018-19	109046	99418	7953	157306	0	373723	19348	47778	0	56372	16337	24883	164718
2017-18	100802	110585	15803	167311	36396	430897	8585	83931	0	174344	0	3045	269905
2016-17	126996	150200	38889	124432	16045	456562	23163	111576	0	113864	0	10414	259017
2015-16	88747	44210	16250	47365	0	196572	75988	95684	1959	82270	2128	4297	262326

**कार्बनीकृत कोयला (आर्द्र)**  
**COAL CARBONISED (WET)**

C.O. & B.P.P.		Unit - Tonne									Table No. 5.3 (Contd.)	
PERIOD	INDIGENOUS	IMPORTED									Grand Total	
	Total	Australia Hard	USA Hard	Newzealand Hard	Benga Hard	indonesia Hard	Canada Hard	Australia Soft	USA Soft	Total		
APR'19	54436	97516	56397	0	0	18127	27776	35226	30736	265778	320214	
MAY	54694	115832	45453	0	30	16591	32405	33246	33246	276803	331497	
JUN	46487	118829	34880	0	14588	18616	20637	53954	12745	274249	320736	
<b>1ST QTR.</b>	<b>155617</b>	<b>332177</b>	<b>136730</b>	<b>0</b>	<b>14618</b>	<b>53334</b>	<b>80818</b>	<b>122426</b>	<b>76727</b>	<b>816830</b>	<b>972447</b>	
JULY	50467	115535	49701	0	19116	10971	13420	72146	0	280889	331356	
AUG	47126	114092	58430	0	23878	0	25424	62000	0	283824	330950	
SEP	39625	119414	16501	0	32902	9767	18982	47433	12601	257600	297225	
<b>2ND QTR.</b>	<b>137218</b>	<b>349041</b>	<b>124632</b>	<b>0</b>	<b>75896</b>	<b>20738</b>	<b>57826</b>	<b>181579</b>	<b>12601</b>	<b>822313</b>	<b>959531</b>	
OCT	38064	137800	6740	0	27065	23968	0	32928	32930	261431	299495	
NOV	42788	130262	14921	0	23337	13346	0	31694	31693	245253	288041	
DEC	36928	134776	26303	0	33169	3690	68	33551	29502	261059	297987	
<b>3RD QTR.</b>	<b>117780</b>	<b>402838</b>	<b>47964</b>	<b>0</b>	<b>83571</b>	<b>41004</b>	<b>68</b>	<b>98173</b>	<b>94125</b>	<b>767743</b>	<b>885523</b>	
JAN'20	36425	131607	30355	0	30355	8036	0	39460	27325	267138	303563	
FEB	42375	138409	32979	0	1122	30104	125	46262	4648	253649	296024	
MAR	46827	142793	37467	0	261	21858	558	45963	16475	265375	312202	
<b>4TH QTR.</b>	<b>125627</b>	<b>412809</b>	<b>100801</b>	<b>0</b>	<b>31738</b>	<b>59998</b>	<b>683</b>	<b>131685</b>	<b>48448</b>	<b>786162</b>	<b>911789</b>	
<b>2019-20</b>	<b>536242</b>	<b>1496865</b>	<b>410127</b>	<b>0</b>	<b>205823</b>	<b>175074</b>	<b>139395</b>	<b>533863</b>	<b>231901</b>	<b>3193048</b>	<b>3729290</b>	
2018-19	538441	1348584	442038	79	227409	101315	219350	752466	0	3091241	3629682	
2017-18	700802	1361103	562892	25890	162243	123625	27608	502985	0	2766346	3467148	
2016-17	715579	1511621	294162	116223	22036	0	14310	428471	0	2386823	3102402	
2015-16	458898	1848409	386690	143838	284591	0	0	315811	0	2979339	3438237	

कार्बनीकृत कोयला (शुष्क)  
COAL CARBONISED (DRY)

C.O. & B.P.P.		Unit - Tonne											Table No. 5.3 (Contd.)
PERIOD	PRIME						MEDIUM						Total
	Dugda / Bhojudih**	Munidih	Mahuda/ Madhuban	Chasnala	Bltd/ Jmdb	Total	Kathara	Rajrappa	Mahuda	Kedla	Kargali	Swang	
APR'19	20890	0	2962	8509	0	32361	10018	7054	0	0	751	0	17823
MAY	9740	14047	1331	8858	0	33976	0	0	0	0	4040	11816	15856
JUN	6269	2899	0	14476	0	23644	3477	5682	0	0	3679	5873	18711
<b>1ST QTR.</b>	<b>36899</b>	<b>16946</b>	<b>4293</b>	<b>31843</b>	<b>0</b>	<b>89981</b>	<b>13495</b>	<b>12736</b>	<b>0</b>	<b>0</b>	<b>8470</b>	<b>17689</b>	<b>52390</b>
JULY	5234	1222	2107	16869	0	25432	0	4221	0	13735	2000	593	20549
AUG	6177	4990	867	8995	0	21029	0	0	0	0	742	21167	21909
SEP	3380	3478	0	12713	0	19571	4126	3498	0	0	2115	6793	16532
<b>2ND QTR.</b>	<b>14791</b>	<b>9690</b>	<b>2974</b>	<b>38577</b>	<b>0</b>	<b>66032</b>	<b>4126</b>	<b>7719</b>	<b>0</b>	<b>13735</b>	<b>4857</b>	<b>28553</b>	<b>58990</b>
OCT	4845	2951	0	15475	0	23271	1054	3602	0	3465	3338	0	11459
NOV	2504	8501	3969	12238	0	27212	2712	0	0	6781	2454	0	11947
DEC	2117	9720	0	10514	0	22351	1702	8333	0	0	1409	0	11444
<b>3RD QTR.</b>	<b>9466</b>	<b>21172</b>	<b>3969</b>	<b>38227</b>	<b>0</b>	<b>72834</b>	<b>5468</b>	<b>11935</b>	<b>0</b>	<b>10246</b>	<b>7201</b>	<b>0</b>	<b>34850</b>
JAN'20	1073	2970	2530	15651	0	22224	689	8065	0	0	2359	0	11113
FEB	2055	6511	726	17210	0	26502	4107	0	0	3796	4601	0	12504
MAR	2102	3816	970	26592	0	33480	1994	3380	0	3986	708	0	10068
<b>4TH QTR.</b>	<b>5230</b>	<b>13297</b>	<b>4226</b>	<b>59453</b>	<b>0</b>	<b>82206</b>	<b>6790</b>	<b>11445</b>	<b>0</b>	<b>7782</b>	<b>7668</b>	<b>0</b>	<b>33685</b>
<b>2019-20</b>	<b>66386</b>	<b>61105</b>	<b>15462</b>	<b>168100</b>	<b>0</b>	<b>311053</b>	<b>29879</b>	<b>43835</b>	<b>0</b>	<b>31763</b>	<b>28196</b>	<b>46242</b>	<b>179915</b>
2018-19	100495	92109	7348	144932	0	344884	17822	44065	0	51996	15115	22859	151857
2017-18	93399	102674	14640	154875	33659	399247	7932	77698	0	161369	0	2789	249788
2016-17	118487	140244	36352	115896	15019	425998	21671	104262	0	106259	0	9703	241895
2015-16	84432	42155	15437	44858	0	186882	72115	91001	1858	78042	2018	4078	249112

**कार्बनीकृत कोयला (शुष्क)**  
**COAL CARBONISED (DRY)**

C.O. & B.P.P.		Unit - Tonne									Table No. 5.3
PERIOD	INDIGENOUS	IMPORTED									Grand Total
	Total	Australia Hard	USA Hard	Newzealand Hard	Benga Hard	indonesia Hard	Canada Hard	Australia Soft	USA Soft	Total	
APR'19	50184	89898	51992	0	0	16711	25606	32474	28335	245016	295200
MAY	49832	105534	41412	0	27	15116	29524	30290	30291	252194	302026
JUN	42355	108267	31780	0	13292	16961	18803	49158	11612	249873	292228
<b>1ST QTR.</b>	<b>142371</b>	<b>303699</b>	<b>125184</b>	<b>0</b>	<b>13319</b>	<b>48788</b>	<b>73933</b>	<b>111922</b>	<b>70238</b>	<b>747083</b>	<b>889454</b>
JULY	45981	105266	45283	0	17417	9996	12227	65733	0	255922	301903
AUG	42938	103951	53237	0	21756	0	23164	56489	0	258597	301535
SEP	36103	108799	15034	0	29977	8899	17295	43217	11481	234702	270805
<b>2ND QTR.</b>	<b>125022</b>	<b>318016</b>	<b>113554</b>	<b>0</b>	<b>69150</b>	<b>18895</b>	<b>52686</b>	<b>165439</b>	<b>11481</b>	<b>749221</b>	<b>874243</b>
OCT	34730	125731	6150	0	24695	21869	0	30044	30046	238535	273265
NOV	39159	119213	13655	0	21358	12214	0	29006	29005	224451	263610
DEC	33795	123344	24072	0	30356	3377	62	30705	27000	238916	272711
<b>3RD QTR.</b>	<b>107684</b>	<b>368288</b>	<b>43877</b>	<b>0</b>	<b>76409</b>	<b>37460</b>	<b>62</b>	<b>89755</b>	<b>86051</b>	<b>701902</b>	<b>809586</b>
JAN'20	33337	120445	27780	0	27780	7354	0	36113	25007	244479	277816
FEB	39006	127404	30357	0	1033	27710	115	42583	4278	233480	272486
MAR	43548	132795	34844	0	243	20327	519	42745	15321	246794	290342
<b>4TH QTR.</b>	<b>115891</b>	<b>380644</b>	<b>92981</b>	<b>0</b>	<b>29056</b>	<b>55391</b>	<b>634</b>	<b>121441</b>	<b>44606</b>	<b>724753</b>	<b>840644</b>
<b>2019-20</b>	<b>490968</b>	<b>1370647</b>	<b>375596</b>	<b>0</b>	<b>187934</b>	<b>160534</b>	<b>127315</b>	<b>488557</b>	<b>212376</b>	<b>2922959</b>	<b>3413927</b>
2018-19	496741	1243785	409189	73	209936	93543	202388	693790	0	2852704	3349445
2017-18	649035	1262051	521273	23843	151066	114401	25755	465818	0	2564207	3213242
2016-17	667893	1411624	274211	108522	20549	13204	0	399989	0	2228099	2895992
2015-16	435994	1756018	367146	136618	270391	0	0	300213	0	2830386	3266380

प्रभारित कोयला में मिश्रानुपात  
BLEND RATIO IN COAL CHARGED

C.O. &amp; B.P.P.

Unit : %

Table No. 5.4 (Contd.)

PERIOD	PRIME					Total	MEDIUM					Swang	Total
	Dugda / Bhojudih**	Munidih	Mahuda/ Madhuban	Chasnala	Bltd/ Jmdb		Kathara	Rajrappa	Mahuda	Kedla	Kargali		
APR'19	7.08	0.00	1.00	2.88	0.00	10.96	3.39	2.39	0.00	0.00	0.25	0.00	6.04
MAY	3.22	4.65	0.44	2.93	0.00	11.25	0.00	0.00	0.00	0.00	1.34	3.91	5.25
JUN	2.15	0.99	0.00	4.95	0.00	8.09	1.19	1.94	0.00	0.00	1.26	2.01	6.40
<b>1ST QTR.</b>	<b>4.14</b>	<b>1.91</b>	<b>0.48</b>	<b>3.58</b>	<b>0.00</b>	<b>10.11</b>	<b>1.51</b>	<b>1.43</b>	<b>0.00</b>	<b>0.00</b>	<b>0.96</b>	<b>2.00</b>	<b>5.89</b>
JULY	1.73	0.40	0.70	5.59	0.00	8.42	0.00	1.40	0.00	4.55	0.66	0.20	6.81
AUG	2.05	1.65	0.29	2.98	0.00	6.97	0.00	0.00	0.00	0.00	0.25	7.02	7.27
SEP	1.25	1.28	0.00	4.69	0.00	7.23	1.52	1.29	0.00	0.00	0.78	2.51	6.10
<b>2ND QTR.</b>	<b>1.69</b>	<b>1.11</b>	<b>0.34</b>	<b>4.41</b>	<b>0.00</b>	<b>7.55</b>	<b>0.47</b>	<b>0.88</b>	<b>0.00</b>	<b>1.57</b>	<b>0.56</b>	<b>3.27</b>	<b>6.75</b>
OCT	1.77	1.08	0.00	5.66	0.00	8.52	0.39	1.32	0.00	1.27	1.22	0.00	4.19
NOV	0.95	3.22	1.51	4.64	0.00	10.32	1.03	0.00	0.00	2.57	0.93	0.00	4.53
DEC	0.78	3.56	0.00	3.86	0.00	8.20	0.62	3.06	0.00	0.00	0.52	0.00	4.20
<b>3RD QTR.</b>	<b>1.17</b>	<b>2.61</b>	<b>0.49</b>	<b>4.72</b>	<b>0.00</b>	<b>9.00</b>	<b>0.68</b>	<b>1.47</b>	<b>0.00</b>	<b>1.27</b>	<b>0.89</b>	<b>0.00</b>	<b>4.30</b>
JAN'20	0.39	1.07	0.91	5.63	0.00	8.00	0.25	2.90	0.00	0.00	0.85	0.00	4.00
FEB	0.75	2.39	0.27	6.32	0.00	9.73	1.51	0.00	0.00	1.39	1.69	0.00	4.59
MAR	0.72	1.31	0.33	9.16	0.00	11.53	0.69	1.16	0.00	1.37	0.24	0.00	3.47
<b>4TH QTR.</b>	<b>0.62</b>	<b>1.58</b>	<b>0.50</b>	<b>7.06</b>	<b>0.00</b>	<b>9.77</b>	<b>0.81</b>	<b>1.37</b>	<b>0.00</b>	<b>0.92</b>	<b>0.91</b>	<b>0.00</b>	<b>4.01</b>
<b>2019-20</b>	<b>1.94</b>	<b>1.79</b>	<b>0.45</b>	<b>4.92</b>	<b>0.00</b>	<b>9.11</b>	<b>0.87</b>	<b>1.28</b>	<b>0.00</b>	<b>0.93</b>	<b>0.83</b>	<b>1.36</b>	<b>5.27</b>
<b>2018-19</b>	<b>3.00</b>	<b>2.74</b>	<b>0.22</b>	<b>4.33</b>	<b>0.00</b>	<b>10.30</b>	<b>0.53</b>	<b>1.32</b>	<b>0.00</b>	<b>1.55</b>	<b>0.45</b>	<b>0.69</b>	<b>4.54</b>
<b>2017-18</b>	<b>2.91</b>	<b>3.19</b>	<b>0.46</b>	<b>4.83</b>	<b>1.05</b>	<b>12.43</b>	<b>0.25</b>	<b>2.42</b>	<b>0.00</b>	<b>5.03</b>	<b>0.00</b>	<b>0.09</b>	<b>7.78</b>
<b>2016-17</b>	<b>4.09</b>	<b>4.84</b>	<b>1.25</b>	<b>4.01</b>	<b>0.52</b>	<b>14.72</b>	<b>0.75</b>	<b>3.60</b>	<b>0.00</b>	<b>3.67</b>	<b>0.00</b>	<b>0.34</b>	<b>8.35</b>
<b>2015-16</b>	<b>2.58</b>	<b>1.29</b>	<b>0.47</b>	<b>1.38</b>	<b>0.00</b>	<b>5.72</b>	<b>2.21</b>	<b>2.78</b>	<b>0.06</b>	<b>2.39</b>	<b>0.06</b>	<b>0.12</b>	<b>7.63</b>



**प्रभारित कोयला में मिश्रानुपात**  
**BLEND RATIO IN COAL CHARGED**

C.O. & B.P.P.

Unit : %

Table No. 5.4

PERIOD	Total Indigenous	IMPORTED								Total	Grand Total
		Australia Hard	USA Hard	Newzealand Hard	Benga Hard	Indonesia Hard	Canada Hard	Australia Soft	USA Soft		
APR'19	17.00	30.45	17.61	0.00	0.00	5.66	8.67	11.00	9.60	83.00	100
MAY	16.50	34.94	13.71	0.00	0.01	5.00	9.78	10.03	10.03	83.50	100
JUN	14.49	37.05	10.87	0.00	4.55	5.80	6.43	16.82	3.97	85.51	100
<b>1ST QTR.</b>	<b>16.00</b>	<b>34.16</b>	<b>14.06</b>	<b>0.00</b>	<b>1.50</b>	<b>5.48</b>	<b>8.31</b>	<b>12.59</b>	<b>7.89</b>	<b>84.00</b>	<b>100</b>
JULY	15.23	34.87	15.00	0.00	5.77	3.31	4.05	21.77	0.00	84.77	100
AUG	14.24	34.47	17.66	0.00	7.21	0.00	7.68	18.73	0.00	85.76	100
SEP	13.33	40.18	5.55	0.00	11.07	3.29	6.39	15.96	4.24	86.67	100
<b>2ND QTR.</b>	<b>14.30</b>	<b>36.38</b>	<b>12.99</b>	<b>0.00</b>	<b>7.91</b>	<b>2.16</b>	<b>6.03</b>	<b>18.92</b>	<b>1.31</b>	<b>85.70</b>	<b>100</b>
OCT	12.71	46.01	2.25	0.00	9.04	8.00	0.00	10.99	11.00	87.29	100
NOV	14.85	45.22	5.18	0.00	8.10	4.63	0.00	11.00	11.00	85.15	100
DEC	12.39	45.23	8.83	0.00	11.13	1.24	0.02	11.26	9.90	87.61	100
<b>3RD QTR.</b>	<b>13.30</b>	<b>45.49</b>	<b>5.42</b>	<b>0.00</b>	<b>9.44</b>	<b>4.63</b>	<b>0.01</b>	<b>11.09</b>	<b>10.63</b>	<b>86.70</b>	<b>100</b>
JAN'20	12.00	43.35	10.00	0.00	10.00	2.65	0.00	13.00	9.00	88.00	100
FEB	14.31	46.76	11.14	0.00	0.38	10.17	0.04	15.63	1.57	85.69	100
MAR	15.00	45.74	12.00	0.00	0.08	7.00	0.18	14.72	5.28	85.00	100
<b>4TH QTR.</b>	<b>13.78</b>	<b>45.27</b>	<b>11.06</b>	<b>0.00</b>	<b>3.48</b>	<b>6.58</b>	<b>0.07</b>	<b>14.44</b>	<b>5.31</b>	<b>86.22</b>	<b>100</b>
<b>2019-20</b>	<b>14.38</b>	<b>40.14</b>	<b>11.00</b>	<b>0.00</b>	<b>5.52</b>	<b>4.69</b>	<b>3.74</b>	<b>14.32</b>	<b>6.22</b>	<b>85.62</b>	<b>100</b>
<b>2018-19</b>	<b>14.83</b>	<b>37.15</b>	<b>12.18</b>	<b>0.00</b>	<b>6.27</b>	<b>2.79</b>	<b>6.04</b>	<b>20.73</b>	<b>-</b>	<b>85.17</b>	<b>100</b>
<b>2017-18</b>	<b>20.21</b>	<b>39.26</b>	<b>16.24</b>	<b>0.75</b>	<b>4.68</b>	<b>3.57</b>	<b>0.80</b>	<b>14.51</b>	<b>-</b>	<b>79.79</b>	<b>100</b>
<b>2016-17</b>	<b>23.07</b>	<b>48.72</b>	<b>9.48</b>	<b>3.75</b>	<b>0.71</b>	<b>-</b>	<b>0.46</b>	<b>13.81</b>	<b>-</b>	<b>76.93</b>	<b>100</b>
<b>2015-16</b>	<b>13.35</b>	<b>53.76</b>	<b>11.25</b>	<b>4.18</b>	<b>8.28</b>	<b>-</b>	<b>-</b>	<b>9.19</b>	<b>-</b>	<b>86.65</b>	<b>100</b>

**औसत कोकिंग अवधि**  
**AVERAGE COKING TIME**

C.O. & B.P.P.	Unit : Hrs : Mts								Table No. 5.5		
	PERIOD	Battery No.								Overall	
		I	II	III	IV	V	VI	VII			VIII
APR'19	20:19	20:28	20:48	21:16	22:47	-	18:48	00:00	20:40		
MAY	21:02	21:04	21:10	21:08	23:15	-	18:03	00:00	20:51		
JUN	20:18	20:24	20:44	20:47	23:10	-	18:29	00:00	20:33		
<b>1ST QTR.</b>	<b>20:33</b>	<b>20:38</b>	<b>20:54</b>	<b>21:03</b>	<b>23:04</b>	<b>-</b>	<b>18:26</b>	<b>00:00</b>	<b>20:41</b>		
JULY	20:28	21:02	21:02	21:09	23:29	-	18:49	00:00	20:54		
AUG	20:26	20:22	20:36	20:45	23:08	-	18:18	00:00	20:30		
SEP	21:51	21:51	22:20	22:32	23:44	-	20:38	00:00	22:07		
<b>2ND QTR.</b>	<b>20:53</b>	<b>21:03</b>	<b>21:17</b>	<b>21:26</b>	<b>23:26</b>	<b>-</b>	<b>19:10</b>	<b>00:00</b>	<b>21:08</b>		
OCT	22:12	22:06	23:06	24:15	24:08	-	21:06	00:00	22:45		
NOV	22:35	22:25	22:22	23:13	24:19	-	22:08	00:00	22:48		
DEC	22:34	22:27	21:52	23:14	24:22	-	21:37	00:00	22:39		
<b>3RD QTR.</b>	<b>22:26</b>	<b>22:19</b>	<b>22:26</b>	<b>23:33</b>	<b>24:16</b>	<b>-</b>	<b>21:36</b>	<b>00:00</b>	<b>22:44</b>		
JAN'20	22:33	22:31	22:41	23:02	24:35	-	19:15	00:00	22:18		
FEB	21:42	21:42	21:36	21:42	24:24	-	17:40	00:00	21:16		
MAR	21:19	21:16	21:24	21:28	25:20	-	19:15	00:00	21:31		
<b>4TH QTR.</b>	<b>21:50</b>	<b>21:48</b>	<b>21:53</b>	<b>22:03</b>	<b>24:46</b>	<b>-</b>	<b>18:43</b>	<b>00:00</b>	<b>21:42</b>		
<b>2019-20</b>	<b>21:24</b>	<b>21:26</b>	<b>21:36</b>	<b>21:59</b>	<b>23:52</b>	<b>-</b>	<b>19:24</b>	<b>00:00</b>	<b>21:32</b>		
2018-19	21:41	21:53	21:36	21:48	23:13	-	20:51	00:00	21:49		
2017-18	20:58	21:00	20:55	21:10	22:43	24:04	21:46	00:00	21:33		
2016-17	22:16	22:14	22:07	22:16	23:09	23:35	0:00	00:00	22:30		
2015-16	20:46	20:51	22:27	20:34	22:00	22:40	-	20:50	21:26		

कोक भट्टियाँ विलम्बन  
DELAYS - COKE OVENS

C.O. & B.P.P.

Unit : Hrs : Mts

Table No. 5.6

PERIOD	Operational	Mechanical	Electrical	B.F.Belt Stoppage	Traffic	Misc.	Total
APR'19	01:50	02:00	02:00	06:15	02:35	01:40	16:20
MAY	01:20	01:20	01:30	05:10	03:20	01:30	14:10
JUN	01:20	01:20	01:30	05:05	03:15	01:30	14:00
<b>1ST QTR.</b>	<b>04:30</b>	<b>04:40</b>	<b>05:00</b>	<b>16:30</b>	<b>09:10</b>	<b>04:40</b>	<b>44:30</b>
JULY	01:20	01:20	01:30	05:00	03:10	01:30	13:50
AUG	01:30	01:30	01:40	05:00	03:10	01:40	14:30
SEP	01:40	01:50	01:50	05:10	03:20	01:50	15:40
<b>2ND QTR.</b>	<b>04:30</b>	<b>04:40</b>	<b>05:00</b>	<b>15:10</b>	<b>09:40</b>	<b>05:00</b>	<b>44:00</b>
OCT	01:20	01:35	01:35	04:45	03:10	01:50	14:15
NOV	01:40	01:45	01:55	04:55	03:20	01:55	15:30
DEC	01:35	01:35	01:50	04:55	03:20	01:55	15:10
<b>3RD QTR.</b>	<b>04:35</b>	<b>04:55</b>	<b>05:20</b>	<b>14:35</b>	<b>09:50</b>	<b>05:40</b>	<b>44:55</b>
JAN'20	01:35	01:30	01:45	04:50	03:20	01:50	14:50
FEB	01:40	01:25	01:50	04:40	03:10	01:40	14:25
MAR	01:45	01:30	01:55	04:40	03:20	01:40	14:50
<b>4TH QTR.</b>	<b>05:00</b>	<b>04:25</b>	<b>05:30</b>	<b>14:10</b>	<b>09:50</b>	<b>05:10</b>	<b>44:05</b>
<b>2019-20</b>	<b>18:35</b>	<b>18:40</b>	<b>20:50</b>	<b>60:25</b>	<b>38:30</b>	<b>20:30</b>	<b>177:30</b>
2018-19	19:35	19:15	21:25	69:20	36:55	20:35	187:05
2017-18	12:05	09:30	08:45	59:05	35:55	25:10	150:30
2016-17	06:55	08:40	08:00	77:25	38:30	20:25	159:55
2015-16	14:18	14:37	15:59	41:55	29:50	19:20	135:59

उपोत्पादों का उत्पादन  
PRODUCTION OF BY- PRODUCTS

C.O. & B.P.P.

Unit - Tonne

Table No. 5.7(Contd.)

PERIOD	RECOVERY PLANT			Sul-phuric Acid	TAR DISTILLATION PLANT							
	Amm. Sul-phate	Crude Tar	Crude Benzol		Tar Distilled	Coal Tar Wash Oil	Naphtha -lene	Extra Hard Pitch	Total Pitch	Pitch Cresote Mixture	Hard Medium Pitch	RT-4 Road Tar
APR'19	2890	9445	505	2135	2928	115	140	275	1610	2195	200	0
MAY	3020	9666	405	1440	2304	105	110	25	1267	2065	0	0
JUN	3070	9207	600	2080	3312	130	160	200	1822	2770	50	0
<b>1ST QTR.</b>	<b>8980</b>	<b>28318</b>	<b>1510</b>	<b>5655</b>	<b>8544</b>	<b>350</b>	<b>410</b>	<b>500</b>	<b>4699</b>	<b>7030</b>	<b>250</b>	<b>0</b>
JULY	2650	9605	550	249	3120	125	150	275	1716	2445	125	0
AUG	3050	9650	290	2035	3744	140	180	250	2059	3025	150	0
SEP	2450	8675	435	2200	1920	70	91	50	1056	1650	50	0
<b>2ND QTR.</b>	<b>8150</b>	<b>27930</b>	<b>1275</b>	<b>4484</b>	<b>8784</b>	<b>335</b>	<b>421</b>	<b>575</b>	<b>4831</b>	<b>7120</b>	<b>325</b>	<b>0</b>
OCT	2530	8690	430	1041	1248	45	60	75	686	1065	0	0
NOV	2510	8425	410	1950	3360	100	160	275	1848	2650	175	0
DEC	2530	8725	390	2615	3840	90	185	200	2112	3265	100	0
<b>3RD QTR.</b>	<b>7570</b>	<b>25840</b>	<b>1230</b>	<b>5606</b>	<b>8448</b>	<b>235</b>	<b>405</b>	<b>550</b>	<b>4646</b>	<b>6980</b>	<b>275</b>	<b>0</b>
JAN'20	2580	8880	445	2450	2496	55	120	150	1373	1970	200	0
FEB	2450	8650	400	2070	634	15	30	0	349	515	75	0
MAR	2470	9148	540	1935	5424	90	264	350	2983	4595	125	0
<b>4TH QTR.</b>	<b>7500</b>	<b>26678</b>	<b>1385</b>	<b>6455</b>	<b>8554</b>	<b>160</b>	<b>414</b>	<b>500</b>	<b>4705</b>	<b>7080</b>	<b>400</b>	<b>0</b>
<b>2019-20</b>	<b>32200</b>	<b>108766</b>	<b>5400</b>	<b>22200</b>	<b>34330</b>	<b>1080</b>	<b>1650</b>	<b>2125</b>	<b>18881</b>	<b>28210</b>	<b>1250</b>	<b>0</b>
2018-19	27250	102370	6710	19080	41050	1250	1975	2175	22578	34295	1225	110
2017-18	27930	95000	4120	19060	46584	1020	2240	2550	25619	38795	1600	320
2016-17	25650	85200	3450	9545	40995	710	1960	2500	21575	34000	1350	450
2015-16	29000	96570	1600	11800	32301	700	1550	2100	17260	26800	350	800

खपत  
CONSUMPTION

Table No. 5.7

C.O. &amp; B.P.P.

PERIOD	CONSPN.OF WASH OIL		CONSPN.OF SULPHURIC ACID		CONSPN.OF SULPHUR	
	Total	Kg/t of Crude Benzol	Total	Kg/t of Amm. Sulphate	Total	Kg/t of Sulphuric Acid
APR'19	108.6	215.0	2166	749.5	768.6	360
MAY	87.1	215.0	2270	751.7	518.4	360
JUN	129.0	215.0	2303	750.2	732.5	352
<b>1ST QTR.</b>	<b>324.65</b>	<b>215.0</b>	<b>6739</b>	<b>750.4</b>	<b>2019.5</b>	<b>357</b>
JULY	118.3	215.0	1977	746.0	87.2	350
AUG	62.35	215.0	2298	753.4	712.3	350
SEP	95.4	219.3	1840	751.0	770.0	350
<b>2ND QTR.</b>	<b>276</b>	<b>216.5</b>	<b>6115</b>	<b>750.3</b>	<b>1569.4</b>	<b>350</b>
OCT	94.6	220.0	1900	751.0	364.4	350
NOV	88.15	215.0	1888	752.2	682.5	350
DEC	83.85	215.0	1905	753.0	915.25	350
<b>3RD QTR.</b>	<b>266.6</b>	<b>216.7</b>	<b>5693</b>	<b>752.0</b>	<b>1962.1</b>	<b>350</b>
JAN'20	95.7	215.0	1962	760.5	877.8	358
FEB	84.0	210.0	1858	758.4	745.2	360
MAR	113.4	210.0	1920	777.3	699.4	361
<b>4TH QTR.</b>	<b>293.1</b>	<b>211.6</b>	<b>5740</b>	<b>765.3</b>	<b>2322.3</b>	<b>360</b>
<b>2019-20</b>	<b>1160.3</b>	<b>214.9</b>	<b>24287</b>	<b>754.3</b>	<b>7873.3</b>	<b>355</b>
2018-19	1513.9	225.6	20475	751.4	7065.2	370
2017-18	1030.0	250.0	21240	760.5	7278.8	382
2016-17	854.5	247.7	19650	766.1	3807.7	399
2015-16	360.0	225.0	22613	779.8	4723.0	400

## सेवाओं की खपत CONSUMPTION OF SERVICES

Table No. 5.8

C.O. & B.P.P. PERIOD	Total Consumption						Per Tonne of Dry Coal Charged							Electricity/T of BF Coke (KWH)
	Steam (t)	Water (10 <sup>3</sup> m <sup>3</sup> )	Electricity (MWH)	C.O. Gas (10 <sup>3</sup> m <sup>3</sup> )	B.F.Gas (10 <sup>3</sup> m <sup>3</sup> )	Refractory (t)	Steam (Kg)	Water (m <sup>3</sup> )	Electricity (KWH)	C.O. Gas (m <sup>3</sup> )	B.F.Gas (m <sup>3</sup> )	Ref. (Kg)	Heat (10 <sup>6</sup> KCal)	
APR'19	21982	144	5453.9	32161	85239	104.0	74.5	0.49	18.5	108.9	288.8	0.35	0.672	26.78
MAY	19523	148	5555.4	29109	101478	135.5	64.6	0.49	18.4	96.4	336.0	0.45	0.671	26.66
JUN	17080	144	5457.2	28804	90223	28.2	58.4	0.49	18.7	98.6	308.7	0.10	0.669	27.06
<b>1ST QTR.</b>	<b>58585</b>	<b>436</b>	<b>16466.5</b>	<b>90074</b>	<b>276940</b>	<b>267.6</b>	<b>65.9</b>	<b>0.49</b>	<b>18.5</b>	<b>101.3</b>	<b>311.4</b>	<b>0.30</b>	<b>0.671</b>	<b>26.83</b>
JULY	19482	146	5334.3	29279	102540	82.9	64.5	0.48	17.7	97.0	339.6	0.27	0.697	25.61
AUG	19155	148	5492.4	31038	103346	35.1	63.5	0.49	18.2	102.9	342.7	0.12	0.721	26.40
SEP	17575	142	5387.1	27219	91812	142.7	64.9	0.52	19.9	100.5	339.0	0.53	0.707	28.83
<b>2ND QTR.</b>	<b>56212</b>	<b>436</b>	<b>16213.8</b>	<b>87536</b>	<b>297698</b>	<b>260.7</b>	<b>64.3</b>	<b>0.50</b>	<b>18.5</b>	<b>100.1</b>	<b>340.5</b>	<b>0.30</b>	<b>0.708</b>	<b>26.88</b>
OCT	17364	149	5622.6	24930	103333	104.9	63.5	0.55	20.6	91.2	378.1	0.38	0.696	29.82
NOV	16356	140	5186.0	24385	92976	68.8	62.0	0.53	19.7	92.5	352.7	0.26	0.685	28.51
DEC	17434	145	5435.2	23399	102444	139.0	63.9	0.53	19.9	85.8	375.7	0.51	0.678	28.88
<b>3RD QTR.</b>	<b>51154</b>	<b>434</b>	<b>16243.8</b>	<b>72714</b>	<b>298753</b>	<b>312.6</b>	<b>63.2</b>	<b>0.54</b>	<b>20.1</b>	<b>89.8</b>	<b>369.0</b>	<b>0.39</b>	<b>0.686</b>	<b>29.08</b>
JAN'20	16712	147	5483.3	23358	108746	97.3	60.2	0.53	19.7	84.1	391.4	0.35	0.675	28.60
FEB	13320	134	4980.9	22869	108930	159.0	48.9	0.49	18.3	83.9	399.8	0.58	0.680	26.49
MAR	21066	149	5257.8	26266	110658	56.2	72.6	0.51	18.1	90.5	381.1	0.19	0.681	26.24
<b>4TH QTR.</b>	<b>51098</b>	<b>430</b>	<b>15722.0</b>	<b>72493</b>	<b>328334</b>	<b>312.56</b>	<b>60.8</b>	<b>0.51</b>	<b>18.7</b>	<b>86.2</b>	<b>390.6</b>	<b>0.37</b>	<b>0.679</b>	<b>27.10</b>
<b>2019-20</b>	<b>217049</b>	<b>1736</b>	<b>64646.1</b>	<b>322817</b>	<b>1201725</b>	<b>1153.5</b>	<b>63.6</b>	<b>0.51</b>	<b>18.9</b>	<b>94.6</b>	<b>352.0</b>	<b>0.34</b>	<b>0.686</b>	<b>27.44</b>
2018-19	210824	1726	65223.5	381377	1031347	1091.0	62.9	0.52	19.5	113.9	307.9	0.33	0.709	28.22
2017-18	232396	1715	64767.0	349778	1230865	1155.3	72.3	0.53	20.2	108.9	383.1	0.36	0.733	29.21
2016-17	237517	1644	63923.9	337085	876655	1219.5	82.0	0.57	22.1	116.4	302.7	0.42	0.714	32.10
2015-16	605000	1708	63432.7	364032	925084	1266.7	185.2	0.52	19.4	111.4	283.2	0.39	0.658	28.35

**SINTERING PLANT**

सारांश  
SUMMARY



## SINTERING PLANT

Table No. 6.1 (Contd.)

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1.0</b>	<b>PRODUCTION OF GROSS SINTER</b>						
	- Machine No. - I	Tonne	1848930	2063560	1808744	1667751	1657252
	- Machine No. - II	"	1897267	2001085	1992126	1576552	1581306
	- Machine No. - III	"	1934752	1805455	1805917	1566069	1456471
	<b>-Total</b>	"	<b>5680949</b>	<b>5870100</b>	<b>5606787</b>	<b>4810372</b>	<b>4695029</b>
<b>2.0</b>	<b>CONSPN. OF RAW MATERIALS</b>						
	<b>Per Tonne of Gross Sinter</b>						
	- Iron Ore Fines	Kg	735	749	742	750	770
	- Lime Stone	"	123	99	92	82	69
	- Dolomite	"	110	96	85	83	119
	- Lime+Dolo(Salvaged)	"	0	0	0	0	7
	- Coke Breeze	"	66	61	57	67	67
	- Lime Dust	"	0.3	1	1	2	2
	- Mill Scale	"	9	10	12	13	10
	- Flue Dust	"	6	7	7	8	8
	- L .D. Slag	"	27	23	25	28	25
	<b>-Total</b>	"	<b>1075</b>	<b>1044</b>	<b>1020</b>	<b>1032</b>	<b>1077</b>
	- Sinter Return	"	301	301	297	303	308
	<b>- Total Raw Materials</b>	"	<b>1376</b>	<b>1345</b>	<b>1317</b>	<b>1335</b>	<b>1385</b>



# बारांश SUMMARY

## SINTERING PLANT

Table No. 6.1

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>3.0</b>	<b>YIELD FROM TOTAL INPUT</b>						
	- Gross Sinter	%	72.65	74.34	75.93	74.88	72.21
<b>4.0</b>	<b>PRODUCTIVITY OF SINTER MACHINES</b>						
	<b>- Per Working Hour</b>						
	- Machine - I	Tonne	317	296	292	286	276
	- Machine - II	"	262	273	274	268	253
	- Machine - III	"	273	263	260	266	249
	- Overall	"	282	277	275	273	260
	<b>- Per Unit Hearth Area</b>						
	- Machine - I	t/m <sup>2</sup> /hr	1.258	1.176	1.159	1.134	1.097
	- Machine - II	"	1.040	1.082	1.086	1.063	1.006
	- Machine - III	"	1.083	1.043	1.032	1.055	0.989
	- Overall	"	1.118	1.100	1.089	1.084	1.031
<b>5.0</b>	<b>BASICITY OF SINTER</b>	$\frac{\text{CaO}}{\text{SiO}_2}$	1.75	1.89	1.89	1.88	1.95

सिंटर का उत्पादन एवं लब्धि  
PRODUCTION AND YIELD OF SINTER

SINTERING PLANT

Table No. 6.2

PERIOD	PRODUCTION ( t )				Yield of Gross Sinter from total Raw Material Charged (%)
	M/C-I	Gross Sinter M/C-II	M/C-III	Total	
APR'19	191077	163206	87555	441838	72.46
MAY	194764	149117	123172	467053	73.21
JUN	198410	140106	141731	480247	73.24
<b>1ST QTR</b>	<b>584251</b>	<b>452429</b>	<b>352458</b>	<b>1389138</b>	<b>72.98</b>
JUL	197592	170013	169055	536660	71.33
AUG	199066	103363	176098	478527	71.16
SEP	196232	156552	155561	508345	71.84
<b>2ND QTR</b>	<b>592890</b>	<b>429928</b>	<b>500714</b>	<b>1523532</b>	<b>71.45</b>
OCT	143247	162522	170075	475844	72.24
NOV	92975	170169	161071	424215	72.28
DEC	116811	175113	179360	471284	72.39
<b>3RD QTR</b>	<b>353033</b>	<b>507804</b>	<b>510506</b>	<b>1371343</b>	<b>72.31</b>
JAN'20	125900	167094	178027	471021	74.30
FEB	107346	157430	188894	453670	74.31
MAR	85510	182582	204153	472245	73.48
<b>4TH.QTR</b>	<b>318756</b>	<b>507106</b>	<b>571074</b>	<b>1396936</b>	<b>74.02</b>
<b>2019-20</b>	<b>1848930</b>	<b>1897267</b>	<b>1934752</b>	<b>5680949</b>	<b>72.65</b>
2018-19	2063560	2001085	1805455	5870100	74.34
2017-18	1808744	1992126	1805917	5606787	75.93
2016-17	1667751	1576552	1566069	4810372	74.88
2015-16	1657252	1581306	1456471	4695029	72.21

सिंटर मशीनों की उत्पादकता  
PRODUCTIVITY OF SINTER MACHINES

## SINTERING PLANT

Table No. 6.3

PERIOD	AVERAGE M/C OUTPUT (t / m <sup>2</sup> / hr.)				AVERAGE PRODUCTION PER HOUR WORKED ( t )			
	M/C-I	M/C-II	M/C-III	OVERALL	M/C-I	M/C-II	M/C-III	OVERALL
APR'19	1.145	1.017	1.012	1.068	289	256	255	269
MAY	1.135	0.933	0.953	1.014	286	235	240	256
JUN	1.269	0.949	1.009	1.081	320	239	254	272
<b>1ST QTR</b>	<b>1.181</b>	<b>0.967</b>	<b>0.990</b>	<b>1.053</b>	<b>298</b>	<b>244</b>	<b>249</b>	<b>265</b>
JUL	1.195	1.011	1.096	1.100	301	255	276	277
AUG	1.226	1.037	1.085	1.128	309	261	273	284
SEP	1.304	1.083	1.066	1.153	329	273	269	290
<b>2ND QTR</b>	<b>1.240</b>	<b>1.043</b>	<b>1.083</b>	<b>1.126</b>	<b>312</b>	<b>263</b>	<b>273</b>	<b>284</b>
OCT	1.234	1.073	1.055	1.110	311	270	266	280
NOV	1.181	1.062	0.996	1.059	298	268	251	267
DEC	1.655	1.121	1.122	1.219	417	282	283	307
<b>3RD QTR</b>	<b>1.330</b>	<b>1.085</b>	<b>1.057</b>	<b>1.128</b>	<b>335</b>	<b>274</b>	<b>266</b>	<b>284</b>
JAN'20	1.541	1.057	1.081	1.165	388	266	272	293
FEB	1.468	1.030	1.221	1.192	370	260	308	300
MAR	1.112	1.106	1.229	1.157	280	279	310	292
<b>4TH.QTR</b>	<b>1.376</b>	<b>1.065</b>	<b>1.176</b>	<b>1.171</b>	<b>347</b>	<b>268</b>	<b>296</b>	<b>295</b>
<b>2019-20</b>	<b>1.258</b>	<b>1.040</b>	<b>1.083</b>	<b>1.118</b>	<b>317</b>	<b>262</b>	<b>273</b>	<b>282</b>
2018-19	1.176	1.082	1.043	1.100	296	273	263	277
2017-18	1.159	1.086	1.032	1.089	292	274	260	275
2016-17	1.134	1.063	1.055	1.084	286	268	266	273
2015-16	1.097	1.006	0.989	1.031	276	253	249	260

CONSUMPTION OF RAW MATERIALS ( WET ) ( 111 )

कच्चे माल की खपत ( आर्द्र )  
CONSUMPTION OF RAW MATERIALS ( WET )

SINTERING PLANT

Unit - Tonne

Table No.6.4

PERIOD	Raw Materials				Coke Breeze	Waste Materials				Total Raw Materials	Sinter Return	Grand Total
	Iron Ore Fines	Lime Stone	Dolomite* Lime+Dolo	Salvaged Lime+Dolo		Lime Dust	Mill Scale	Flue Dust	L.D. Slag			
APR'19	332279	51567	41676	0	28278	240	3920	4400	13680	476040	133691	609731
MAY	351190	50433	47992	0	29891	280	4340	3410	9138	496674	141321	637995
JUN	361141	53000	47844	0	30736	150	4200	4675	8698	510444	145313	655757
<b>1ST QTR</b>	<b>1044610</b>	<b>155000</b>	<b>137512</b>	<b>0</b>	<b>88905</b>	<b>670</b>	<b>12460</b>	<b>12485</b>	<b>31516</b>	<b>1483158</b>	<b>420325</b>	<b>1903483</b>
JUL	402495	61289	67800	0	34346	290	5460	3190	15091	589961	162383	752344
AUG	358895	54779	61759	0	30626	30	3371	2035	16141	527636	144793	672429
SEP	381259	58800	64929	0	32534	10	3500	1155	11497	553684	153875	707559
<b>2ND QTR</b>	<b>1142649</b>	<b>174868</b>	<b>194488</b>	<b>0</b>	<b>97506</b>	<b>330</b>	<b>12331</b>	<b>6380</b>	<b>42729</b>	<b>1671281</b>	<b>461051</b>	<b>2132332</b>
OCT	346883	64919	54509	0	30454	0	4270	1540	13705	516280	142420	658700
NOV	308161	58200	48620	0	27876	0	3920	1485	11655	459917	126968	586885
DEC	340285	62637	55708	0	32047	0	3080	2915	13285	509957	141055	651012
<b>3RD QTR</b>	<b>995329</b>	<b>185756</b>	<b>158837</b>	<b>0</b>	<b>90377</b>	<b>0</b>	<b>11270</b>	<b>5940</b>	<b>38645</b>	<b>1486154</b>	<b>410443</b>	<b>1896597</b>
JAN'20	334266	61001	44834	0	32029	60	3990	3190	13615	492985	140977	633962
FEB	322253	58846	43298	0	31757	180	3570	2695	12132	474731	135783	610514
MAR	336926	61194	45482	0	33057	520	5621	4510	14013	501323	141343	642666
<b>4TH.QTR</b>	<b>993445</b>	<b>181041</b>	<b>133614</b>	<b>0</b>	<b>96843</b>	<b>760</b>	<b>13181</b>	<b>10395</b>	<b>39760</b>	<b>1469039</b>	<b>418103</b>	<b>1887142</b>
<b>2019-20</b>	<b>4176033</b>	<b>696665</b>	<b>624451</b>	<b>0</b>	<b>373631</b>	<b>1760</b>	<b>49242</b>	<b>35200</b>	<b>152650</b>	<b>6109632</b>	<b>1709922</b>	<b>7819554</b>
2018-19	4398040	580227	560788	0	356217	4660	57362	38555	134924	6130773	1765667	7896440
2017-18	4160725	513187	478015	0	320326	5040	67683	36840	137948	5719764	1663991	7383755
2016-17	3605843	393325	400804	0	322045	8100	62410	36245	136633	4965405	1458669	6424074
2015-16	3613258	324831	559587	31113	315652	9971	46385	37955	118264	5057016	1445295	6502311

\* Dolomite includes Dolo chips of 34321T in 2015-16

Page No.111

खपत दर  
CONSUMPTION RATE

## SINTERING PLANT

Unit : Kg/t of Gross Sinter

Table No. 6.5

PERIOD	Iron Ore Fines	Lime Stone	Dolomite*	Salvaged Lime+Dolo	Coke Breeze	Lime Dust	Mill Scale	Flue Dust	L.D. Slag	Total Raw Materials	Sinter Return	Grand Total
APR'19	752	117	94	0	64	0.5	9	10	31	1077	303	1380
MAY	752	108	103	0	64	0.6	9	7	20	1063	303	1366
JUN	752	110	100	0	64	0.3	9	10	18	1063	303	1365
<b>1ST QTR</b>	<b>752</b>	<b>112</b>	<b>99</b>	<b>0</b>	<b>64</b>	<b>0.5</b>	<b>9</b>	<b>9</b>	<b>23</b>	<b>1068</b>	<b>303</b>	<b>1370</b>
JUL	750	114	126	0	64	0.5	10	6	28	1099	303	1402
AUG	750	114	129	0	64	0.1	7	4	34	1103	303	1405
SEP	750	116	128	0	64	0.0	7	2	23	1089	303	1392
<b>2ND QTR</b>	<b>750</b>	<b>115</b>	<b>128</b>	<b>0</b>	<b>64</b>	<b>0.2</b>	<b>8</b>	<b>4</b>	<b>28</b>	<b>1097</b>	<b>303</b>	<b>1400</b>
OCT	729	136	115	0	64	0.0	9	3	29	1085	299	1384
NOV	726	137	115	0	66	0.0	9	4	27	1084	299	1383
DEC	722	133	118	0	68	0.0	7	6	28	1082	299	1381
<b>3RD QTR</b>	<b>726</b>	<b>135</b>	<b>116</b>	<b>0</b>	<b>66</b>	<b>0.0</b>	<b>8</b>	<b>4</b>	<b>28</b>	<b>1084</b>	<b>299</b>	<b>1383</b>
JAN'20	710	130	95	0	68	0.1	8	7	29	1047	299	1346
FEB	710	130	95	0	70	0.4	8	6	27	1046	299	1346
MAR	713	130	96	0	70	1.1	12	10	30	1062	299	1361
<b>4TH.QTR</b>	<b>711</b>	<b>130</b>	<b>96</b>	<b>0</b>	<b>69</b>	<b>0.5</b>	<b>9</b>	<b>7</b>	<b>28</b>	<b>1052</b>	<b>299</b>	<b>1351</b>
<b>2019-20</b>	<b>735</b>	<b>123</b>	<b>110</b>	<b>0</b>	<b>66</b>	<b>0.3</b>	<b>9</b>	<b>6</b>	<b>27</b>	<b>1075</b>	<b>301</b>	<b>1376</b>
2018-19	749	99	96	0	61	0.8	10	7	23	1044	301	1345
2017-18	742	92	85	0	57	0.9	12	7	25	1020	297	1317
2016-17	750	82	83	0	67	1.7	13	8	28	1032	303	1335
2015-16	770	69	119	7	67	2.1	10	8	25	1077	308	1385

भोवाओं की खपत  
CONSUMPTION OF SERVICES

## SINTERING PLANT

Table No.6.6

PERIOD	TOTAL					PER TONNE OF GROSS SINTER PRODUCED					
	Electricity (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )	B.F. Gas (10 <sup>3</sup> m <sup>3</sup> )	C.O Gas (10 <sup>3</sup> m <sup>3</sup> )	Refractory (t)	Electricity (KWH)	Water ( m <sup>3</sup> )	B.F. Gas ( m <sup>3</sup> )	C.O Gas ( m <sup>3</sup> )	Refractory ( kg )	Heat (10 <sup>6</sup> KCal)
APR'19	20424.7	3600	4969	2552	34.0	46.2	8.1	11.2	5.8	0.08	0.034
MAY	22531.5	3719	5606	2631	0.0	48.2	8.0	12.0	5.6	0.00	0.034
JUN	22214.0	3600	5996	2863	0.0	46.3	7.5	12.5	6.0	0.00	0.036
<b>1ST QTR</b>	<b>65170.2</b>	<b>10919</b>	<b>16571</b>	<b>8046</b>	<b>34.0</b>	<b>46.9</b>	<b>7.9</b>	<b>11.9</b>	<b>5.8</b>	<b>0.02</b>	<b>0.035</b>
JUL	22392.4	3711	7383	3415	0.0	41.7	6.9	13.8	6.4	0.00	0.039
AUG	21159.3	3716	6656	3168	9.7	44.2	7.8	13.9	6.6	0.02	0.040
SEP	22558.0	3580	7067	3359	40.1	44.4	7.0	13.9	6.6	0.08	0.040
<b>2ND QTR</b>	<b>66109.7</b>	<b>11007</b>	<b>21106</b>	<b>9942</b>	<b>49.8</b>	<b>43.4</b>	<b>7.2</b>	<b>13.9</b>	<b>6.5</b>	<b>0.03</b>	<b>0.040</b>
OCT	22031.0	3718	6883	3397	0.0	46.3	7.8	14.5	7.1	0.00	0.042
NOV	19968.4	3574	6110	3008	0.0	47.1	8.4	14.4	7.1	0.00	0.042
DEC	21149.3	3650	6648	3260	0.0	44.9	7.7	14.1	6.9	0.00	0.041
<b>3RD QTR</b>	<b>63148.7</b>	<b>10942</b>	<b>19641</b>	<b>9665</b>	<b>0.0</b>	<b>46.0</b>	<b>8.0</b>	<b>14.3</b>	<b>7.0</b>	<b>0.00</b>	<b>0.042</b>
JAN'20	20611.3	3640	6499	3359	0.0	43.8	7.7	13.8	7.1	0.00	0.041
FEB	19603.0	3440	6355	3217	0.0	43.2	7.6	14.0	7.1	0.00	0.041
MAR	20551.3	3660	6903	3422	0.0	43.5	7.8	14.6	7.2	0.00	0.042
<b>4TH.QTR</b>	<b>60765.6</b>	<b>10740</b>	<b>19757</b>	<b>9998</b>	<b>0.0</b>	<b>43.5</b>	<b>7.7</b>	<b>14.1</b>	<b>7.2</b>	<b>0.00</b>	<b>0.041</b>
<b>2019-20</b>	<b>255194.2</b>	<b>43608</b>	<b>77075</b>	<b>37651</b>	<b>83.8</b>	<b>44.9</b>	<b>7.7</b>	<b>13.6</b>	<b>6.6</b>	<b>0.01</b>	<b>0.039</b>
2018-19	258773.1	43768	60970	31249	161.6	44.1	7.5	10.4	5.3	0.03	0.031
2017-18	245096.1	43848	57932	28951	77.0	43.7	7.8	10.3	5.2	0.01	0.030
2016-17	208921.3	42181	47989	24369	217.4	43.4	8.8	10.0	5.1	0.05	0.029
2015-16	215633.4	43003	48965	23922	177.3	45.9	9.2	10.4	5.1	0.04	0.030

मशीन प्राप्यता  
MACHINE AVAILABILITY

## SINTERING PLANT

Unit - (Hrs. : Mts.)

Table No. 6.7

PERIOD	AVAILABLE HOURS				% AVAILABILITY AGAINST CALENDAR HOURS			
	M/C-I	M/C-II	M/C-III	OVERALL	M/C-I	M/C-II	M/C-III	OVERALL
APR'19	705:40	702:05	420:25	1828:10	98.01	97.51	58.39	84.64
MAY	731:05	722:20	729:40	2183:05	98.26	97.09	98.07	97.81
JUN	691:55	688:25	700:40	2081:00	96.10	95.61	97.31	96.34
<b>1ST QTR</b>	<b>2128:40</b>	<b>2112:50</b>	<b>1850:45</b>	<b>6092:15</b>	<b>97.47</b>	<b>96.74</b>	<b>84.74</b>	<b>92.98</b>
JUL	725:25	736:10	699:55	2161:30	97.50	98.95	94.07	96.84
AUG	729:40	444:40	725:05	1899:25	98.07	59.77	97.46	85.10
SEP	701:40	686:50	691:05	2079:35	97.45	95.39	95.98	96.28
<b>2ND QTR</b>	<b>2156:45</b>	<b>1867:40</b>	<b>2116:05</b>	<b>6140:30</b>	<b>97.68</b>	<b>84.59</b>	<b>95.84</b>	<b>92.70</b>
OCT	531:40	726:00	729:10	1986:50	71.46	97.58	98.01	89.02
NOV	339:30	704:35	704:10	1748:15	47.15	97.86	97.80	80.94
DEC	345:15	726:40	726:15	1798:10	46.40	97.67	97.61	80.56
<b>3RD QTR</b>	<b>1216:25</b>	<b>2157:15</b>	<b>2159:35</b>	<b>5533:15</b>	<b>55.09</b>	<b>97.70</b>	<b>97.81</b>	<b>83.53</b>
JAN'20	363:15	717:15	716:15	1796:45	48.82	96.40	96.27	80.50
FEB	315:35	660:35	672:35	1648:45	45.34	94.91	96.64	78.96
MAR	365:55	725:45	729:10	1820:50	49.18	97.55	98.01	81.58
<b>4TH.QTR</b>	<b>1044:45</b>	<b>2103:35</b>	<b>2118:00</b>	<b>5266:20</b>	<b>47.84</b>	<b>96.32</b>	<b>96.98</b>	<b>80.38</b>
<b>2019-20</b>	<b>6546:35</b>	<b>8241:20</b>	<b>8244:25</b>	<b>23032:20</b>	<b>74.53</b>	<b>93.82</b>	<b>93.86</b>	<b>87.40</b>
2018-19	8113:50	8257:25	8014:10	24385:25	92.62	94.26	91.49	92.79
2017-18	8409:00	8169:30	8184:35	24763:05	95.99	93.26	93.43	94.23
2016-17	6631:15	6443:35	6446:20	19521:10	75.70	73.56	73.59	74.28
2015-16	7728:25	7875:20	7971:10	23574:55	87.98	89.66	90.75	89.46

## मशीन उपयोग MACHINE UTILISATION

SINTERING PLANT

Unit - (Hrs. : Mts.)

Table No. 6.8

PERIOD	WORKING HOURS				% UTILISATION AGAINST AVAILABLE HOURS			
	M/C-I	M/C-II	M/C-III	OVERALL	M/C-I	M/C-II	M/C-III	OVERALL
APR'19	662:10	636:50	343:25	1642:25	93.84	90.71	81.68	89.84
MAY	681:00	633:55	512:40	1827:35	93.15	87.76	70.26	83.72
JUN	620:15	585:40	557:10	1763:05	89.64	85.07	79.52	84.72
<b>1ST QTR</b>	<b>1963:25</b>	<b>1856:25</b>	<b>1413:15</b>	<b>5233:05</b>	<b>92.24</b>	<b>87.86</b>	<b>76.36</b>	<b>85.90</b>
JUL	656:15	667:15	612:00	1935:30	90.47	90.64	87.44	89.54
AUG	644:10	395:25	644:10	1683:45	88.28	88.92	88.84	88.65
SEP	597:05	573:50	579:20	1750:15	85.10	83.55	83.83	84.16
<b>2ND QTR</b>	<b>1897:30</b>	<b>1636:30</b>	<b>1835:30</b>	<b>5369:30</b>	<b>87.98</b>	<b>87.62</b>	<b>86.74</b>	<b>87.44</b>
OCT	460:50	600:50	639:25	1701:05	86.68	82.76	87.69	85.62
NOV	312:30	635:40	641:55	1590:05	92.05	90.22	91.16	90.95
DEC	280:00	620:05	634:20	1534:25	81.10	85.33	87.34	85.33
<b>3RD QTR</b>	<b>1053:20</b>	<b>1856:35</b>	<b>1915:40</b>	<b>4825:35</b>	<b>86.59</b>	<b>86.06</b>	<b>88.71</b>	<b>87.21</b>
JAN'20	324:10	627:20	653:25	1604:55	89.24	87.46	91.23	89.32
FEB	290:05	606:25	613:50	1510:20	91.92	91.80	91.27	91.60
MAR	305:10	655:20	659:00	1619:30	83.40	90.30	90.38	88.94
<b>4TH.QTR</b>	<b>919:25</b>	<b>1889:05</b>	<b>1926:15</b>	<b>4734:45</b>	<b>88.00</b>	<b>89.80</b>	<b>90.95</b>	<b>89.91</b>
<b>2019-20</b>	<b>5833:40</b>	<b>7238:35</b>	<b>7090:40</b>	<b>20162:55</b>	<b>89.11</b>	<b>87.83</b>	<b>86.01</b>	<b>87.54</b>
2018-19	6963:00	7342:20	6871:10	21176:30	85.82	88.92	85.74	86.84
2017-18	6193:40	7280:55	6946:55	20421:30	73.66	89.12	84.88	82.47
2016-17	5836:55	5884:55	5891:45	17613:35	88.02	91.33	91.40	90.23
2015-16	5993:45	6239:15	5845:05	18078:05	77.55	79.23	73.33	76.68



## डिंटर मशीनों का व्यवरोध काल DOWN TIME OF SINTER MACHINES

SINTERING PLANT				Unit - (Hrs. : Mts.)				Table No. 6.9 (Contd.)				
PERIOD	OPERATIONAL				MECHANICAL				ELECTRICAL			
	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL
APR'19	04:40	04:00	02:30	11:10	05:55	07:45	10:35	24:15	04:50	19:20	35:00	59:10
MAY	04:45	05:00	03:35	13:20	09:45	37:40	05:40	53:05	08:55	09:50	12:45	31:30
JUN	04:40	04:05	02:55	11:40	10:05	20:20	05:05	35:30	08:20	14:50	16:00	39:10
<b>1ST QTR</b>	<b>14:05</b>	<b>13:05</b>	<b>09:00</b>	<b>36:10</b>	<b>25:45</b>	<b>65:45</b>	<b>21:20</b>	<b>112:50</b>	<b>22:05</b>	<b>44:00</b>	<b>63:45</b>	<b>129:50</b>
JUL	03:20	03:05	06:05	12:30	08:20	09:35	25:00	42:55	06:35	05:40	04:20	16:35
AUG	04:45	01:15	04:40	10:40	03:00	04:00	00:15	07:15	06:45	00:25	09:20	16:30
SEP	05:55	04:20	03:50	14:05	03:35	01:50	04:10	09:35	07:00	06:50	04:25	18:15
<b>2ND QTR</b>	<b>14:00</b>	<b>08:40</b>	<b>14:35</b>	<b>37:15</b>	<b>14:55</b>	<b>15:25</b>	<b>29:25</b>	<b>59:45</b>	<b>20:20</b>	<b>12:55</b>	<b>18:05</b>	<b>51:20</b>
OCT	05:40	11:30	06:25	23:35	07:15	06:55	10:15	24:25	07:40	09:25	15:25	32:30
NOV	02:25	08:35	06:35	17:35	03:20	15:05	05:15	23:40	02:55	01:50	05:15	10:00
DEC	06:35	06:05	02:15	14:55	03:15	04:50	01:30	09:35	09:05	10:40	06:00	25:45
<b>3RD QTR</b>	<b>14:40</b>	<b>26:10</b>	<b>15:15</b>	<b>56:05</b>	<b>13:50</b>	<b>26:50</b>	<b>17:00</b>	<b>57:40</b>	<b>19:40</b>	<b>21:55</b>	<b>26:40</b>	<b>68:15</b>
JAN'20	02:35	05:05	05:20	13:00	07:15	08:00	11:45	27:00	04:20	10:10	06:05	20:35
FEB	02:50	03:05	09:05	15:00	01:15	06:30	05:05	12:50	04:10	06:10	05:00	15:20
MAR	05:10	08:10	07:20	20:40	03:25	05:55	02:30	11:50	02:45	02:25	04:40	09:50
<b>4TH.QTR</b>	<b>10:35</b>	<b>16:20</b>	<b>21:45</b>	<b>48:40</b>	<b>11:55</b>	<b>20:25</b>	<b>19:20</b>	<b>51:40</b>	<b>11:15</b>	<b>18:45</b>	<b>15:45</b>	<b>45:45</b>
<b>2019-20</b>	<b>53:20</b>	<b>64:15</b>	<b>60:35</b>	<b>178:10</b>	<b>66:25</b>	<b>128:25</b>	<b>87:05</b>	<b>281:55</b>	<b>73:20</b>	<b>97:35</b>	<b>124:15</b>	<b>295:10</b>
2018-19	17:00	20:45	29:10	66:55	168:50	66:50	97:45	333:25	98:45	45:55	52:00	196:40
2017-18	13:55	12:30	07:40	34:05	104:55	83:45	42:55	231:35	46:30	61:05	90:30	198:05
2016-17	03:50	12:45	04:45	21:20	39:35	35:30	62:35	137:40	50:40	40:40	34:10	125:30
2015-16	12:15	18:05	14:15	44:35	38:50	64:20	31:25	134:35	74:00	38:00	50:20	162:20

# सिंटर मशीनों का व्ययरोध काल DOWN TIME OF SINTER MACHINES

SINTERING PLANT

Unit - (Hrs. : Mts.)

Table No. 6.9 (Contd.)

PERIOD	SHORTAGE OF RAW MATERIALS				SHORTAGE OF CRUSHED FLUX				BF BUNKER FULL				BF BELT STOPPAGE			
	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL
APR'19	00:50	03:20	00:00	04:10	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	18:10	18:30	14:45	51:25
MAY	02:00	00:00	00:10	02:10	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	06:55	08:40	05:55	21:30
JUN	00:35	03:15	00:45	04:35	00:00	00:00	00:00	00:00	01:00	14:30	00:00	15:30	27:55	24:35	30:10	82:40
<b>1ST QTR</b>	<b>03:25</b>	<b>06:35</b>	<b>00:55</b>	<b>10:55</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>01:00</b>	<b>14:30</b>	<b>00:00</b>	<b>15:30</b>	<b>53:00</b>	<b>51:45</b>	<b>50:50</b>	<b>155:35</b>
JUL	01:30	01:10	01:35	04:15	00:00	00:35	00:00	00:35	00:00	02:00	04:00	06:00	19:25	18:40	13:05	51:10
AUG	03:15	01:45	04:05	09:05	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	32:50	28:20	30:05	91:15
SEP	05:05	14:35	03:55	23:35	00:00	00:00	10:55	10:55	00:10	03:30	08:05	11:45	45:05	45:00	35:50	125:55
<b>2ND QTR</b>	<b>09:50</b>	<b>17:30</b>	<b>09:35</b>	<b>36:55</b>	<b>00:00</b>	<b>00:35</b>	<b>10:55</b>	<b>11:30</b>	<b>00:10</b>	<b>05:30</b>	<b>12:05</b>	<b>17:45</b>	<b>97:20</b>	<b>92:00</b>	<b>79:00</b>	<b>268:20</b>
OCT	11:30	13:40	13:10	38:20	00:30	00:00	00:00	00:30	00:00	00:00	00:00	00:00	20:45	25:15	21:45	67:45
NOV	02:40	00:40	03:00	06:20	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	07:30	17:45	17:20	42:35
DEC	02:30	02:25	00:30	05:25	00:00	00:00	00:00	00:00	00:00	00:00	02:20	02:20	32:40	66:40	64:15	163:35
<b>3RD QTR</b>	<b>16:40</b>	<b>16:45</b>	<b>16:40</b>	<b>50:05</b>	<b>00:30</b>	<b>00:00</b>	<b>00:00</b>	<b>00:30</b>	<b>00:00</b>	<b>00:00</b>	<b>02:20</b>	<b>02:20</b>	<b>60:55</b>	<b>109:40</b>	<b>103:20</b>	<b>273:55</b>
JAN'20	00:30	00:40	00:00	01:10	00:00	00:00	00:00	00:00	03:45	16:00	01:10	20:55	12:55	18:25	26:30	57:50
FEB	00:00	00:00	00:00	00:00	01:30	00:30	00:00	02:00	00:00	00:00	00:00	00:00	08:00	16:25	14:30	38:55
MAR	00:10	01:10	01:40	03:00	00:00	00:00	00:00	00:00	25:00	00:00	00:00	25:00	13:50	35:05	36:45	85:40
<b>4TH.QTR</b>	<b>00:40</b>	<b>01:50</b>	<b>01:40</b>	<b>04:10</b>	<b>01:30</b>	<b>00:30</b>	<b>00:00</b>	<b>02:00</b>	<b>28:45</b>	<b>16:00</b>	<b>01:10</b>	<b>45:55</b>	<b>34:45</b>	<b>69:55</b>	<b>77:45</b>	<b>182:25</b>
<b>2019-20</b>	<b>30:35</b>	<b>42:40</b>	<b>28:50</b>	<b>102:05</b>	<b>02:00</b>	<b>01:05</b>	<b>10:55</b>	<b>14:00</b>	<b>29:55</b>	<b>36:00</b>	<b>15:35</b>	<b>81:30</b>	<b>246:00</b>	<b>323:20</b>	<b>310:55</b>	<b>880:15</b>
2018-19	105:45	71:20	134:50	311:55	00:00	00:30	05:45	06:15	88:00	72:10	204:35	364:45	254:55	301:45	263:05	819:45
2017-18	61:25	31:30	72:10	165:05	03:30	02:45	00:50	07:05	238:35	131:15	409:35	779:25	246:55	297:30	271:20	815:45
2016-17	01:30	00:15	00:30	02:15	00:00	00:00	00:00	00:00	42:00	24:15	59:00	125:15	178:30	203:40	199:50	582:00
2015-16	01:10	04:10	01:00	06:20	00:00	00:00	00:00	00:00	1083:00	1050:55	1531:00	3664:55	156:40	180:05	166:00	502:45

# डिंटर मशीनों का व्यवरोध काल DOWN TIME OF SINTER MACHINES

SINTERING PLANT

Unit - (Hrs. : Mts.)

Table No. 6.9 (Contd.)

PERIOD	SHORTAGE OF GASES				SHORTAGE OF POWER				MISCELLANEOUS				TOTAL DELAYS			
	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL
APR'19	01:15	01:00	00:00	02:15	00:00	00:00	00:20	00:20	07:50	11:20	13:50	33:00	43:30	65:15	77:00	185:45
MAY	00:00	00:00	00:00	00:00	00:10	00:10	00:10	00:30	17:35	27:05	188:45	233:25	50:05	88:25	217:00	355:30
JUN	00:00	00:00	00:00	00:00	03:50	01:15	01:15	06:20	15:15	19:55	87:20	122:30	71:40	102:45	143:30	317:55
<b>1ST QTR</b>	<b>01:15</b>	<b>01:00</b>	<b>00:00</b>	<b>02:15</b>	<b>04:00</b>	<b>01:25</b>	<b>01:45</b>	<b>07:10</b>	<b>40:40</b>	<b>58:20</b>	<b>289:55</b>	<b>388:55</b>	<b>165:15</b>	<b>256:25</b>	<b>437:30</b>	<b>859:10</b>
JUL	00:00	00:00	00:00	00:00	04:00	02:05	00:00	06:05	26:00	26:05	33:50	85:55	69:10	68:55	87:55	226:00
AUG	00:00	00:00	00:00	00:00	04:10	00:40	01:10	06:00	30:45	12:50	31:20	74:55	85:30	49:15	80:55	215:40
SEP	00:00	00:00	00:30	00:30	00:15	01:55	01:30	03:40	37:30	35:00	38:35	111:05	104:35	113:00	111:45	329:20
<b>2ND QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:30</b>	<b>00:30</b>	<b>08:25</b>	<b>04:40</b>	<b>02:40</b>	<b>15:45</b>	<b>94:15</b>	<b>73:55</b>	<b>103:45</b>	<b>271:55</b>	<b>259:15</b>	<b>231:10</b>	<b>280:35</b>	<b>771:00</b>
OCT	00:00	00:35	00:00	00:35	00:45	00:00	00:00	00:45	16:45	57:50	22:45	97:20	70:50	125:10	89:45	285:45
NOV	00:00	00:00	00:00	00:00	00:10	00:30	00:30	01:10	08:00	24:30	24:20	56:50	27:00	68:55	62:15	158:10
DEC	00:00	00:00	00:00	00:00	01:55	02:30	02:45	07:10	09:15	13:25	12:20	35:00	65:15	106:35	91:55	263:45
<b>3RD QTR</b>	<b>00:00</b>	<b>00:35</b>	<b>00:00</b>	<b>00:35</b>	<b>02:50</b>	<b>03:00</b>	<b>03:15</b>	<b>09:05</b>	<b>34:00</b>	<b>95:45</b>	<b>59:25</b>	<b>189:10</b>	<b>163:05</b>	<b>300:40</b>	<b>243:55</b>	<b>707:40</b>
JAN'20	00:30	00:00	01:00	01:30	00:00	00:20	00:00	00:20	07:15	31:15	11:00	49:30	39:05	89:55	62:50	191:50
FEB	00:00	00:00	00:00	00:00	00:20	01:35	01:20	03:15	07:25	19:55	23:45	51:05	25:30	54:10	58:45	138:25
MAR	00:00	00:00	00:00	00:00	00:00	00:00	00:15	00:15	10:25	17:40	17:00	45:05	60:45	70:25	70:10	201:20
<b>4TH.QTR</b>	<b>00:30</b>	<b>00:00</b>	<b>01:00</b>	<b>01:30</b>	<b>00:20</b>	<b>01:55</b>	<b>01:35</b>	<b>03:50</b>	<b>25:05</b>	<b>68:50</b>	<b>51:45</b>	<b>145:40</b>	<b>125:20</b>	<b>214:30</b>	<b>191:45</b>	<b>531:35</b>
<b>2019-20</b>	<b>01:45</b>	<b>01:35</b>	<b>01:30</b>	<b>04:50</b>	<b>15:35</b>	<b>11:00</b>	<b>09:15</b>	<b>35:50</b>	<b>194:00</b>	<b>296:50</b>	<b>504:50</b>	<b>995:40</b>	<b>712:55</b>	<b>1002:45</b>	<b>1153:45</b>	<b>2869:25</b>
2018-19	00:00	00:00	00:35	00:35	41:20	25:20	49:40	116:20	376:15	310:30	305:35	992:20	1150:50	915:05	1143:00	3208:55
2017-18	18:40	18:00	16:40	53:20	08:05	20:50	18:35	47:30	1472:50	229:25	307:25	2009:40	2215:20	888:35	1237:40	4341:35
2016-17	51:35	48:20	39:15	139:10	04:55	06:30	10:05	21:30	421:45	186:45	144:25	752:55	794:20	558:40	554:35	1907:35
2015-16	12:45	04:30	03:05	20:20	24:00	31:05	19:45	74:50	332:00	244:55	309:15	886:10	1734:40	1636:05	2126:05	5496:50

# डिंटर मशीनों का व्यवरोध काल DOWN TIME OF SINTER MACHINES

SINTERING PLANT

Unit - (Hrs. : Mts.)

Table No. 6.9

PERIOD	PALLET CHANGING				SCHEDULE SHUT DOWN*				CAPITAL REPAIR				TOTAL DOWNTIME			
	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL	M/C-I	M/C-II	M/C-III	TOTAL
APR'19	00:20	04:25	01:05	05:50	14:00	13:30	00:00	27:30	00:00	00:00	298:30	298:30	57:50	83:10	376:35	517:35
MAY	00:40	04:40	01:50	07:10	12:15	17:00	12:30	41:45	00:00	00:00	00:00	00:00	63:00	110:05	231:20	404:25
JUN	00:35	04:35	02:20	07:30	27:30	27:00	17:00	71:30	00:00	00:00	00:00	00:00	99:45	134:20	162:50	396:55
<b>1ST QTR</b>	<b>01:35</b>	<b>13:40</b>	<b>05:15</b>	<b>20:30</b>	<b>53:45</b>	<b>57:30</b>	<b>29:30</b>	<b>140:45</b>	<b>00:00</b>	<b>00:00</b>	<b>298:30</b>	<b>298:30</b>	<b>220:35</b>	<b>327:35</b>	<b>770:45</b>	<b>1318:55</b>
JUL	00:35	07:50	01:35	10:00	18:00	00:00	42:30	60:30	00:00	00:00	00:00	00:00	87:45	76:45	132:00	296:30
AUG	01:50	02:20	02:55	07:05	12:30	13:00	16:00	41:30	00:00	284:00	00:00	284:00	99:50	348:35	99:50	548:15
SEP	02:20	03:55	02:25	08:40	16:00	12:00	26:30	54:30	00:00	17:15	00:00	17:15	122:55	146:10	140:40	409:45
<b>2ND QTR</b>	<b>04:45</b>	<b>14:05</b>	<b>06:55</b>	<b>25:45</b>	<b>46:30</b>	<b>25:00</b>	<b>85:00</b>	<b>156:30</b>	<b>00:00</b>	<b>301:15</b>	<b>00:00</b>	<b>301:15</b>	<b>310:30</b>	<b>571:30</b>	<b>372:30</b>	<b>1254:30</b>
OCT	00:15	05:00	02:50	08:05	33:30	13:00	12:00	58:30	178:35	00:00	00:00	178:35	283:10	143:10	104:35	530:55
NOV	00:25	03:25	03:50	07:40	23:00	12:00	12:00	47:00	357:05	00:00	00:00	357:05	407:30	84:20	78:05	569:55
DEC	00:30	04:20	04:15	09:05	25:30	13:00	13:30	52:00	372:45	00:00	00:00	372:45	464:00	123:55	109:40	697:35
<b>3RD QTR</b>	<b>01:10</b>	<b>12:45</b>	<b>10:55</b>	<b>24:50</b>	<b>82:00</b>	<b>38:00</b>	<b>37:30</b>	<b>157:30</b>	<b>908:25</b>	<b>00:00</b>	<b>00:00</b>	<b>908:25</b>	<b>1154:40</b>	<b>351:25</b>	<b>292:20</b>	<b>1798:25</b>
JAN'20	00:25	03:45	02:45	06:55	07:05	23:00	25:00	55:05	373:15	00:00	00:00	373:15	419:50	116:40	90:35	627:05
FEB	00:25	03:25	07:25	11:15	00:00	32:00	16:00	48:00	380:00	00:00	00:00	380:00	405:55	89:35	82:10	577:40
MAR	00:30	06:15	02:50	09:35	08:15	12:00	12:00	32:15	369:20	00:00	00:00	369:20	438:50	88:40	85:00	612:30
<b>4TH.QTR</b>	<b>01:20</b>	<b>13:25</b>	<b>13:00</b>	<b>27:45</b>	<b>15:20</b>	<b>67:00</b>	<b>53:00</b>	<b>135:20</b>	<b>1122:35</b>	<b>00:00</b>	<b>00:00</b>	<b>1122:35</b>	<b>1264:35</b>	<b>294:55</b>	<b>257:45</b>	<b>1817:15</b>
<b>2019-20</b>	<b>08:50</b>	<b>53:55</b>	<b>36:05</b>	<b>98:50</b>	<b>197:35</b>	<b>187:30</b>	<b>205:00</b>	<b>590:05</b>	<b>2031:00</b>	<b>301:15</b>	<b>298:30</b>	<b>2630:45</b>	<b>2950:20</b>	<b>1545:25</b>	<b>1693:20</b>	<b>6189:05</b>
2018-19	10:25	51:55	27:30	89:50	303:15	195:10	174:20	672:45	332:30	255:30	544:00	1132:00	1797:00	1417:40	1888:50	5103:30
2017-18	02:55	47:40	28:15	78:50	348:05	245:50	267:10	861:05	00:00	297:00	280:00	577:00	2566:20	1479:05	1813:05	5858:30
2016-17	00:10	30:50	33:30	64:30	1828:05	1980:35	1904:10	5712:50	300:30	305:00	376:00	981:30	2923:05	2875:05	2868:15	8666:25
2015-16	01:10	22:20	34:35	58:05	694:25	570:35	429:15	1694:15	360:00	315:45	349:00	1024:45	2790:15	2544:45	2938:55	8273:55

\* Includes Power Saving in 2016-17 and 2017-18

Page No.119

**BLAST FURNACE**

## सारांश SUMMARY

**BLAST FURNACE**

Table No. 7.1(Contd.)

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1.0</b>	<b>PRODUCTION OF HOT METAL</b>						
	- Basic Grade	Tonne	3416615	3382708	3501155	3174854	3466174
	- Foundry Grade	"	96203	91886	177661	138490	135164
	- Off Grade	"	573317	734674	366865	96592	98666
	- <b>Total</b>	"	<b>4086135</b>	<b>4209268</b>	<b>4045681</b>	<b>3409936</b>	<b>3700004</b>
<b>2.0</b>	<b>DISTRIBUTION OF HOT METAL</b>						
	- P.C.M.	Tonne	139667	91606	60947	30645	34995
	- S.M.S.	"	3908822	4077334	3947114	3362056	3610902
	- Foundry	"	37646	40328	37620	17235	54107
<b>3.0</b>	<b>AVERAGE PRODUCTION PER DAY</b>						
	- BF - I	Tonne	2979	-	-	-	-
	- BF - II	"	3985	3851	3962	4028	3870
	- BF - III	"	2827	2681	2838	2839	2673
	- BF - IV	"	2327	2532	2780	2730	2489
	- BF - V	"	3246	3121	3314	2974	3168
	- <b>Overall</b>	"	<b>3220</b>	<b>3048</b>	<b>3216</b>	<b>3209</b>	<b>3151</b>
<b>4.0 (A)</b>	<b>PRODUCTIVITY(ON USEFUL VOL.)</b>						
	- BF - I	T/m <sup>3</sup> /day	1.489	-	-	-	-
	- BF - II	"	1.594	1.540	1.585	1.611	1.548
	- BF - III	"	1.414	1.340	1.419	1.419	1.336
	- BF - IV	"	1.164	1.266	1.390	1.365	1.244
	- BF - V	"	1.623	1.561	1.657	1.487	1.584
	- <b>Overall</b>	"	<b>1.505</b>	<b>1.434</b>	<b>1.503</b>	<b>1.488</b>	<b>1.467</b>

# बारांश SUMMARY

## BLAST FURNACE

Table No. 7.1(Contd.)

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>4.0 (B)</b>	<b>PRODUCTIVITY(ON WORKING VOL.)</b>						
	- BF - I	T/m <sup>3</sup> /day	1.694	-	-	-	-
	- BF - II	"	1.771	1.712	1.761	1.790	1.720
	- BF - III	"	1.608	1.525	1.614	1.615	1.520
	- BF - IV	"	1.324	1.440	1.581	1.553	1.416
	- BF - V	"	1.846	1.775	1.885	1.692	1.802
	- Overall	"	<b>1.699</b>	<b>1.620</b>	<b>1.697</b>	<b>1.679</b>	<b>1.656</b>
<b>5.0</b>	<b>INTENSITY OF COKE BURNING</b>						
	- BF - I	Kg/m <sup>3</sup> /day	834	-	-	-	-
	- BF - II	"	864	791	835	867	851
	- BF - III	"	792	711	748	755	750
	- BF - IV	"	695	684	759	750	755
	- BF - V	"	929	840	864	828	882
<b>6.0</b>	<b>CONSUMPTION RATE OF RAW MATERIALS</b>						
	- Iron Ore Lump	Kg/t HM	553	537	516	487	532
	- Sinter	"	1133	1138	1142	1158	1046
	- BF Coke - Dry	"	496	468	470	480	496
	- Nut Coke	"	37	40	39	31	30
	- CDI - Dry	"	49	59	50	46	44
	- Pellet	"	0.0	0.0	0.0	0.0	0.0
	- Quartzite	"	1.0	1.1	0.4	1.0	0.9

# सारांश SUMMARY

## BLAST FURNACE

Table No. 7.1

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>7.0</b>	<b>SINTER IN IRON BEARING CHARGE</b>						
<b>(A)</b>	<b>WEIGHT BASIS</b>						
	- BF - I	%	63.90	-	-	-	-
	- BF - II	"	66.99	67.74	69.74	70.01	66.34
	- BF - III	"	67.81	67.36	68.96	69.29	65.41
	- BF - IV	"	65.17	67.26	67.96	70.14	65.94
	- BF - V	"	66.67	66.91	66.07	67.52	64.26
	- Overall	"	<b>66.79</b>	<b>67.34</b>	<b>68.61</b>	<b>69.46</b>	<b>65.44</b>
<b>(B)</b>	<b>IRON BASIS</b>						
	- BF - I	%	61.52	-	-	-	-
	- BF - II	"	64.13	66.24	68.34	68.50	65.04
	- BF - III	"	65.16	66.00	67.65	67.90	63.17
	- BF - IV	"	62.70	65.93	66.60	68.78	63.91
	- BF - V	"	64.18	65.49	64.50	66.23	61.29
	- Overall	"	<b>64.33</b>	<b>65.94</b>	<b>67.27</b>	<b>68.03</b>	<b>63.32</b>
<b>8.0</b>	<b>PRODUCTION OF PIG IRON</b>						
	- Hot Metal Poured at PCM	Tonne	139667	91606	60947	30645	34995
	- Production of Pig Iron	"	129890	85194	56681	28500	32546
<b>9.0</b>	<b>PRODUCTION OF GRANULATED SLAG</b>						
	- SGP	"	72293	119002	180246	209268	236844
	- CAST HOUSE	"	996264	1055425	812939	560159	511992



तप्त धातु का उत्पादन एवं वितरण  
PRODUCTION AND DISTRIBUTION OF HOT METAL

BLAST FURNACE

Unit - Tonne

Table No. 7.2

PERIOD	TOTAL HOT METAL				PERCENTAGE			No. Prod. of Casts	Per Cast	DISTRIBUTION OF HOT METAL				
	Basic Gr.	Fdy. Gr.	Off Gr.	Total	Basic Gr.	Fdy. Gr.	Off Gr.			To SMS			To PCM	To Fdy.
										I	II	Total		
APR'19	301539	8468	51612	361619	83.4	2.3	14.3	1289	281	46494	302176	348670	9238	3711
MAY	295169	10123	49718	355010	83.1	2.9	14.0	1223	290	58447	276505	334952	16435	3623
JUN.	300443	6574	53006	360023	83.5	1.8	14.7	1171	307	49790	290606	340396	17294	2333
<b>1ST QTR</b>	<b>897151</b>	<b>25165</b>	<b>154336</b>	<b>1076652</b>	<b>83.3</b>	<b>2.3</b>	<b>14.3</b>	<b>3683</b>	<b>292</b>	<b>154731</b>	<b>869287</b>	<b>1024018</b>	<b>42967</b>	<b>9667</b>
JUL.	295419	7385	67285	370089	79.8	2.0	18.2	1191	311	44566	310499	355065	11945	3079
AUG.	264887	7288	49094	321269	82.5	2.3	15.3	1094	294	55525	245683	301208	15982	4079
SEP.	255625	5322	46572	307519	83.1	1.7	15.1	1032	298	21085	275388	296473	7202	3844
<b>2ND QTR</b>	<b>815931</b>	<b>19995</b>	<b>162951</b>	<b>998877</b>	<b>81.7</b>	<b>2.0</b>	<b>16.3</b>	<b>3317</b>	<b>301</b>	<b>121176</b>	<b>831570</b>	<b>952746</b>	<b>35129</b>	<b>11002</b>
OCT.	272490	9931	30596	313017	87.1	3.2	9.8	1097	285	24203	280986	305189	4168	3660
NOV.	258418	5753	39883	304054	85.0	1.9	13.1	1071	284	8025	284543	292568	8397	3089
DEC.	277360	7489	34201	319050	86.9	2.3	10.7	1074	297	6157	304170	310327	6603	2120
<b>3RD QTR</b>	<b>808268</b>	<b>23173</b>	<b>104680</b>	<b>936121</b>	<b>86.3</b>	<b>2.5</b>	<b>11.2</b>	<b>3242</b>	<b>289</b>	<b>38385</b>	<b>869699</b>	<b>908084</b>	<b>19168</b>	<b>8869</b>
JAN'20	302000	16679	38333	357012	84.6	4.7	10.7	1173	304	31360	309050	340410	13011	3591
FEB.	295563	5575	55294	356432	82.9	1.6	15.5	1160	307	38624	301242	339866	14047	2519
MAR.	297702	5616	57723	361041	82.5	1.6	16.0	1124	321	43725	299973	343698	15345	1998
<b>4TH QTR.</b>	<b>895265</b>	<b>27870</b>	<b>151350</b>	<b>1074485</b>	<b>83.3</b>	<b>2.6</b>	<b>14.1</b>	<b>3457</b>	<b>311</b>	<b>113709</b>	<b>910265</b>	<b>1023974</b>	<b>42403</b>	<b>8108</b>
2019-20	3416615	96203	573317	4086135	83.6	2.4	13.9	13699	298	428001	3480821	3908822	139667	37646
2018-19	3382708	91886	734674	4209268	80.4	2.2	17.5	14155	297	478041	3599293	4077334	91606	40328
2017-18	3501155	177661	366865	4045681	86.5	4.4	9.1	12908	313	457320	3489794	3947114	60947	37620
2016-17	3174854	138490	96592	3409936	93.1	4.1	2.8	10746	317	194408	3167648	3362056	30645	17235
2015-16	3466174	135164	98666	3700004	93.7	3.7	2.7	10794	343	611303	2999599	3610902	34995	54107

## भट्टीवार उत्पादन FURNACEWISE PRODUCTION

## BLAST FURNACE

Unit - Tonne

Table No. 7.3 (Contd.)

PERIOD	FURNACE NO.1				FURNACE NO.2				FURNACE NO.3			
	Basic Gr.	Fdy. Gr.	Off Gr.	Total	Basic Gr.	Fdy. Gr.	Off Gr.	Total	Basic Gr.	Fdy. Gr.	Off Gr.	Total
APR'19	0	0	0	0	97093	1353	17318	115764	68286	1713	12573	82572
MAY	0	0	0	0	99899	1914	19230	121043	43106	5332	9169	57607
JUN.	0	0	0	0	100637	645	15768	117050	70692	1494	12793	84979
<b>1ST QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>297629</b>	<b>3912</b>	<b>52316</b>	<b>353857</b>	<b>182084</b>	<b>8539</b>	<b>34535</b>	<b>225158</b>
JUL.	0	0	0	0	100369	0	25827	126196	74672	626	13944	89242
AUG.	0	0	0	0	87329	3052	16803	107184	64922	733	13712	79367
SEP.	0	0	0	0	96914	2521	19690	119125	77261	1033	12085	90379
<b>2ND QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284612</b>	<b>5573</b>	<b>62320</b>	<b>352505</b>	<b>216855</b>	<b>2392</b>	<b>39741</b>	<b>258988</b>
OCT.	0	0	0	0	96788	6434	10994	114216	81399	2235	7706	91340
NOV.	0	0	0	0	98074	3928	17351	119353	76194	215	9896	86305
DEC.	0	0	0	0	108897	2417	15005	126319	77985	3732	7808	89525
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>303759</b>	<b>12779</b>	<b>43350</b>	<b>359888</b>	<b>235578</b>	<b>6182</b>	<b>25410</b>	<b>267170</b>
JAN'20	32983	10856	6587	50426	98963	4071	14976	118010	80680	216	8461	89357
FEB.	72131	805	11977	84913	87441	1678	18072	107191	63028	1438	10649	75115
MAR.	85011	1269	11970	98250	91957	317	19417	111691	49977	1818	13592	65387
<b>4TH QTR.</b>	<b>190125</b>	<b>12930</b>	<b>30534</b>	<b>233589</b>	<b>278361</b>	<b>6066</b>	<b>52465</b>	<b>336892</b>	<b>193685</b>	<b>3472</b>	<b>32702</b>	<b>229859</b>
<b>2019-20</b>	<b>190125</b>	<b>12930</b>	<b>30534</b>	<b>233589</b>	<b>1164361</b>	<b>28330</b>	<b>210451</b>	<b>1403142</b>	<b>828202</b>	<b>20585</b>	<b>132388</b>	<b>981175</b>
2018-19	0	0	0	0	1067071	33665	236189	1336925	722679	26706	181596	930981
2017-18	0	0	0	0	1192916	63909	127456	1384281	830825	57264	94135	982224
2016-17	0	0	0	0	1220410	58133	58664	1337207	863095	31916	21103	916114
2015-16	0	0	0	0	1225169	61232	55217	1341618	867640	28750	23218	919608

**भट्टीवार उत्पादन एवं धातुमल कणीकरण**  
**FURNACEWISE PRODUCTION AND SLAG GRANULATION**

**BLAST FURNACE**

Unit - Tonne

Table No. 7.3

PERIOD	FURNACE NO.4				FURNACE NO.5				CAST HOUSE
	Basic Gr.	Fdy. Gr.	Off Gr.	Total	Basic Gr.	Fdy. Gr.	Off Gr.	Total	Granulated Slag
APR'19	52113	4661	9640	66414	84047	741	12081	96869	99515
MAY	61404	2266	10060	73730	90760	611	11259	102630	86600
JUN.	55310	2523	8571	66404	73804	1912	15874	91590	101612
<b>1ST QTR</b>	<b>168827</b>	<b>9450</b>	<b>28271</b>	<b>206548</b>	<b>248611</b>	<b>3264</b>	<b>39214</b>	<b>291089</b>	<b>287727</b>
JUL.	59519	2819	11608	73946	60859	3940	15906	80705	95575
AUG.	35138	2342	4651	42131	77498	1161	13928	92587	63815
SEP.	0	0	0	0	81450	1768	14797	98015	71730
<b>2ND QTR</b>	<b>94657</b>	<b>5161</b>	<b>16259</b>	<b>116077</b>	<b>219807</b>	<b>6869</b>	<b>44631</b>	<b>271307</b>	<b>231120</b>
OCT.	0	0	0	0	94303	1262	11896	107461	67955
NOV.	0	0	0	0	84150	1610	12636	98396	60834
DEC.	0	0	0	0	90478	1340	11388	103206	80870
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>268931</b>	<b>4212</b>	<b>35920</b>	<b>309063</b>	<b>209659</b>
JAN'20	0	0	0	0	89374	1536	8309	99219	89215
FEB.	0	0	0	0	72963	1654	14596	89213	85853
MAR.	0	0	0	0	70757	2212	12744	85713	92690
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>233094</b>	<b>5402</b>	<b>35649</b>	<b>274145</b>	<b>267758</b>
<b>2019-20</b>	<b>263484</b>	<b>14611</b>	<b>44530</b>	<b>322625</b>	<b>970443</b>	<b>19747</b>	<b>155414</b>	<b>1145604</b>	<b>996264</b>
2018-19	721233	14854	131422	867509	871725	16661	185467	1073853	1055425
2017-18	859742	31573	73752	965067	617672	24915	71522	714109	812939
2016-17	595585	26733	10574	632892	495764	21708	6251	523723	560159
2015-16	326873	9155	3316	339344	1046492	36027	16915	1099434	511992

**धातुमल का अनुत्पादन**  
**ARISING OF SLAG**

**BLAST FURNACE**

Table No. 7.4

PERIOD	QUANTITY(Tonne)						RATE(Kg/t of Hot Metal)					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall
APR'19	0	43440	31035	25005	36240	135720	-	375	376	377	374	375
MAY	0	45345	22020	27645	38550	133560	-	375	382	375	376	376
JUN.	0	43920	32025	25035	34380	135360	-	375	377	377	375	376
<b>1ST QTR</b>	<b>0</b>	<b>132705</b>	<b>85080</b>	<b>77685</b>	<b>109170</b>	<b>404640</b>	<b>-</b>	<b>375</b>	<b>378</b>	<b>376</b>	<b>375</b>	<b>376</b>
JUL.	0	48660	34440	28635	31260	142995	-	386	386	387	387	386
AUG.	0	42045	31215	16545	36330	126135	-	392	393	393	392	393
SEP.	0	47835	36390	0	39540	123765	-	402	403	-	403	402
<b>2ND QTR</b>	<b>0</b>	<b>138540</b>	<b>102045</b>	<b>45180</b>	<b>107130</b>	<b>392895</b>	<b>-</b>	<b>393</b>	<b>394</b>	<b>389</b>	<b>395</b>	<b>393</b>
OCT.	0	45945	36960	0	43320	126225	-	402	405	-	403	403
NOV.	0	47415	34410	0	38985	120810	-	397	399	-	396	397
DEC.	0	49965	35355	0	40665	125985	-	396	395	-	394	395
<b>3RD QTR</b>	<b>0</b>	<b>143325</b>	<b>106725</b>	<b>0</b>	<b>122970</b>	<b>373020</b>	<b>-</b>	<b>398</b>	<b>399</b>	<b>-</b>	<b>398</b>	<b>398</b>
JAN'20	20040	46650	35505	0	39300	141495	397	395	397	-	396	396
FEB.	33540	42420	29775	0	35295	141030	395	396	396	-	396	396
MAR.	38910	44295	26055	0	34035	143295	396	397	398	-	397	397
<b>4TH QTR.</b>	<b>92490</b>	<b>133365</b>	<b>91335</b>	<b>0</b>	<b>108630</b>	<b>425820</b>	<b>396</b>	<b>396</b>	<b>397</b>	<b>-</b>	<b>396</b>	<b>396</b>
<b>2019-20</b>	<b>92490</b>	<b>547935</b>	<b>385185</b>	<b>122865</b>	<b>447900</b>	<b>1596375</b>	<b>396</b>	<b>391</b>	<b>393</b>	<b>381</b>	<b>391</b>	<b>391</b>
2018-19	0	505347	351555	328050	403920	1588872	-	378	378	378	376	377
2017-18	0	529515	373485	366819	267645	1537464	-	383	380	380	375	380
2016-17	0	509640	343278	239806	194355	1287079	-	381	375	379	371	377
2015-16	0	513435	347940	129120	411051	1401546	-	383	378	380	374	379

फ्लू धुआँ का अनुत्पादन  
ARISING OF FLUE DUST

## BLAST FURNACE

Table No. 7.5

PERIOD	QUANTITY(Tonne)						RATE(Kg/t of Hot Metal)					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall
APR'19	0	2420	540	870	630	4460	-	21	7	13	7	12
MAY	0	1474	670	870	690	3704	-	12	12	12	7	10
JUN.	0	1590	1150	930	1140	4810	-	14	14	14	12	13
<b>1ST QTR</b>	<b>0</b>	<b>5484</b>	<b>2360</b>	<b>2670</b>	<b>2460</b>	<b>12974</b>	<b>-</b>	<b>15</b>	<b>10</b>	<b>13</b>	<b>8</b>	<b>12</b>
JUL.	0	1000	650	710	950	3310	-	8	7	10	12	9
AUG.	0	810	510	390	560	2270	-	8	6	9	6	7
SEP.	0	920	390	0	490	1800	-	8	4	-	5	6
<b>2ND QTR</b>	<b>0</b>	<b>2730</b>	<b>1550</b>	<b>1100</b>	<b>2000</b>	<b>7380</b>	<b>-</b>	<b>8</b>	<b>6</b>	<b>9</b>	<b>7</b>	<b>7</b>
OCT.	0	1140	400	0	430	1970	-	10	4	-	4	6
NOV.	0	1030	580	0	670	2280	-	9	7	-	7	7
DEC.	0	1490	760	0	760	3010	-	12	8	-	7	9
<b>3RD QTR</b>	<b>0</b>	<b>3660</b>	<b>1740</b>	<b>0</b>	<b>1860</b>	<b>7260</b>	<b>-</b>	<b>10</b>	<b>7</b>	<b>-</b>	<b>6</b>	<b>8</b>
JAN'20	310	1470	750	0	780	3310	6	12	8	-	8	9
FEB.	1110	1290	510	0	680	3590	13	12	7	-	8	10
MAR.	710	1500	590	0	680	3480	7	13	9	-	8	10
<b>4TH QTR.</b>	<b>2130</b>	<b>4260</b>	<b>1850</b>	<b>0</b>	<b>2140</b>	<b>10380</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>-</b>	<b>8</b>	<b>10</b>
<b>2019-20</b>	<b>2130</b>	<b>16134</b>	<b>7500</b>	<b>3770</b>	<b>8460</b>	<b>37994</b>	<b>9</b>	<b>11</b>	<b>8</b>	<b>12</b>	<b>7</b>	<b>9</b>
2018-19	0	17432	6181	9279	10465	43357	-	13	7	11	10	10
2017-18	0	20640	7765	11385	5535	45325	-	15	8	12	8	11
2016-17	0	31845	11440	9422	6680	59387	-	24	12	15	13	17
2015-16	0	24965	14950	3250	13780	56945	-	19	16	10	13	15

कच्चे माल की खपत  
CONSUMPTION OF RAW MATERIALS

## BLAST FURNACE

Unit - Tonne

Table No. 7.6

PERIOD	TOTAL CONSUMPTION											
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Titanium Ore	Welding Slag	Scrap
APR'19	216898	396034	0	176454	13855	20416	0	0	279.6	0	0	3606
MAY	218122	389574	0	174331	13150	20404	108.1	0	537.2	0	0	2884
JUN.	225132	390615	0	178186	13195	22375	0	0	97.6	0	0	4702
<b>1ST QTR</b>	<b>660152</b>	<b>1176223</b>	<b>0</b>	<b>528971</b>	<b>40200</b>	<b>63195</b>	<b>108.1</b>	<b>0</b>	<b>914.4</b>	<b>0</b>	<b>0</b>	<b>11192</b>
JUL.	184123	441918	0	185200	13454	17186	0	0	181.1	0	0	4296
AUG.	158351	378082	0	169158	12852	6077	0	0	14.4	0	0	3466
SEP.	146634	375536	0	154029	12604	11638	0	0	37.9	0	30	4438
<b>2ND QTR</b>	<b>489108</b>	<b>1195536</b>	<b>0</b>	<b>508387</b>	<b>38910</b>	<b>34901</b>	<b>0</b>	<b>0</b>	<b>233.4</b>	<b>0</b>	<b>30</b>	<b>12200</b>
OCT.	158540	377479	0	155530	12406	14588	0	0	6.8	0	0	1698
NOV.	162736	346995	0	149972	11706	17091	0	0	195.9	0	0	580
DEC.	170715	363629	0	154367	12123	19121	0	0	1143.2	0	20	7727
<b>3RD QTR</b>	<b>491991</b>	<b>1088103</b>	<b>0</b>	<b>459869</b>	<b>36235</b>	<b>50800</b>	<b>0</b>	<b>0</b>	<b>1345.9</b>	<b>0</b>	<b>20</b>	<b>10005</b>
JAN'20	202813	395865	0	173872	12861	20734	0	15	638.4	0	0	3416
FEB.	212854	385317	0	178201	9875	13995	0	0	255.1	0	0	2970
MAR.	202247	390306	0	179241	11358	16997	0	0	627.8	0	0	4396
<b>4TH QTR.</b>	<b>617914</b>	<b>1171488</b>	<b>0</b>	<b>531314</b>	<b>34094</b>	<b>51726</b>	<b>0</b>	<b>15</b>	<b>1521.3</b>	<b>0</b>	<b>0</b>	<b>10782</b>
<b>2019-20</b>	<b>2259165</b>	<b>4631350</b>	<b>0</b>	<b>2028541</b>	<b>149439</b>	<b>200622</b>	<b>108.1</b>	<b>15</b>	<b>4015.0</b>	<b>0</b>	<b>50</b>	<b>44179</b>
2018-19	2262439	4789334	0	1971907	170076	249971	0	0	4646.6	0	253.5	60205
2017-18	2087801	4620412	0	1902064	156614	203521	50	332	1573.2	85.2	78	37954
2016-17	1662326	3949365	0	1638259	104738	157508	18	3295	3494	0	55	74316
2015-16	1967372	3868863	0	1836607	111762	164186	309	0	3355	0	93	75410

खपत दर  
CONSUMPTION RATE

## BLAST FURNACE

Unit -Kg/T HM

Table No. 7.7

PERIOD	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Titanium Ore	Welding Slag	Scrap
APR'19	600	1095	0.0	488	38	56	0.00	0.00	0.77	0.00	0.00	10.0
MAY	614	1097	0.0	491	37	57	0.30	0.00	1.51	0.00	0.00	8.1
JUN.	625	1085	0.0	495	37	62	0.00	0.00	0.27	0.00	0.00	13.1
<b>1ST QTR</b>	<b>613</b>	<b>1092</b>	<b>0.0</b>	<b>491</b>	<b>37</b>	<b>59</b>	<b>0.10</b>	<b>0.00</b>	<b>0.85</b>	<b>0.00</b>	<b>0.00</b>	<b>10.4</b>
JUL.	498	1194	0.0	500	36	46	0.00	0.00	0.49	0.00	0.00	11.6
AUG.	493	1177	0.0	527	40	19	0.00	0.00	0.04	0.00	0.00	10.8
SEP.	477	1221	0.0	501	41	38	0.00	0.00	0.12	0.00	0.10	14.4
<b>2ND QTR</b>	<b>490</b>	<b>1197</b>	<b>0.0</b>	<b>509</b>	<b>39</b>	<b>35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.23</b>	<b>0.00</b>	<b>0.03</b>	<b>12.2</b>
OCT.	506	1206	0.0	497	40	47	0.00	0.00	0.02	0.00	0.00	5.4
NOV.	535	1141	0.0	493	38	56	0.00	0.00	0.64	0.00	0.00	1.9
DEC.	535	1140	0.0	484	38	60	0.00	0.00	3.58	0.00	0.06	24.2
<b>3RD QTR</b>	<b>526</b>	<b>1162</b>	<b>0.0</b>	<b>491</b>	<b>39</b>	<b>54</b>	<b>0.00</b>	<b>0.00</b>	<b>1.44</b>	<b>0.00</b>	<b>0.02</b>	<b>10.7</b>
JAN'20	568	1109	0.0	487	36	58	0.00	0.04	1.79	0.00	0.00	9.6
FEB.	597	1081	0.0	500	28	39	0.00	0.00	0.72	0.00	0.00	8.3
MAR.	560	1081	0.0	496	31	47	0.00	0.00	1.74	0.00	0.00	12.2
<b>4TH QTR.</b>	<b>575</b>	<b>1090</b>	<b>0.0</b>	<b>494</b>	<b>32</b>	<b>48</b>	<b>0.00</b>	<b>0.01</b>	<b>1.42</b>	<b>0.00</b>	<b>0.00</b>	<b>10.0</b>
<b>2019-20</b>	<b>553</b>	<b>1133</b>	<b>0.0</b>	<b>496</b>	<b>37</b>	<b>49</b>	<b>0.03</b>	<b>0.00</b>	<b>0.98</b>	<b>0.00</b>	<b>0.01</b>	<b>10.8</b>
2018-19	537	1138	0.0	468	40	59	0.00	0.00	1.10	0.00	0.06	14.3
2017-18	516	1142	0.0	470	39	50	0.01	0.08	0.39	0.02	0.02	9.4
2016-17	487	1158	0.0	480	31	46	0.01	0.97	1.02	0.00	0.02	21.8
2015-16	532	1046	0.0	496	30	44	0.08	0.00	0.91	0.00	0.03	20.4

भट्टीवार खपत  
FURNACEWISE CONSUMPTION

BLAST FURNACE PERIOD	Unit - Tonne										
	FURNACE NO.1										
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Welding Slag	Scrap
APR'19	0	0	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0	0	0
JUN.	0	0	0	0	0	0	0	0	0	0	0
<b>1ST QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL.	0	0	0	0	0	0	0	0	0	0	0
AUG.	0	0	0	0	0	0	0	0	0	0	0
SEP.	0	0	0	0	0	0	0	0	0	0	0
<b>2ND QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
OCT.	0	0	0	0	0	0	0	0	0	0	0
NOV.	0	0	0	0	0	0	0	0	0	0	0
DEC.	0	0	0	0	0	0	0	0	0	0	0
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JAN'20	29304	54206	0	26289	1757	1339	0	15	357.8	0	0
FEB.	51614	87869	0	41680	2246	2973	0	0	35.81	0	0
MAR.	57453	102893	0	47017	2982	4627	0	0	173.6	0	0
<b>4TH QTR.</b>	<b>138371</b>	<b>244968</b>	<b>0</b>	<b>114986</b>	<b>6985</b>	<b>8939</b>	<b>0</b>	<b>15</b>	<b>567.21</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>138371</b>	<b>244968</b>	<b>0</b>	<b>114986</b>	<b>6985</b>	<b>8939</b>	<b>0</b>	<b>15</b>	<b>567.21</b>	<b>0</b>	<b>0</b>
2018-19	0	0	0	0	0	0	0	0	0	0	0
2017-18	0	0	0	0	0	0	0	0	0	0	0
2016-17	0	0	0	0	0	0	0	0	0	0	0
2015-16	0	0	0	0	0	0	0	0	0	0	0



# भट्टीवार खपत

## FURNACEWISE CONSUMPTION

### BLAST FURNACE

Unit - Tonne

Table No. 7.8(Contd.)

PERIOD	FURNACE NO.2										
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Welding Slag	Scrap
APR'19	67475	130104	0	54019	4542	7623	0	0	34.8	0	3606
MAY	73744	131832	0	56816	4435	8775	0	0	0.0	0	2884
JUN.	69714	125742	0	56082	4266	8642	0	0	0.0	0	4702
<b>1ST QTR</b>	<b>210933</b>	<b>387678</b>	<b>0</b>	<b>166917</b>	<b>13243</b>	<b>25040</b>	<b>0</b>	<b>0</b>	<b>34.8</b>	<b>0</b>	<b>11192</b>
JUL.	57529	149600	0	60582	4564	8046	0	0	46.9	0	4296
AUG.	48656	123090	0	55093	4197	3077	0	0	0.0	0	3466
SEP.	53519	142674	0	59454	4783	4641	0	0	4.9	0	4438
<b>2ND QTR</b>	<b>159704</b>	<b>415364</b>	<b>0</b>	<b>175129</b>	<b>13544</b>	<b>15764</b>	<b>0</b>	<b>0</b>	<b>51.8</b>	<b>0</b>	<b>12200</b>
OCT.	57408	135346	0	57081	4454	4415	0	0	0.0	0	1698
NOV.	62791	135828	0	59549	4579	5507	0	0	155.3	0	580
DEC.	64724	144444	0	60501	4818	7866	0	0	710.2	0	7727
<b>3RD QTR</b>	<b>184923</b>	<b>415618</b>	<b>0</b>	<b>177131</b>	<b>13851</b>	<b>17788</b>	<b>0</b>	<b>0</b>	<b>865.5</b>	<b>0</b>	<b>10005</b>
JAN'20	65504	132476	0	56781	4298	7866	0	0	198.7	0	3416
FEB.	61793	117709	0	53406	3000	5502	0	0	95.2	0	2758
MAR.	56956	120110	0	55256	3464	6627	0	0	162.6	0	3522
<b>4TH QTR.</b>	<b>184253</b>	<b>370295</b>	<b>0</b>	<b>165443</b>	<b>10762</b>	<b>19995</b>	<b>0</b>	<b>0</b>	<b>456.5</b>	<b>0</b>	<b>9696</b>
<b>2019-20</b>	<b>739813</b>	<b>1588955</b>	<b>0</b>	<b>684620</b>	<b>51400</b>	<b>78587</b>	<b>0</b>	<b>0</b>	<b>1408.6</b>	<b>0</b>	<b>43093</b>
2018-19	672408	1532048	0	618097	54623	88378	0	0	1171.1	0	57350
2017-18	664376	1622559	0	656449	55066	80444	0	0	1150.5	78	37954
2016-17	612846	1564587	0	647987	42055	75913	18	533	1187.0	35	57499
2015-16	661813	1402271	0	663507	40130	83956	93	0	1035.0	51	49575

**भडडीतलर खतत**  
**FURNACEWISE CONSUMPTION**

**BLAST FURNACE**

Unit - Tonne

Table No. 7.8(Contd.)

PERIOD	FURNACE NO.3										
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Welding Slag	Scrap
APR'19	50030	90188	0	39652	3165	6439	0.0	0	67.0	0	0
MAY	38746	67828	0	29716	2256	3048	108.1	0	249.0	0	0
JUN.	54153	94267	0	41382	3179	6487	0.0	0	0.0	0	0
<b>1ST QTR</b>	<b>142929</b>	<b>252283</b>	<b>0</b>	<b>110750</b>	<b>8600</b>	<b>15974</b>	<b>108.1</b>	<b>0</b>	<b>316.0</b>	<b>0</b>	<b>0</b>
JUL.	44734	106284	0	43679	3225	5578	0.0	0	0.0	0	0
AUG.	39635	95154	0	41720	3242	1870	0.0	0	0.0	0	0
SEP.	42874	109937	0	45250	3694	3200	0.0	0	0.0	0	0
<b>2ND QTR</b>	<b>127243</b>	<b>311375</b>	<b>0</b>	<b>130649</b>	<b>10161</b>	<b>10648</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>
OCT.	45406	110854	0	44483	3646	5087	0.0	0	0.0	0	0
NOV.	44015	100116	0	41677	3388	5883	0.0	0	11.6	0	0
DEC.	46795	101082	0	43042	3369	5366	0.0	0	187.0	0	0
<b>3RD QTR</b>	<b>136216</b>	<b>312052</b>	<b>0</b>	<b>129202</b>	<b>10403</b>	<b>16336</b>	<b>0.0</b>	<b>0</b>	<b>198.6</b>	<b>0</b>	<b>0</b>
JAN'20	49060	98841	0	41955	3218	6959	0.0	0	29.4	0	0
FEB.	43346	81840	0	37512	2093	3104	0.0	0	0.0	0	0
MAR.	37555	73469	0	33180	2184	3165	0.0	0	126.7	0	0
<b>4TH QTR.</b>	<b>129961</b>	<b>254150</b>	<b>0</b>	<b>112647</b>	<b>7495</b>	<b>13228</b>	<b>0.0</b>	<b>0</b>	<b>156.1</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>536349</b>	<b>1129860</b>	<b>0</b>	<b>483248</b>	<b>36659</b>	<b>56186</b>	<b>108.1</b>	<b>0</b>	<b>670.6</b>	<b>0</b>	<b>0</b>
2018-19	504972	1042504	0	433833	36981	71030	0	0	545.6	20	276
2017-18	513215	1142135	0	454964	38566	53838	32	0	61.8	0	0
2016-17	457136	1055562	0	428301	28548	49636	0	65	246.0	20	10753
2015-16	497523	973118	0	453820	27977	35395	188	0	1211.0	42	17011

**भडडीतलर खतत**  
**FURNACEWISE CONSUMPTION**

**BLAST FURNACE**

Unit - Tonne

Table No. 7.8(Contd.)

PERIOD	FURNACE NO.4											
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Titanium Ore	Welding Slag	Scrap
APR'19	40134	69539	0	36046	2435	1560	0	0	0	0	0	0
MAY	44784	77106	0	37231	2632	4386	0	0	0	0	0	0
JUN.	42744	72210	0	34735	2443	3944	0	0	0	0	0	0
<b>1ST QTR</b>	<b>127662</b>	<b>218855</b>	<b>0</b>	<b>108012</b>	<b>7510</b>	<b>9890</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL.	38890	85927	0	38205	2635	2950	0	0	0	0	0	0
AUG.	22407	48851	0	23233	1632	751	0	0	0	0	0	0
SEP.	0	0	0	0	0	0	0	0	0	0	0	0
<b>2ND QTR</b>	<b>61297</b>	<b>134778</b>	<b>0</b>	<b>61438</b>	<b>4267</b>	<b>3701</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
OCT.	0	0	0	0	0	0	0	0	0	0	0	0
NOV.	0	0	0	0	0	0	0	0	0	0	0	0
DEC.	0	0	0	0	0	0	0	0	0	0	0	0
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JAN'20	0	0	0	0	0	0	0	0	0	0	0	0
FEB.	0	0	0	0	0	0	0	0	0	0	0	0
MAR.	0	0	0	0	0	0	0	0	0	0	0	0
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>188959</b>	<b>353633</b>	<b>0</b>	<b>169450</b>	<b>11777</b>	<b>13591</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>
2018-19	484674	995826	0	411914	35447	49750	0	0	739.6	0.0	0	0
2017-18	506617	1078598	0	463187	36432	37982	0	0	96.9	85.2	0	0
2016-17	308596	739273	0	305629	21398	31565	0	664	1307.0	0.0	0	6064
2015-16	172616	348162	0	181094	10770	11711	24	0	219.0	0.0	0	7210

**भट्टीवार खपत**  
**FURNACEWISE CONSUMPTION**

**BLAST FURNACE**

Unit - Tonne

Table No. 7.8

PERIOD	FURNACE NO.5										
	Iron Ore Lump	Sinter	Pellet	BF Coke (Dry)	Nut Coke	CDI (Dry)	LD Slag	Lime Stone	Quartzite	Welding Slag	Scrap
APR'19	59259	106203	0	46737	3713	4794	0	0	177.8	0	0
MAY	60848	112808	0	50568	3827	4195	0	0	288.2	0	0
JUN.	58521	98396	0	45987	3307	3302	0	0	97.6	0	0
<b>1ST QTR</b>	<b>178628</b>	<b>317407</b>	<b>0</b>	<b>143292</b>	<b>10847</b>	<b>12291</b>	<b>0</b>	<b>0</b>	<b>563.6</b>	<b>0</b>	<b>0</b>
JUL.	42970	100107	0	42734	3030	612	0	0	134.2	0	0
AUG.	47653	110987	0	49112	3781	379	0	0	14.4	0	0
SEP.	50241	122925	0	49325	4127	3797	0	0	33.0	30	0
<b>2ND QTR</b>	<b>140864</b>	<b>334019</b>	<b>0</b>	<b>141171</b>	<b>10938</b>	<b>4788</b>	<b>0</b>	<b>0</b>	<b>181.6</b>	<b>30</b>	<b>0</b>
OCT.	55726	131279	0	53966	4306	5086	0	0	6.8	0	0
NOV.	55930	111051	0	48746	3739	5701	0	0	29.0	0	0
DEC.	59196	118103	0	50824	3936	5889	0	0	246.0	20	0
<b>3RD QTR</b>	<b>170852</b>	<b>360433</b>	<b>0</b>	<b>153536</b>	<b>11981</b>	<b>16676</b>	<b>0</b>	<b>0</b>	<b>281.8</b>	<b>20</b>	<b>0</b>
JAN'20	58945	110342	0	48847	3588	4570	0	0	52.5	0	0
FEB.	56101	97899	0	45603	2536	2416	0	0	124.1	0	212
MAR.	50283	93834	0	43788	2728	2578	0.0	0	165.0	0	874
<b>4TH QTR.</b>	<b>165329</b>	<b>302075</b>	<b>0</b>	<b>138238</b>	<b>8852</b>	<b>9564</b>	<b>0</b>	<b>0</b>	<b>341.6</b>	<b>0</b>	<b>1086</b>
<b>2019-20</b>	<b>655673</b>	<b>1313934</b>	<b>0</b>	<b>576237</b>	<b>42618</b>	<b>43319</b>	<b>0</b>	<b>0</b>	<b>1368.6</b>	<b>50</b>	<b>1086</b>
2018-19	600385	1218956	0	508063	43025	40813	0	0	2190.4	233.5	2579
2017-18	403593	777120	0	327464	26550	31257	18	332	264.0	0	0
2016-17	283748	589943	0	256342	12737	394	0	2033	754.0	0	0
2015-16	635420	1145312	0	538186	32885	33124	4	0	890.0	0	1614

कलेय पदार्थ की खपत तौषा क्षय एवं अन्यान्य  
CONSUMPTION OF CLAY MATERIALS,COPPER LOSSES AND OTHERS

BLAST FURNACE

Table No. 7.9

PERIOD	CONSPN.OF LIME (T)			SAND (T)	CLAY MATERIALS (T)				COPPER LOSSES & OTHER CHANGES (Nos.)			Number of Slag Ladle Cup Change
	PCM	SDY	Total		Ex.Hard Pitch	Plastic Clay	Trough Mix	Resin Bonded	Tuyeres	Tuyeres Intermediate	Casting Moulds	
APR'19	15	15	30	800	4.5	6.5	10.0	555	10	0	15	0
MAY	30	15	45	700	5.5	6.0	16.1	450	12	0	15	1
JUN.	10	15	25	850	6.0	7.5	20.1	516	10	0	15	1
<b>1ST QTR</b>	<b>55</b>	<b>45</b>	<b>100</b>	<b>2350</b>	<b>16.0</b>	<b>20.0</b>	<b>46.3</b>	<b>1521</b>	<b>32</b>	<b>0</b>	<b>45</b>	<b>2</b>
JUL.	25	15	40	950	4.5	5.0	19.9	556	10	1	25	1
AUG.	15	15	30	850	3.5	4.0	24.6	388	8	0	10	2
SEP.	15	10	25	834	4.0	3.5	10.8	450	11	0	20	4
<b>2ND QTR</b>	<b>55</b>	<b>40</b>	<b>95</b>	<b>2634</b>	<b>12.0</b>	<b>12.5</b>	<b>55.4</b>	<b>1394</b>	<b>29</b>	<b>1</b>	<b>55</b>	<b>7</b>
OCT.	10	15	25	850	2.5	4.0	12.1	436	5	0	10	2
NOV.	15	17	32	900	3.0	3.5	0.0	375	3	0	10	3
DEC.	14	18	32	860	3.5	4.0	10.7	359	9	0	12	2
<b>3RD QTR</b>	<b>39</b>	<b>50</b>	<b>89</b>	<b>2610</b>	<b>9.0</b>	<b>11.5</b>	<b>22.8</b>	<b>1170</b>	<b>17</b>	<b>0</b>	<b>32</b>	<b>7</b>
JAN'20	14	18	32	924	4.5	6.0	19.9	527	35	3	15	2
FEB.	14	18	32	976	4.5	5.0	10.2	513.1	11	0	15	0
MAR.	20	25	45	840	4.0	6.0	14.9	308.39	4	0	15	0
<b>4TH QTR.</b>	<b>48</b>	<b>61</b>	<b>109</b>	<b>2740</b>	<b>13.0</b>	<b>17.0</b>	<b>45.0</b>	<b>1348.49</b>	<b>50</b>	<b>3</b>	<b>45</b>	<b>2</b>
<b>2019-20</b>	<b>197</b>	<b>196</b>	<b>393</b>	<b>10334</b>	<b>50.0</b>	<b>61.0</b>	<b>169.4</b>	<b>5433</b>	<b>128</b>	<b>4</b>	<b>177</b>	<b>18</b>
2018-19	161	156	317	9500	60.5	59.0	97.3	5703	124	3	177	14
2017-18	117	147	264	9670	50.9	57.0	78.6	5094	97	9	135	2
2016-17	105	150	255	8450	41.2	44.8	85.1	4725	105	4	210	17
2015-16	110	130	240	8760	64.6	59.5	66.8	4578	123	14	338	3

परिचालनीय भूचकांक  
OPERATING INDICES

## BLAST FURNACE

Table No. 7.10(Contd.)

PERIOD	AVERAGE METAL TEMPERATURE(°C)					AVERAGE TEMPERATURE(°C)									
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	BLAST					TOP GAS				
						Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5
APR'19	-	1492	1486	1488	1492	-	948	909	701	985	-	100	155	142	101
MAY	-	1506	1490	1490	1492	-	946	890	829	978	-	95	173	185	106
JUN.	-	1489	1490	1491	1493	-	945	867	835	988	-	111	178	210	140
<b>1ST QTR</b>	-	<b>1496</b>	<b>1489</b>	<b>1490</b>	<b>1492</b>	-	<b>946</b>	<b>889</b>	<b>788</b>	<b>984</b>	-	<b>102</b>	<b>169</b>	<b>179</b>	<b>116</b>
JUL.	-	1489	1482	1488	1492	-	941	876	830	975	-	98	165	173	151
AUG.	-	1489	1485	1493	1491	-	946	869	817	978	-	101	148	160	124
SEP.	-	1489	1485	-	1491	-	946	851	-	993	-	98	127	-	98
<b>2ND QTR</b>	-	<b>1489</b>	<b>1484</b>	<b>1491</b>	<b>1491</b>	-	<b>944</b>	<b>865</b>	<b>824</b>	<b>982</b>	-	<b>99</b>	<b>147</b>	<b>167</b>	<b>124</b>
OCT.	-	1493	1486	-	1491	-	948	847	-	1000	-	108	132	-	92
NOV.	-	1491	1484	-	1490	-	944	854	-	998	-	95	156	-	104
DEC.	-	1490	1491	-	1491	-	952	863	-	998	-	108	164	-	100
<b>3RD QTR</b>	-	<b>1491</b>	<b>1487</b>	-	<b>1491</b>	-	<b>948</b>	<b>855</b>	-	<b>999</b>	-	<b>104</b>	<b>151</b>	-	<b>99</b>
JAN'20	1495	1490	1486	-	1493	929	966	863	-	998	162	101	155	-	99
FEB.	1496	1495	1485	-	1494	1038	964	859	-	993	135	98	157	-	105
MAR.	1498	1489	1486	-	1493	1049	961	876	-	991	147	117	154	-	113
<b>4TH QTR.</b>	<b>1496</b>	<b>1491</b>	<b>1486</b>	-	<b>1493</b>	<b>1005</b>	<b>964</b>	<b>866</b>	-	<b>994</b>	<b>148</b>	<b>105</b>	<b>155</b>	-	<b>106</b>
<b>2019-20</b>	<b>1496</b>	<b>1492</b>	<b>1486</b>	<b>1490</b>	<b>1492</b>	-	<b>951</b>	<b>869</b>	<b>802</b>	<b>990</b>	<b>148</b>	<b>103</b>	<b>155</b>	<b>174</b>	<b>111</b>
2018-19	-	1493	1488	1490	1491	-	949	901	849	994	-	136	175	164	148
2017-18	-	1493	1484	1487	1491	-	963	905	899	1021	-	153	158	161	140
2016-17	-	1491	1488	1484	1490	-	935	918	870	980	-	164	167	176	157
2015-16	-	1492	1487	1482	1495	-	941	859	839	985	-	150	163	166	167

**परिचालनीय भूचकांक**  
**OPERATING INDICES**

**BLAST FURNACE**

Table No. 7.10(Contd.)

PERIOD	AVERAGE PRESSURE(Atm)										AVERAGE BLAST VOLUME (Nm <sup>3</sup> /min)				
	BLAST					TOP GAS					Fce-1	Fce-2	Fce-3	Fce-4	Fce-5
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5					
APR'19	-	2.46	2.00	1.73	2.27	-	1.22	0.90	0.70	1.09	-	3824	2964	2423	2948
MAY	-	2.38	1.83	2.07	2.24	-	1.20	0.79	0.96	1.09	-	3717	2385	2705	2989
JUN.	-	2.42	1.92	2.04	2.20	-	1.22	0.88	0.97	1.07	-	3848	3187	2735	2950
<b>1ST QTR</b>	-	<b>2.42</b>	<b>1.92</b>	<b>1.95</b>	<b>2.24</b>	-	<b>1.21</b>	<b>0.86</b>	<b>0.88</b>	<b>1.08</b>	-	<b>3796</b>	<b>2845</b>	<b>2621</b>	<b>2962</b>
JUL.	-	2.42	1.90	2.08	2.13	-	1.24	0.88	0.98	1.03	-	3840	3073	2800	2811
AUG.	-	2.29	1.77	2.02	2.15	-	1.14	0.78	0.99	1.03	-	3642	2904	1762	2944
SEP.	-	2.41	1.92	-	2.20	-	1.20	0.90	-	1.04	-	3761	3068	-	3006
<b>2ND QTR</b>	-	<b>2.37</b>	<b>1.86</b>	<b>2.05</b>	<b>2.16</b>	-	<b>1.19</b>	<b>0.85</b>	<b>0.99</b>	<b>1.03</b>	-	<b>3748</b>	<b>3015</b>	<b>2281</b>	<b>2920</b>
OCT.	-	2.39	1.91	-	2.25	-	1.17	0.89	-	1.05	-	3707	3075	-	3051
NOV.	-	2.39	1.93	-	2.26	-	1.22	0.87	-	1.04	-	3782	3026	-	2985
DEC.	-	2.46	1.96	-	2.28	-	1.27	0.88	-	1.05	-	3889	3026	-	2941
<b>3RD QTR</b>	-	<b>2.41</b>	<b>1.93</b>	-	<b>2.26</b>	-	<b>1.22</b>	<b>0.88</b>	-	<b>1.05</b>	-	<b>3793</b>	<b>3042</b>	-	<b>2992</b>
JAN'20	1.62	2.38	1.95	-	2.26	0.66	1.22	0.88	-	1.05	2450	3696	2956	-	2894
FEB.	1.98	2.21	1.89	-	2.24	0.93	1.12	0.87	-	1.05	2954	3764	2973	-	2928
MAR.	2.00	2.20	1.82	-	2.18	0.93	1.11	0.82	-	1.01	2999	3615	2567	-	2760
<b>4TH QTR.</b>	<b>1.87</b>	<b>2.26</b>	<b>1.89</b>	-	<b>2.23</b>	<b>0.84</b>	<b>1.15</b>	<b>0.86</b>	-	<b>1.04</b>	<b>2801</b>	<b>3692</b>	<b>2832</b>	-	<b>2861</b>
<b>2019-20</b>	<b>1.87</b>	<b>2.37</b>	<b>1.90</b>	<b>1.99</b>	<b>2.22</b>	<b>0.84</b>	<b>1.19</b>	<b>0.86</b>	<b>0.92</b>	<b>1.05</b>	<b>2801</b>	<b>3757</b>	<b>2934</b>	<b>2485</b>	<b>2934</b>
2018-19	-	2.48	1.95	2.10	2.22	-	1.27	0.89	0.97	1.08	-	3701	2958	2745	2811
2017-18	-	2.45	1.92	2.16	2.20	-	1.29	0.87	1.01	1.06	-	3681	2955	2736	2610
2016-17	-	2.39	1.93	2.01	2.05	-	1.21	0.87	0.86	0.96	-	3723	2873	2472	2806
2015-16	-	2.53	1.92	1.97	2.24	-	1.44	0.87	0.95	1.10	-	3631	2931	2856	2901

**परिचालनीय भूचकांक**  
**OPERATING INDICES**

**BLAST FURNACE**

Table No. 7.10(Contd.)

PERIOD	STEAM INJECTION (Kg/Hr.)					INTENSITY OF COKE BURNING(Kg/m <sup>3</sup> /day)					BURDEN RATIO(Iron Bearing Mat./Coke)				
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5
APR'19	-	11400	3100	2100	7400	-	852	768	694	901	-	3.72	3.54	3.04	3.54
MAY	-	9400	3900	2300	7100	-	859	643	695	936	-	3.67	3.59	3.27	3.43
JUN.	-	9200	3100	2100	7000	-	877	814	681	903	-	3.57	3.59	3.31	3.41
<b>1ST QTR</b>	-	<b>10000</b>	<b>3367</b>	<b>2167</b>	<b>7167</b>	-	<b>863</b>	<b>745</b>	<b>690</b>	<b>913</b>	-	<b>3.65</b>	<b>3.57</b>	<b>3.21</b>	<b>3.46</b>
JUL.	-	8600	3800	1800	7100	-	884	831	707	845	-	3.49	3.46	3.27	3.35
AUG.	-	10000	3800	1900	7200	-	821	783	701	926	-	3.18	3.23	3.07	3.23
SEP.	-	9500	3700	-	6600	-	889	882	-	964	-	3.37	3.38	-	3.51
<b>2ND QTR</b>	-	<b>9367</b>	<b>3767</b>	<b>1850</b>	<b>6967</b>	-	<b>865</b>	<b>831</b>	<b>705</b>	<b>912</b>	-	<b>3.35</b>	<b>3.36</b>	<b>3.19</b>	<b>3.36</b>
OCT.	-	10100	4700	-	7400	-	840	823	-	994	-	3.41	3.51	-	3.47
NOV.	-	9900	4100	-	7400	-	888	806	-	948	-	3.35	3.46	-	3.43
DEC.	-	10700	5800	-	7700	-	889	800	-	947	-	3.58	3.44	-	3.49
<b>3RD QTR</b>	-	<b>10233</b>	<b>4867</b>	-	<b>7500</b>	-	<b>872</b>	<b>810</b>	-	<b>963</b>	-	<b>3.45</b>	<b>3.47</b>	-	<b>3.46</b>
JAN'20	2800	9100	5100	-	7900	670	850	787	-	929	3.18	3.55	3.53	-	3.47
FEB.	2600	6500	3600	-	6800	894	852	780	-	922	3.35	3.41	3.34	-	3.38
MAR.	3300	5600	3300	-	6500	904	866	766	-	924	3.41	3.27	3.35	-	3.31
<b>4TH QTR.</b>	<b>2900</b>	<b>7067</b>	<b>4000</b>	-	<b>7067</b>	<b>834</b>	<b>856</b>	<b>778</b>	-	<b>925</b>	<b>3.33</b>	<b>3.41</b>	<b>3.41</b>	-	<b>3.39</b>
<b>2019-20</b>	<b>2900</b>	<b>9167</b>	<b>4000</b>	<b>2040</b>	<b>7175</b>	<b>834</b>	<b>864</b>	<b>792</b>	<b>695</b>	<b>929</b>	<b>3.33</b>	<b>3.46</b>	<b>3.45</b>	<b>3.20</b>	<b>3.42</b>
2018-19	-	10360	1960	1280	5270	-	791	711	684	840	-	3.66	3.57	3.59	3.59
2017-18	-	9442	3758	1625	5080	-	835	748	759	864	-	3.54	3.64	3.42	3.61
2016-17	-	11200	6120	4510	7550	-	867	755	750	828	-	3.45	3.56	3.45	3.42
2015-16	-	11910	6290	5720	7580	-	851	750	755	882	-	3.19	3.28	2.92	3.31



**परिचालनीय सूचकांक**  
**OPERATING INDICES**

**BLAST FURNACE**

Table No. 7.10(Contd.)

PERIOD	SINTER IN IRON BEARING CHARGE (%)											
	Weight Basis						Iron Basis					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall
APR'19	-	64.67	64.32	63.41	64.19	64.24	-	62.88	62.65	61.72	62.51	62.52
MAY	-	63.24	63.64	63.26	64.96	63.80	-	61.28	61.78	61.39	63.13	61.92
JUN.	-	62.82	63.51	62.82	62.71	62.96	-	60.94	61.80	61.09	60.97	61.18
<b>1ST QTR</b>	-	<b>63.57</b>	<b>63.83</b>	<b>63.16</b>	<b>63.99</b>	<b>63.66</b>	-	<b>61.70</b>	<b>62.08</b>	<b>61.40</b>	<b>62.20</b>	<b>61.87</b>
JUL.	-	70.76	70.38	68.84	69.97	70.11	-	65.87	66.49	65.52	66.66	66.13
AUG.	-	70.25	70.59	68.56	69.96	70.03	-	64.19	65.28	63.80	64.59	64.53
SEP.	-	71.11	71.94	-	70.99	71.31	-	67.25	69.07	-	68.36	68.13
<b>2ND QTR</b>	-	<b>70.73</b>	<b>70.99</b>	<b>68.74</b>	<b>70.34</b>	<b>70.46</b>	-	<b>65.77</b>	<b>66.95</b>	<b>64.66</b>	<b>66.54</b>	<b>66.26</b>
OCT.	-	69.60	70.94	-	70.20	70.20	-	68.36	69.82	-	69.07	69.03
NOV.	-	68.19	69.46	-	66.51	68.00	-	66.42	67.76	-	64.72	66.24
DEC.	-	66.60	68.36	-	66.61	67.08	-	64.78	66.94	-	65.16	65.49
<b>3RD QTR</b>	-	<b>68.07</b>	<b>69.61</b>	-	<b>67.84</b>	<b>68.43</b>	-	<b>66.52</b>	<b>68.17</b>	-	<b>66.32</b>	<b>66.92</b>
JAN'20	64.91	65.78	66.83	-	65.18	65.75	62.55	63.32	64.53	-	62.83	63.37
FEB.	63.00	64.58	65.37	-	63.48	64.10	60.55	62.08	63.00	-	61.04	61.65
MAR.	64.17	66.51	66.17	-	64.72	65.38	61.98	64.24	64.04	-	62.50	63.17
<b>4TH QTR.</b>	<b>63.90</b>	<b>65.63</b>	<b>66.17</b>	-	<b>64.48</b>	<b>65.08</b>	<b>61.69</b>	<b>63.21</b>	<b>63.86</b>	-	<b>62.12</b>	<b>62.73</b>
<b>2019-20</b>	<b>63.90</b>	<b>66.99</b>	<b>67.81</b>	<b>65.17</b>	<b>66.67</b>	<b>66.79</b>	<b>61.52</b>	<b>64.13</b>	<b>65.16</b>	<b>62.70</b>	<b>64.18</b>	<b>64.33</b>
2018-19	-	67.74	67.36	67.26	66.91	67.34	-	66.24	66.00	65.93	65.49	65.94
2017-18	-	69.74	68.96	67.96	66.07	68.61	-	68.34	67.65	66.60	64.50	67.27
2016-17	-	70.01	69.29	70.14	67.52	69.46	-	68.50	67.90	68.78	66.23	68.03
2015-16	-	66.34	65.41	65.94	64.26	65.44	-	65.04	63.17	63.91	61.29	63.32

**परिचालनीय सूचकांक**  
**OPERATING INDICES**

**BLAST FURNACE**

Table No. 7.10(Contd.)

PERIOD	AVG.PRODUCTION PER DAY (t)						PRODUCTIVITY(t/m <sup>3</sup> /day)											
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall	On Useful Volume						On Working Volume					
							Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall
APR'19	-	4107	2811	2248	3281	3101	-	1.643	1.405	1.124	1.641	1.462	-	1.826	1.599	1.279	1.867	1.652
MAY	-	4119	2191	2419	3339	3037	-	1.648	1.096	1.210	1.670	1.429	-	1.831	1.246	1.376	1.900	1.614
JUN.	-	4117	2940	2289	3161	3122	-	1.647	1.470	1.144	1.580	1.470	-	1.830	1.672	1.302	1.798	1.661
<b>1ST QTR</b>	-	<b>4115</b>	<b>2662</b>	<b>2320</b>	<b>3262</b>	<b>3086</b>	-	<b>1.646</b>	<b>1.331</b>	<b>1.160</b>	<b>1.631</b>	<b>1.454</b>	-	<b>1.829</b>	<b>1.514</b>	<b>1.320</b>	<b>1.856</b>	<b>1.642</b>
JUL.	-	4144	2986	2405	2804	3087	-	1.657	1.493	1.202	1.402	1.451	-	1.842	1.698	1.368	1.595	1.640
AUG.	-	3594	2618	2235	3070	2943	-	1.437	1.309	1.118	1.535	1.378	-	1.597	1.489	1.272	1.746	1.555
SEP.	-	4008	3096	-	3368	3494	-	1.603	1.548	-	1.684	1.611	-	1.782	1.761	-	1.916	1.816
<b>2ND QTR</b>	-	<b>3917</b>	<b>2897</b>	<b>2340</b>	<b>3082</b>	<b>3151</b>	-	<b>1.567</b>	<b>1.449</b>	<b>1.170</b>	<b>1.541</b>	<b>1.471</b>	-	<b>1.741</b>	<b>1.648</b>	<b>1.331</b>	<b>1.753</b>	<b>1.660</b>
OCT.	-	3784	2969	-	3480	3409	-	1.514	1.485	-	1.740	1.575	-	1.682	1.689	-	1.979	1.776
NOV.	-	4003	2935	-	3363	3436	-	1.601	1.467	-	1.681	1.585	-	1.779	1.669	-	1.913	1.786
DEC.	-	4177	2926	-	3380	3492	-	1.671	1.463	-	1.690	1.612	-	1.856	1.664	-	1.923	1.818
<b>3RD QTR</b>	-	<b>3988</b>	<b>2944</b>	-	<b>3409</b>	<b>3446</b>	-	<b>1.595</b>	<b>1.472</b>	-	<b>1.704</b>	<b>1.591</b>	-	<b>1.772</b>	<b>1.674</b>	-	<b>1.939</b>	<b>1.793</b>
JAN'20	2260	3973	2948	-	3319	3181	1.130	1.589	1.474	-	1.659	1.492	1.286	1.766	1.677	-	1.888	1.685
FEB.	3201	3850	2745	-	3172	3244	1.600	1.540	1.372	-	1.586	1.525	1.821	1.711	1.561	-	1.804	1.723
MAR.	3321	3938	2653	-	3180	3296	1.661	1.575	1.327	-	1.590	1.548	1.889	1.750	1.509	-	1.809	1.748
<b>4TH QTR.</b>	<b>2979</b>	<b>3922</b>	<b>2792</b>	-	<b>3226</b>	<b>3240</b>	<b>1.489</b>	<b>1.569</b>	<b>1.396</b>	-	<b>1.613</b>	<b>1.521</b>	<b>1.694</b>	<b>1.743</b>	<b>1.588</b>	-	<b>1.835</b>	<b>1.718</b>
<b>2019-20</b>	<b>2979</b>	<b>3985</b>	<b>2827</b>	<b>2327</b>	<b>3246</b>	<b>3220</b>	<b>1.489</b>	<b>1.594</b>	<b>1.414</b>	<b>1.164</b>	<b>1.623</b>	<b>1.505</b>	<b>1.694</b>	<b>1.771</b>	<b>1.608</b>	<b>1.324</b>	<b>1.846</b>	<b>1.699</b>
2018-19	-	3851	2681	2532	3121	3048	-	1.540	1.340	1.266	1.561	1.434	-	1.712	1.525	1.440	1.775	1.620
2017-18	-	3962	2838	2780	3314	3216	-	1.585	1.419	1.390	1.657	1.503	-	1.761	1.614	1.581	1.885	1.697
2016-17	-	4028	2839	2730	2974	3209	-	1.611	1.419	1.365	1.487	1.488	-	1.790	1.615	1.553	1.692	1.679
2015-16	-	3870	2673	2489	3168	3151	-	1.548	1.336	1.244	1.584	1.467	-	1.720	1.520	1.416	1.802	1.656

**परिचालनीय सूचकांक**  
**OPERATING INDICES**

**BLAST FURNACE**

Table No. 7.10

PERIOD	LOSS OF AIR BLAST (%)					CARBON EFFICIENCY (%)				
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5
APR'19	-	15.6	23.9	17.0	5.1	-	58.3	57.7	59.9	60.3
MAY	-	10.0	20.0	18.6	2.8	-	57.4	57.5	58.5	59.9
JUN.	-	11.9	26.7	23.9	6.4	-	56.8	56.8	59.5	59.8
<b>1ST QTR</b>	<b>-</b>	<b>12.5</b>	<b>23.5</b>	<b>19.8</b>	<b>4.8</b>	<b>-</b>	<b>57.5</b>	<b>57.3</b>	<b>59.3</b>	<b>60.0</b>
JUL.	-	10.3	22.8	21.4	3.2	-	56.3	56.8	57.9	58.7
AUG.	-	18.0	25.1	0.1	4.9	-	56.5	56.8	59.4	59.6
SEP.	-	15.4	20.4	-	2.2	-	57.7	57.5	-	60.3
<b>2ND QTR</b>	<b>-</b>	<b>14.6</b>	<b>22.8</b>	<b>10.7</b>	<b>3.5</b>	<b>-</b>	<b>56.8</b>	<b>57.0</b>	<b>58.6</b>	<b>59.5</b>
OCT.	-	14.5	24.6	-	6.3	-	57.3	57.5	-	62.7
NOV.	-	13.7	24.1	-	5.5	-	56.6	57.0	-	60.6
DEC.	-	9.3	18.7	-	3.4	-	57.0	57.7	-	59.6
<b>3RD QTR</b>	<b>-</b>	<b>12.5</b>	<b>22.5</b>	<b>-</b>	<b>5.1</b>	<b>-</b>	<b>57.0</b>	<b>57.4</b>	<b>-</b>	<b>61.0</b>
JAN'20	38.6	7.6	17.3	-	3.3	60.2	57.2	58.2	-	60.0
FEB.	17.9	10.5	22.2	-	10.3	60.4	56.9	58.3	-	60.0
MAR.	6.5	0.8	12.5	-	0.1	59.7	56.7	57.5	-	60.2
<b>4TH QTR.</b>	<b>21.0</b>	<b>6.3</b>	<b>17.3</b>	<b>-</b>	<b>4.6</b>	<b>60.1</b>	<b>56.9</b>	<b>58.0</b>	<b>-</b>	<b>60.1</b>
<b>2019-20</b>	<b>21.0</b>	<b>11.5</b>	<b>21.5</b>	<b>15.3</b>	<b>4.4</b>	<b>60.1</b>	<b>57.1</b>	<b>57.5</b>	<b>59.0</b>	<b>60.1</b>
2018-19	-	14.3	27.1	22.4	7.0	-	56.7	57.4	61.2	60.5
2017-18	-	14.0	27.6	18.3	7.4	-	56.4	58.6	62.0	61.4
2016-17	-	12.0	23.6	14.0	14.5	-	56.5	59.5	60.7	61.4
2015-16	-	7.0	17.6	11.8	4.5	-	57.0	60.3	60.6	60.8

## भट्टी प्राप्यता FURNACE AVAILABILITY

**BLAST FURNACE**

Table No. 7.11

PERIOD	AVAILABLE HOURS(Hrs:Mts.)						AVAILABILITY AGAINST CALENDAR HOURS(%)					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall
APR'19	-	678:35	705:00	720:00	708:30	2812:05	-	94.2	97.9	100.0	98.4	78.1
MAY	-	714:05	635:15	731:30	741:35	2822:25	-	96.0	85.4	98.3	99.7	75.9
JUN.	-	682:20	693:45	696:20	695:30	2767:55	-	94.8	96.4	96.7	96.6	76.9
<b>1ST QTR</b>	-	<b>2075:00</b>	<b>2034:00</b>	<b>2147:50</b>	<b>2145:35</b>	<b>8402:25</b>	-	<b>95.0</b>	<b>93.1</b>	<b>98.3</b>	<b>98.2</b>	<b>76.9</b>
JUL.	-	730:55	722:55	744:00	730:30	2928:20	-	98.2	97.2	100.0	98.2	78.7
AUG.	-	715:50	732:35	475:10	725:40	2649:15	-	96.2	98.5	63.9	97.5	71.2
SEP.	-	714:05	710:55	00:00	708:10	2133:10	-	99.2	98.7	0.0	98.4	59.3
<b>2ND QTR</b>	-	<b>2160:50</b>	<b>2166:25</b>	<b>1219:10</b>	<b>2164:20</b>	<b>7710:45</b>	-	<b>97.9</b>	<b>98.1</b>	<b>55.2</b>	<b>98.0</b>	<b>69.8</b>
OCT.	-	724:25	738:15	00:00	744:00	2206:40	-	97.4	99.2	0.0	100.0	59.3
NOV.	-	715:35	708:00	00:00	702:15	2125:50	-	99.4	98.3	0.0	97.5	59.1
DEC.	-	727:10	734:20	00:00	737:15	2198:45	-	97.7	98.7	0.0	99.1	59.1
<b>3RD QTR</b>	-	<b>2167:10</b>	<b>2180:35</b>	<b>00:00</b>	<b>2183:30</b>	<b>6531:15</b>	-	<b>98.2</b>	<b>98.8</b>	<b>0.0</b>	<b>98.9</b>	<b>59.2</b>
JAN'20	567:17	735:35	744:00	00:00	744:00	2790:52	76.2	98.9	100.0	0.0	100.0	75.0
FEB.	683:10	686:15	682:30	00:00	686:05	2738:00	98.2	98.6	98.1	0.0	98.6	78.7
MAR.	727:30	727:35	615:40	00:00	680:45	2751:30	97.8	97.8	82.8	0.0	91.5	74.0
<b>4TH QTR.</b>	<b>1977:57</b>	<b>2149:25</b>	<b>2042:10</b>	<b>00:00</b>	<b>2110:50</b>	<b>8280:22</b>	<b>90.6</b>	<b>98.4</b>	<b>93.5</b>	<b>0.0</b>	<b>96.6</b>	<b>75.8</b>
<b>2019-20</b>	<b>1977:57</b>	<b>8552:25</b>	<b>8423:10</b>	<b>3367:00</b>	<b>8604:15</b>	<b>30924:47</b>	<b>22.5</b>	<b>97.4</b>	<b>95.9</b>	<b>38.3</b>	<b>98.0</b>	<b>70.4</b>
2018-19	-	8466:00	8495:40	8427:20	8435:25	33824:25	-	96.6	97.0	96.2	96.3	77.2
2017-18	-	8549:05	8485:05	8545:15	5328:35	30908:00	-	97.6	96.9	97.5	60.8	70.6
2016-17	-	8076:15	7880:25	5618:05	4363:30	25938:15	-	92.2	90.0	64.1	49.8	59.2
2015-16	-	8445:45	8405:50	3280:20	8422:30	28554:25	-	96.1	95.7	37.3	95.9	65.0

## भट्टी उपयोग FURNACE UTILISATION

**BLAST FURNACE**

Table No. 7.12

PERIOD	UTILISATION HOURS(Hrs:Mts.)						UTILISATION AGAINST AVAILABLE HOURS (%)						Fce Utilisation Excl.50% Low Blast Period
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Overall	
APR'19	-	676:25	705:00	708:55	708:30	2798:50	-	99.7	100.0	98.5	100.0	99.5	98.9
MAY	-	705:15	631:00	731:30	737:35	2805:20	-	98.8	99.3	100.0	99.5	99.4	97.5
JUN.	-	682:20	693:45	696:20	695:30	2767:55	-	100.0	100.0	100.0	100.0	100.0	98.7
<b>1ST QTR</b>	-	<b>2064:00</b>	<b>2029:45</b>	<b>2136:45</b>	<b>2141:35</b>	<b>8372:05</b>	-	<b>99.5</b>	<b>99.8</b>	<b>99.5</b>	<b>99.8</b>	<b>99.6</b>	<b>98.4</b>
JUL.	-	730:55	717:20	738:00	690:40	2876:55	-	100.0	99.2	99.2	94.5	98.2	96.7
AUG.	-	715:50	727:35	452:20	723:45	2619:30	-	100.0	99.3	95.2	99.7	98.9	89.0
SEP.	-	713:15	700:30	00:00	698:30	2112:15	-	99.9	98.5	-	98.6	99.0	97.7
<b>2ND QTR</b>	-	<b>2160:00</b>	<b>2145:25</b>	<b>1190:20</b>	<b>2112:55</b>	<b>7608:40</b>	-	<b>100.0</b>	<b>99.0</b>	<b>97.6</b>	<b>97.6</b>	<b>98.7</b>	<b>94.3</b>
OCT.	-	724:25	738:15	00:00	741:10	2203:50	-	100.0	100.0	-	99.6	99.9	99.0
NOV.	-	715:35	705:45	00:00	702:15	2123:35	-	100.0	99.7	-	100.0	99.9	99.1
DEC.	-	725:50	734:20	00:00	732:45	2192:55	-	99.8	100.0	-	99.4	99.7	99.3
<b>3RD QTR</b>	-	<b>2165:50</b>	<b>2178:20</b>	<b>00:00</b>	<b>2176:10</b>	<b>6520:20</b>	-	<b>99.9</b>	<b>99.9</b>	-	<b>99.7</b>	<b>99.8</b>	<b>99.1</b>
JAN'20	535:27	712:50	727:35	00:00	717:30	2693:22	94.4	96.9	97.8	-	96.4	96.5	95.3
FEB.	636:40	668:15	656:50	00:00	675:00	2636:45	93.2	97.4	96.2	-	98.4	96.3	92.5
MAR.	710:00	680:40	591:25	00:00	646:50	2628:55	97.6	93.6	96.1	-	95.0	95.5	88.0
<b>4TH QTR.</b>	<b>1882:07</b>	<b>2061:45</b>	<b>1975:50</b>	<b>00:00</b>	<b>2039:20</b>	<b>7959:02</b>	<b>95.2</b>	<b>95.9</b>	<b>96.8</b>	-	<b>96.6</b>	<b>96.1</b>	<b>91.9</b>
<b>2019-20</b>	<b>1882:07</b>	<b>8451:35</b>	<b>8329:20</b>	<b>3327:05</b>	<b>8470:00</b>	<b>30460:07</b>	<b>95.2</b>	<b>98.8</b>	<b>98.9</b>	<b>98.8</b>	<b>98.4</b>	<b>98.5</b>	<b>95.8</b>
<b>2018-19</b>	-	<b>8331:40</b>	<b>8334:45</b>	<b>8224:15</b>	<b>8257:00</b>	<b>33147:40</b>	-	<b>98.4</b>	<b>98.1</b>	<b>97.6</b>	<b>97.9</b>	<b>98.0</b>	<b>96.4</b>
<b>2017-18</b>	-	<b>8386:10</b>	<b>8307:00</b>	<b>8330:50</b>	<b>5171:15</b>	<b>30195:15</b>	-	<b>98.1</b>	<b>97.9</b>	<b>97.5</b>	<b>97.0</b>	<b>97.7</b>	<b>95.9</b>
<b>2016-17</b>	-	<b>7968:00</b>	<b>7745:15</b>	<b>5563:00</b>	<b>4226:30</b>	<b>25502:45</b>	-	<b>98.7</b>	<b>98.3</b>	<b>99.0</b>	<b>96.9</b>	<b>98.3</b>	<b>96.8</b>
<b>2015-16</b>	-	<b>8319:20</b>	<b>8258:20</b>	<b>3272:30</b>	<b>8330:00</b>	<b>28180:10</b>	-	<b>98.5</b>	<b>98.2</b>	<b>99.8</b>	<b>98.9</b>	<b>98.7</b>	<b>94.5</b>

**धमनहीन अवधि**  
**OFF BLAST PERIOD**

**BLAST FURNACE**

Unit : (Hrs.:Mts.)

Table No. 7.13(Contd.)

PERIOD	SCHEDULE MAINT.+ CAPITAL REPAIR + MAJOR REPAIR						CAPITAL REPAIR					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total
APR'19	720:00	41:25	15:00	00:00	11:30	787:55	720:00	00:00	00:00	00:00	00:00	720:00
MAY	744:00	29:55	108:45	12:30	02:25	897:35	744:00	00:00	101:25	00:00	00:00	845:25
JUN.	720:00	37:40	26:15	23:40	24:30	832:05	720:00	00:00	00:00	00:00	00:00	720:00
<b>1ST QTR</b>	<b>2184:00</b>	<b>109:00</b>	<b>150:00</b>	<b>36:10</b>	<b>38:25</b>	<b>2517:35</b>	<b>2184:00</b>	<b>00:00</b>	<b>101:25</b>	<b>00:00</b>	<b>00:00</b>	<b>2285:25</b>
JUL.	744:00	13:05	21:05	00:00	13:30	791:40	744:00	00:00	00:00	00:00	00:00	744:00
AUG.	744:00	28:10	11:25	268:50	18:20	1070:45	744:00	00:00	00:00	264:00	00:00	1008:00
SEP.	720:00	05:55	09:05	720:00	11:50	1466:50	720:00	00:00	00:00	720:00	00:00	1440:00
<b>2ND QTR</b>	<b>2208:00</b>	<b>47:10</b>	<b>41:35</b>	<b>988:50</b>	<b>43:40</b>	<b>3329:15</b>	<b>2208:00</b>	<b>00:00</b>	<b>00:00</b>	<b>984:00</b>	<b>00:00</b>	<b>3192:00</b>
OCT.	744:00	19:35	05:45	744:00	00:00	1513:20	744:00	00:00	00:00	744:00	00:00	1488:00
NOV.	720:00	04:25	12:00	720:00	17:45	1474:10	720:00	00:00	00:00	720:00	00:00	1440:00
DEC.	744:00	16:50	09:40	744:00	06:45	1521:15	744:00	00:00	00:00	744:00	00:00	1488:00
<b>3RD QTR</b>	<b>2208:00</b>	<b>40:50</b>	<b>27:25</b>	<b>2208:00</b>	<b>24:30</b>	<b>4508:45</b>	<b>2208:00</b>	<b>00:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>00:00</b>	<b>4416:00</b>
JAN'20	176:43	08:25	00:00	744:00	00:00	929:08	174:58	00:00	00:00	744:00	00:00	918:58
FEB.	12:50	09:45	13:30	696:00	09:55	742:00	00:00	00:00	00:00	696:00	00:00	696:00
MAR.	16:30	16:25	128:20	744:00	63:15	968:30	00:00	00:00	116:35	744:00	40:20	900:55
<b>4TH QTR.</b>	<b>206:03</b>	<b>34:35</b>	<b>141:50</b>	<b>2184:00</b>	<b>73:10</b>	<b>2639:38</b>	<b>174:58</b>	<b>00:00</b>	<b>116:35</b>	<b>2184:00</b>	<b>40:20</b>	<b>2515:53</b>
<b>2019-20</b>	<b>6806:03</b>	<b>231:35</b>	<b>360:50</b>	<b>5417:00</b>	<b>179:45</b>	<b>12995:13</b>	<b>6774:58</b>	<b>00:00</b>	<b>218:00</b>	<b>5376:00</b>	<b>40:20</b>	<b>12409:18</b>
2018-19	8760:00	294:00	264:20	332:40	324:35	9975:35	8760:00	00:00	00:00	00:00	00:00	8760:00
2017-18	8760:00	210:55	274:55	214:45	3431:25	12892:00	8760:00	00:00	00:00	00:00	3292:55	12052:55
2016-17	8760:00	683:45	879:35	3141:55	4396:30	17861:45	8760:00	550:55	00:00	2813:40	4283:15	16407:50
2015-16	8784:00	338:15	378:10	5503:40	361:30	15365:35	8784:00	00:00	00:00	5419:20	00:00	14203:20

# धमनहीन अवधि OFF BLAST PERIOD

## BLAST FURNACE

Unit : (Hrs.:Mts.)

Table No. 7.13(Contd.)

PERIOD	MECHANICAL						ELECTRICAL					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total
APR'19	00:00	02:10	00:00	04:20	00:00	06:30	00:00	00:00	00:00	00:00	00:00	00:00
MAY	00:00	01:50	00:00	00:00	00:00	01:50	00:00	00:00	00:00	00:00	04:00	04:00
JUN.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
<b>1ST QTR</b>	<b>00:00</b>	<b>04:00</b>	<b>00:00</b>	<b>04:20</b>	<b>00:00</b>	<b>08:20</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>04:00</b>	<b>04:00</b>
JUL.	00:00	00:00	00:00	00:00	36:20	36:20	00:00	00:00	00:00	00:00	00:00	00:00
AUG.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
SEP.	00:00	00:50	06:25	00:00	09:40	16:55	00:00	00:00	00:00	00:00	00:00	00:00
<b>2ND QTR</b>	<b>00:00</b>	<b>00:50</b>	<b>06:25</b>	<b>00:00</b>	<b>46:00</b>	<b>53:15</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
OCT.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
NOV.	00:00	00:00	02:15	00:00	00:00	02:15	00:00	00:00	00:00	00:00	00:00	00:00
DEC.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
<b>3RD QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>02:15</b>	<b>00:00</b>	<b>00:00</b>	<b>02:15</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
JAN'20	09:50	00:00	00:35	00:00	00:00	10:25	00:00	00:00	00:00	00:00	00:00	00:00
FEB.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
MAR.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
<b>4TH QTR.</b>	<b>09:50</b>	<b>00:00</b>	<b>00:35</b>	<b>00:00</b>	<b>00:00</b>	<b>10:25</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
<b>2019-20</b>	<b>09:50</b>	<b>04:50</b>	<b>09:15</b>	<b>04:20</b>	<b>46:00</b>	<b>74:15</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>04:00</b>	<b>04:00</b>
2018-19	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
2017-18	00:00	67:45	00:00	00:00	00:00	67:45	00:00	00:00	02:45	01:10	01:25	05:20
2016-17	00:00	07:45	03:00	00:00	55:15	66:00	00:00	00:00	00:00	00:00	00:55	00:55
2015-16	00:00	94:15	25:55	00:00	31:00	151:10	00:00	00:00	00:00	00:00	00:00	00:00

# धमनहीन अवधि OFF BLAST PERIOD

## BLAST FURNACE

Unit : (Hrs.:Mts.)

Table No. 7.13

PERIOD	OPERATIONAL						MISCELLANEOUS					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total
APR'19	00:00	00:00	00:00	06:45	00:00	06:45	00:00	00:00	00:00	00:00	00:00	00:00
MAY	00:00	07:00	04:15	00:00	00:00	11:15	00:00	00:00	00:00	00:00	00:00	00:00
JUN.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
<b>1ST QTR</b>	<b>00:00</b>	<b>07:00</b>	<b>04:15</b>	<b>06:45</b>	<b>00:00</b>	<b>18:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
JUL.	00:00	00:00	00:00	06:00	00:00	06:00	00:00	00:00	05:35	00:00	03:30	09:05
AUG.	00:00	00:00	00:00	22:50	01:55	24:45	00:00	00:00	05:00	00:00	00:00	05:00
SEP.	00:00	00:00	04:00	00:00	00:00	04:00	00:00	00:00	00:00	00:00	00:00	00:00
<b>2ND QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>04:00</b>	<b>28:50</b>	<b>01:55</b>	<b>34:45</b>	<b>00:00</b>	<b>00:00</b>	<b>10:35</b>	<b>00:00</b>	<b>03:30</b>	<b>14:05</b>
OCT.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	02:50	02:50
NOV.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
DEC.	00:00	01:20	00:00	00:00	04:30	05:50	00:00	00:00	00:00	00:00	00:00	00:00
<b>3RD QTR</b>	<b>00:00</b>	<b>01:20</b>	<b>00:00</b>	<b>00:00</b>	<b>04:30</b>	<b>05:50</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>02:50</b>	<b>02:50</b>
JAN'20	00:00	22:45	00:00	00:00	00:00	22:45	22:00	00:00	15:50	00:00	26:30	64:20
FEB.	00:00	00:00	00:00	00:00	01:30	01:30	46:30	18:00	25:40	00:00	09:35	99:45
MAR.	00:00	00:00	00:00	00:00	00:00	00:00	17:30	46:55	24:15	00:00	33:55	122:35
<b>4TH QTR.</b>	<b>00:00</b>	<b>22:45</b>	<b>00:00</b>	<b>00:00</b>	<b>01:30</b>	<b>24:15</b>	<b>86:00</b>	<b>64:55</b>	<b>65:45</b>	<b>00:00</b>	<b>70:00</b>	<b>286:40</b>
<b>2019-20</b>	<b>00:00</b>	<b>31:05</b>	<b>08:15</b>	<b>35:35</b>	<b>07:55</b>	<b>82:50</b>	<b>86:00</b>	<b>64:55</b>	<b>76:20</b>	<b>00:00</b>	<b>76:20</b>	<b>303:35</b>
2018-19	00:00	03:35	26:30	31:15	10:20	71:40	00:00	130:45	134:25	171:50	168:05	605:05
2017-18	00:00	03:55	26:15	00:00	20:25	50:35	00:00	91:15	149:05	213:15	135:30	589:05
2016-17	00:00	97:40	132:10	55:05	79:25	364:20	00:00	02:50	00:00	00:00	01:25	04:15
2015-16	00:00	09:00	96:55	07:50	49:05	162:50	00:00	23:10	24:40	00:00	12:25	60:15



**धमनहीन / निम्न धमन अवधि**  
**OFF BLAST / LOW BLAST PERIOD**

**BLAST FURNACE**

Unit : (Hrs.:Mts.)

Table No. 7.14

PERIOD	TOTAL OFF BLAST PERIOD(Excl.schedule Maint. & CR)						TOTAL LOW BLAST PERIOD					
	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total	Fce-1	Fce-2	Fce-3	Fce-4	Fce-5	Total
APR'19	00:00	02:10	00:00	11:05	00:00	13:15	00:00	06:50	08:35	16:25	04:55	36:45
MAY	00:00	08:50	04:15	00:00	04:00	17:05	00:00	30:45	29:55	39:50	06:05	106:35
JUN.	00:00	00:00	00:00	00:00	00:00	00:00	00:00	12:45	15:40	21:25	21:40	71:30
<b>1ST QTR</b>	<b>00:00</b>	<b>11:00</b>	<b>04:15</b>	<b>11:05</b>	<b>04:00</b>	<b>30:20</b>	<b>00:00</b>	<b>50:20</b>	<b>54:10</b>	<b>77:40</b>	<b>32:40</b>	<b>214:50</b>
JUL.	00:00	00:00	05:35	06:00	39:50	51:25	00:00	35:55	16:35	24:05	16:40	93:15
AUG.	00:00	00:00	05:00	22:50	01:55	29:45	00:00	197:10	189:00	14:10	124:25	524:45
SEP.	00:00	00:50	10:25	00:00	09:40	20:55	00:00	20:30	17:20	00:00	20:20	58:10
<b>2ND QTR</b>	<b>00:00</b>	<b>00:50</b>	<b>21:00</b>	<b>28:50</b>	<b>51:25</b>	<b>102:05</b>	<b>00:00</b>	<b>253:35</b>	<b>222:55</b>	<b>38:15</b>	<b>161:25</b>	<b>676:10</b>
OCT.	00:00	00:00	00:00	00:00	02:50	02:50	00:00	21:20	06:10	00:00	11:15	38:45
NOV.	00:00	00:00	02:15	00:00	00:00	02:15	00:00	17:00	09:45	00:00	07:15	34:00
DEC.	00:00	01:20	00:00	00:00	04:30	05:50	00:00	06:20	07:35	00:00	03:50	17:45
<b>3RD QTR</b>	<b>00:00</b>	<b>01:20</b>	<b>02:15</b>	<b>00:00</b>	<b>07:20</b>	<b>10:55</b>	<b>00:00</b>	<b>44:40</b>	<b>23:30</b>	<b>00:00</b>	<b>22:20</b>	<b>90:30</b>
JAN'20	31:50	22:45	16:25	00:00	26:30	97:30	34:45	16:40	08:35	00:00	07:15	67:15
FEB.	46:30	18:00	25:40	00:00	11:05	101:15	75:30	53:30	32:15	00:00	45:25	206:40
MAR.	17:30	46:55	24:15	00:00	33:55	122:35	112:25	181:40	46:00	00:00	76:40	416:45
<b>4TH QTR.</b>	<b>95:50</b>	<b>87:40</b>	<b>66:20</b>	<b>00:00</b>	<b>71:30</b>	<b>321:20</b>	<b>222:40</b>	<b>251:50</b>	<b>86:50</b>	<b>00:00</b>	<b>129:20</b>	<b>690:40</b>
<b>2019-20</b>	<b>95:50</b>	<b>100:50</b>	<b>93:50</b>	<b>39:55</b>	<b>134:15</b>	<b>464:40</b>	<b>222:40</b>	<b>600:25</b>	<b>387:25</b>	<b>115:55</b>	<b>345:45</b>	<b>1672:10</b>
2018-19	00:00	134:20	160:55	203:05	178:25	676:45	00:00	305:20	231:25	358:45	163:45	1059:15
2017-18	00:00	162:55	178:05	214:25	157:20	712:45	00:00	271:35	183:55	289:25	341:40	1086:35
2016-17	00:00	108:15	135:10	55:05	137:00	435:30	00:00	290:55	157:59	143:35	194:05	786:34
2015-16	00:00	126:25	147:30	07:50	92:30	374:15	00:00	406:50	873:30	294:40	833:35	2408:35

## सेवाओं की खपत CONSUMPTION OF SERVICES

**BLAST FURNACE**

Table No. 7.15

PERIOD	TOTAL						PER TONNE OF HOT METAL						
	Electri- city (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )	Steam (t)	BF Gas (10 <sup>3</sup> m <sup>3</sup> )	CO Gas (10 <sup>3</sup> m <sup>3</sup> )	Refrac- tory (t)	Electri- city (KWH)	Water (m <sup>3</sup> )	Steam (Kg)	BF Gas (m <sup>3</sup> )	CO Gas (m <sup>3</sup> )	Refrac- tory (Kg)	Heat (10 <sup>6</sup> Kcal)
APR'19	9808.6	16050	38148	250488	1658	672.4	27.1	44.4	105.5	692.7	4.6	1.9	4.356
MAY	9698.5	16551	36457	245677	1543	1277.9	27.3	46.6	102.7	692.0	4.3	3.6	4.385
JUN.	10082.8	16060	38427	247242	1446	211.3	28.0	44.6	106.7	686.7	4.0	0.6	4.424
<b>1ST QTR</b>	<b>29589.9</b>	<b>48661</b>	<b>113032</b>	<b>743407</b>	<b>4647</b>	<b>2161.5</b>	<b>27.5</b>	<b>45.2</b>	<b>105.0</b>	<b>690.5</b>	<b>4.3</b>	<b>2.0</b>	<b>4.388</b>
JUL.	9892.3	16514	37651	255208	1770	1120.1	26.7	44.6	101.7	689.6	4.8	3.0	4.344
AUG.	9869.4	16445	35428	223060	1815	934.1	30.7	51.2	110.3	694.3	5.6	2.9	4.353
SEP.	8994.4	15980	34244	206138	1789	299.1	29.2	52.0	111.4	670.3	5.8	1.0	4.280
<b>2ND QTR</b>	<b>28756.1</b>	<b>48939</b>	<b>107323</b>	<b>684406</b>	<b>5374</b>	<b>2353.3</b>	<b>28.8</b>	<b>49.0</b>	<b>107.4</b>	<b>685.2</b>	<b>5.4</b>	<b>2.4</b>	<b>4.326</b>
OCT.	9049.8	16501	33927	211952	1582	1337.1	28.9	52.7	108.4	677.1	5.1	4.3	4.313
NOV.	9023.2	15983	32543	194824	1243	1103.5	29.7	52.6	107.0	640.8	4.1	3.6	4.345
DEC.	9449.4	16476	33100	208392	1274	345.8	29.6	51.6	103.7	653.2	4.0	1.1	4.294
<b>3RD QTR</b>	<b>27522.4</b>	<b>48960</b>	<b>99570</b>	<b>615168</b>	<b>4099</b>	<b>2786.4</b>	<b>29.4</b>	<b>52.3</b>	<b>106.4</b>	<b>657.1</b>	<b>4.4</b>	<b>3.0</b>	<b>4.317</b>
JAN'20	9679.0	16355	31427	237071	1255	967.9	27.1	45.8	88.0	664.0	3.5	2.7	4.285
FEB.	9450.7	15400	32578	240055	1193	991.4	26.5	43.2	91.4	673.5	3.3	2.8	4.359
MAR.	8894.9	16410	31856	247484	1523	1074.4	24.6	45.5	88.2	685.5	4.2	3.0	4.409
<b>4TH QTR.</b>	<b>28024.6</b>	<b>48165</b>	<b>95861</b>	<b>724610</b>	<b>3971</b>	<b>3033.7</b>	<b>26.1</b>	<b>44.8</b>	<b>89.2</b>	<b>674.4</b>	<b>3.7</b>	<b>2.8</b>	<b>4.351</b>
<b>2019-20</b>	<b>113893.0</b>	<b>194725</b>	<b>415786</b>	<b>2767591</b>	<b>18091</b>	<b>10334.9</b>	<b>27.9</b>	<b>47.7</b>	<b>101.8</b>	<b>677.3</b>	<b>4.4</b>	<b>2.5</b>	<b>4.346</b>
2018-19	105291.4	187228	602613	2927350	16875	10341.0	25.0	44.5	143.2	695.5	4.0	2.5	4.264
2017-18	98963.0	153266	642770	2744038	17143	8617.2	24.5	37.9	158.9	678.3	4.2	2.1	4.149
2016-17	96158.9	153980	650852	2273025	18515	8847.2	28.2	45.2	190.9	666.6	5.4	2.6	4.123
2015-16	103756.3	156351	562080	2587168	24924	9668.9	28.0	42.3	151.9	699.2	6.7	2.6	4.247

\* Refractory Consn. Excludes BF C/R.

Page No.148

कोटिपार कच्चा लोहा का उत्पादन एवं सेवाओं की खपत  
GRADEWISE PRODUCTION OF PIG IRON AND CONSUMPTION OF SERVICES

PCM

Table No. 7.16

PERIOD	Hot Metal Poured At PCM	Hi-Si	Off Gr.	SAIL-A	TOTAL	TOTAL		PER TONNE OF PIG IRON	
						Electricity (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )	Electricity (KWH)	Water (m <sup>3</sup> )
APR'19	9238	0	7043	1548	8591	118.4	982	13.8	114.3
MAY	16435	334	11151	3800	15285	117.1	967	7.7	63.3
JUN.	17294	0	13454	2629	16083	121.7	953	7.6	59.3
<b>1ST QTR</b>	<b>42967</b>	<b>334</b>	<b>31648</b>	<b>7977</b>	<b>39959</b>	<b>357.2</b>	<b>2902</b>	<b>8.9</b>	<b>72.6</b>
JUL.	11945	0	8899	2210	11109	119.4	955	10.7	86.0
AUG.	15982	0	12130	2733	14863	119.1	886	8.0	59.6
SEP.	7202	0	5674	1024	6698	108.6	945	16.2	141.1
<b>2ND QTR</b>	<b>35129</b>	<b>0</b>	<b>26703</b>	<b>5967</b>	<b>32670</b>	<b>347.1</b>	<b>2786</b>	<b>10.6</b>	<b>85.3</b>
OCT.	4168	0	3699	177	3876	109.2	980	28.2	252.8
NOV.	8397	0	6677	1132	7809	109.0	943	14.0	120.8
DEC.	6603	0	4873	1268	6141	114.1	952	18.6	155.0
<b>3RD QTR</b>	<b>19168</b>	<b>0</b>	<b>15249</b>	<b>2577</b>	<b>17826</b>	<b>332.3</b>	<b>2875</b>	<b>18.6</b>	<b>161.3</b>
JAN'20	13011	1413	9642	1045	12100	116.9	942	9.7	77.9
FEB.	14047	0	11062	2002	13064	114.1	970	8.7	74.2
MAR.	15345	0	12741	1530	14271	107.3	955	7.5	66.9
<b>4TH QTR.</b>	<b>42403</b>	<b>1413</b>	<b>33445</b>	<b>4577</b>	<b>39435</b>	<b>338.3</b>	<b>2867</b>	<b>8.6</b>	<b>72.7</b>
<b>2019-20</b>	<b>139667</b>	<b>1747</b>	<b>107045</b>	<b>21098</b>	<b>129890</b>	<b>1374.9</b>	<b>11430</b>	<b>10.6</b>	<b>88.0</b>
2018-19	91606	0	71218	13976	85194	1271.0	11206	14.9	131.5
2017-18	60947	199	44198	12284	56681	1201.2	10663	21.2	188.1
2016-17	30645	0	22880	5620	28500	1160.8	10839	40.7	380.3
2015-16	34995	265	17569	14712	32546	1252.7	11411	38.5	350.6

**धातुमल कणीकरण संयंत्र**  
**SLAG GRANULATION PLANT**

Table No. 7.17

S.G.P.

PERIOD	Ladle Tilted (Nos.)	Prodn. of Granulated Slag (t)	AVAILABILITY & UTILISATION						CONSPN.OF SERVICES	
			UNIT : Hrs.:Mts.				Availability against Cal.Hrs.(%)	Utilisation against Avl.Hrs.(%)	Electricity (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )
			Sch.Shut Down	Available Hours	Idle Hours	Working Hours				
APR'19	598	7774	20:00	700:00	593:10	106:50	97.2	15.3	115.4	107
MAY	817	10621	24:00	720:00	569:15	150:45	96.8	20.9	132.0	111
JUN.	574	7462	20:00	700:00	587:35	112:25	97.2	16.1	130.8	108
<b>1ST QTR</b>	<b>1989</b>	<b>25857</b>	<b>64:00</b>	<b>2120:00</b>	<b>1750:00</b>	<b>370:00</b>	<b>97.1</b>	<b>17.5</b>	<b>378.2</b>	<b>326</b>
JUL.	626	8138	24:00	720:00	605:10	114:50	96.8	15.9	139.5	110
AUG.	373	4849	24:00	720:00	645:15	74:45	96.8	10.4	120.4	109
SEP.	374	4862	20:00	700:00	615:45	84:15	97.2	12.0	129.1	120
<b>2ND QTR</b>	<b>1373</b>	<b>17849</b>	<b>68:00</b>	<b>2140:00</b>	<b>1866:10</b>	<b>273:50</b>	<b>96.9</b>	<b>12.8</b>	<b>389.0</b>	<b>339</b>
OCT.	519	6747	24:00	720:00	613:45	106:15	96.8	14.8	128.9	110
NOV.	515	6695	20:00	700:00	599:30	100:30	97.2	14.4	129.8	118
DEC.	457	5941	24:00	720:00	637:55	82:05	96.8	11.4	133.8	121
<b>3RD QTR</b>	<b>1491</b>	<b>19383</b>	<b>68:00</b>	<b>2140:00</b>	<b>1851:10</b>	<b>288:50</b>	<b>96.9</b>	<b>13.5</b>	<b>392.5</b>	<b>349</b>
JAN'20	201	2613	24:00	720:00	679:45	40:15	96.8	5.6	119.8	130
FEB.	150	1950	21:00	675:00	637:15	37:45	97.0	5.6	107.9	103
MAR.	357	4641	24:00	720:00	660:40	59:20	96.8	8.2	93.3	110
<b>4TH QTR.</b>	<b>708</b>	<b>9204</b>	<b>69:00</b>	<b>2115:00</b>	<b>1977:40</b>	<b>137:20</b>	<b>96.8</b>	<b>6.5</b>	<b>321.0</b>	<b>343</b>
<b>2019-20</b>	<b>5561</b>	<b>72293</b>	<b>269:00</b>	<b>8515:00</b>	<b>7445:00</b>	<b>1070:00</b>	<b>96.9</b>	<b>12.6</b>	<b>1480.7</b>	<b>1357</b>
2018-19	9154	119002	268:00	8492:00	6683:10	1808:50	96.9	21.3	1637.1	1292
2017-18	14742	180246	776:00	7984:00	5438:30	2545:30	91.1	31.9	1266.5	1478
2016-17	17439	209268	268:00	8492:00	5538:25	2953:35	96.9	34.8	1225.2	1174
2015-16	19737	236844	268:00	8516:00	5029:20	3486:40	96.9	40.9	1455.6	1291



## सारांश SUMMARY



Table No. 8.1(contd)

Sl.No.	PARTICULARS	Unit	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1</b>	<b>(a) HEATS MADE</b>						
	<b>SMS-I</b>	No.					
	Converter A	"	0	12	657	239	773
	Converter B	"	2261	1756	1166	590	113
	Converter C	"	736	1777	885	191	1308
	Converter D	"	0	0	714	402	1488
	Converter E	"	205	0	0	0	804
	<b>Total(SMS-I)</b>	"	<b>3202</b>	<b>3545</b>	<b>3422</b>	<b>1422</b>	<b>4486</b>
	<b>SMS-II</b>						
	Converter No.I	"	5831	6394	6264	5747	5418
	Converter No.II	"	6141	6077	5744	5180	5111
	<b>Total(SMS-II)</b>	"	<b>11972</b>	<b>12471</b>	<b>12008</b>	<b>10927</b>	<b>10529</b>
	<b>Grand Total</b>	"	<b>15174</b>	<b>16016</b>	<b>15430</b>	<b>12349</b>	<b>15015</b>
	<b>(b) INGOT STEEL PRODUCTION</b>						
	SMS-I	Tonne	399577	439775	417885	176533	548044
	<b>(c) CCD SLAB PRODUCTION</b>	"	<b>3267797</b>	<b>3393576</b>	<b>3275703</b>	<b>2977200</b>	<b>2844031</b>
	<b>(d) TOTAL CRUDE STEEL PRODUCTION</b>	"	<b>3667374</b>	<b>3833351</b>	<b>3693588</b>	<b>3153733</b>	<b>3392075</b>
<b>2</b>	<b>PRODUCTION/HEAT(CRUDE STEEL)</b>						
	SMS-I	Tonne	124.8	124.1	122.1	124.1	122.2
	SMS-II	"	273.0	272.1	272.8	272.5	270.1

# बारांश SUMMARY

## S.M.S.+C.C.S.

Table No. 8.1(contd)

SI.No.	PARTICULARS	Unit	2019-20	2018-19	2017-18	2016-17	2015-16
3	<b>YIELD OF INGOT STEEL FROM GROSS STEEL</b>						
	SMS-I	%	98.2	98.2	97.5	98.1	97.8
4	<b>YIELD OF CRUDE STEEL FROM METALLIC CHARGE</b>						
	SMS-I	"	87.8	88.9	88.9	89.2	89.2
	SMS-II	"	88.9	88.9	88.9	88.8	88.8
	<b>Overall</b>	"	<b>88.8</b>	<b>88.9</b>	<b>88.9</b>	<b>88.8</b>	<b>88.9</b>
5	<b>CONSUMPTION OF MATERIALS/T OF CRUDE STEEL</b>						
	Hot Metal	Kg.	1023.9	1021.4	1023.5	1021.7	1019.0
	Scrap	"	102.7	103.5	101.7	104.2	106.0
	Copper	"	0.05	0.07	0.05	0.06	0.04
	Lime/Cal Dolo	"	77.1	78.9	78.3	79.9	80.5
	Lime stone	"	0.00	0.00	1.07	1.71	0.15
	Fe-Mn	"	5.06	4.41	3.76	4.30	4.62
	Fe-Si	"	0.38	0.37	0.33	0.43	0.35
	Fe-Nb	"	0.010	0.013	0.014	0.018	0.012
	Si-Mn	"	3.79	3.39	4.10	3.44	3.81
	Aluminium	"	2.23	2.16	2.00	2.27	2.01
	Pet Coke	"	0.21	0.18	0.17	0.21	0.20
	Ingot Mould	"	29.0	29.5	36.9	34.8	32.3
	Bottom Plate	"	34.1	35.8	42.2	35.1	36.6

# झारांश SUMMARY

## S.M.S.+C.C.S.

Table No. 8.1(contd)

Sl.No.	PARTICULARS	Unit	2019-20	2018-19	2017-18	2016-17	2015-16
6.	<b>GROSS METALLIC INPUT</b> (per tonne of Crude Steel)	<b>Kg</b>	<b>1139.5</b>	<b>1139.5</b>	<b>1139.5</b>	<b>1139.6</b>	<b>1139.9</b>
7.	<b>AVERAGE LINING LIFE</b>						
	- SMS-I	No.	809	926	834	1211	1054
	- SMS-II	"	3211	3425	3682	4341	5132
8.	<b>CONVERTER AVAILABILITY</b> (Against Cal. Hrs)						
	- SMS-I	%	42.8	37.9	59.4	59.4	58.4
	- SMS-II	"	86.1	86.5	82.5	83.2	82.9
9.	<b>CONVERTER UTILISATION</b> (Against Available Hrs.)						
	- SMS-I	%	33.7	42.0	25.7	9.2	39.3
	- SMS-II	"	80.7	78.9	78.2	77.5	79.5
10.	<b>TAP TO TAP TIME</b>						
	<b>(a) On Available Hrs.</b>						
	- SMS-I	Mts	352	281	456	1098	343
	- SMS-II	"	76	73	72	80	83
	<b>(b) On Working Hrs.</b>						
	- SMS-I	Mts	119	118	117	101	135
	- SMS-II	"	61	57	56	62	66



# भारत SUMMARY

C.C.S.

Table No. 8.1

SI.No.	PARTICULARS	Unit	2019-20	2018-19	2017-18	2016-17	2015-16
11	HEATS CAST OK SLAB	No. Tonne	11970 3267797	12471 3393576	12007 3275703	10925 2977200	10529 2844031
12	YIELD OF CAST SLAB( FROM LIQUID STEEL CONSUMED)	%	98.5	98.6	98.6	98.7	98.6
13	CASTER AVAILABILITY AGAINST CALENDAR HOURS	%	94.7	91.5	90.3	91.6	92.2
14	CASTER UTILISATION AGAINST AVAILABLE HRS	%	84.7	86.1	79.4	68.6	68.7
15	CONSUMPTION OF MATERIALS/T OF CAST SLAB						
	Lime	Kg	2.411	2.423	2.564	3.085	2.950
	Alumina	"	0.041	0.130	0.163	0.134	0.098
	Aluminium	"	0.739	0.703	0.589	0.629	0.600
	Ferro-Manganese	"	2.442	2.085	1.572	1.784	1.971
	Ferro-Silicon	"	0.294	0.260	0.237	0.326	0.274
	Ferro-Phosphorus	"	0.0000	0.0000	0.0002	0.0008	0.0005
	Ferro-Niobium	"	0.0003	0.0002	0.0002	0.0005	0.0003
	Ferro-Titanium	"	0.007	0.007	0.015	0.026	0.025
	Ferro-Boron	"	0.011	0.012	0.011	0.014	0.009
	Pet.Coke	"	0.032	0.035	0.068	0.076	0.065
	Ca - Si Wire	"	0.637	0.462	0.438	0.356	0.416
	Ca - Fe Wire	"	0.135	0.113	0.080	0.088	0.041
	Casting Powder	"	0.697	0.628	0.594	0.585	0.601
	Graphite Electrode	"	0.162	0.150	0.130	0.108	0.124
	Pouring Refractory	"	0.286	0.274	0.289	0.277	0.243

## निर्मित हीट HEATS MADE

Table No. 8.2 (Contd.)

S.M.S. PERIOD	Unit - No.											
	TOTAL HEATS			REJECTED			SEMI-KILLED			KILLED		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	344	1028	1372	0	0	0	344	0	344	0	1028	1028
MAY	444	942	1386	2	0	2	444	0	444	0	942	942
JUN	383	1008	1391	2	0	2	381	0	381	2	1008	1010
<b>1ST QTR.</b>	<b>1171</b>	<b>2978</b>	<b>4149</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>1169</b>	<b>0</b>	<b>1169</b>	<b>2</b>	<b>2978</b>	<b>2980</b>
JULY	339	1065	1404	1	0	1	296	0	296	43	1065	1108
AUG	410	853	1263	0	0	0	365	0	365	45	853	898
SEP	153	950	1103	0	0	0	126	0	126	27	950	977
<b>2ND QTR.</b>	<b>902</b>	<b>2868</b>	<b>3770</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>787</b>	<b>0</b>	<b>787</b>	<b>115</b>	<b>2868</b>	<b>2983</b>
OCT	177	972	1149	3	0	3	168	0	168	9	972	981
NOV	60	986	1046	0	0	0	60	0	60	0	986	986
DEC	47	1042	1089	2	0	2	47	0	47	0	1042	1042
<b>3RD QTR.</b>	<b>284</b>	<b>3000</b>	<b>3284</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>275</b>	<b>0</b>	<b>275</b>	<b>9</b>	<b>3000</b>	<b>3009</b>
JAN'20	234	1064	1298	2	0	2	234	0	234	0	1064	1064
FEB	289	1031	1320	4	0	4	289	0	289	0	1031	1031
MAR	322	1031	1353	3	0	3	322	0	322	0	1031	1031
<b>4TH QTR.</b>	<b>845</b>	<b>3126</b>	<b>3971</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>845</b>	<b>0</b>	<b>845</b>	<b>0</b>	<b>3126</b>	<b>3126</b>
<b>2019-20</b>	<b>3202</b>	<b>11972</b>	<b>15174</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>3076</b>	<b>0</b>	<b>3076</b>	<b>126</b>	<b>11972</b>	<b>12098</b>
2018-19	3545	12471	16016	19	0	19	3545	0	3545	0	12471	12471
2017-18	3422	12008	15430	24	0	24	3422	0	3422	0	12008	12008
2016-17	1422	10927	12349	2	0	2	1422	0	1422	0	10927	10927
2015-16	4486	10529	15015	16	0	16	4486	0	4486	0	10529	10529

कन्वर्टरवाइर हीटों का विवरण  
CONVERTERWISE HEATS

Table No. 8.2

S.M.S.	Unit-No.									
	S M S - I						S M S - II			
	CONVERTER NO.						CONVERTER NO.			
PERIOD	A	B	C	D	E	TOTAL	I	II	TOTAL	
APR'19	0	191	153	0	0	344	492	536	1028	
MAY	0	323	103	0	18	444	287	655	942	
JUN	0	279	104	0	0	383	513	495	1008	
<b>1ST QTR.</b>	<b>0</b>	<b>793</b>	<b>360</b>	<b>0</b>	<b>18</b>	<b>1171</b>	<b>1292</b>	<b>1686</b>	<b>2978</b>	
JULY	0	27	312	0	0	339	530	535	1065	
AUG	0	346	64	0	0	410	295	558	853	
SEP	0	153	0	0	0	153	556	394	950	
<b>2ND QTR.</b>	<b>0</b>	<b>526</b>	<b>376</b>	<b>0</b>	<b>0</b>	<b>902</b>	<b>1381</b>	<b>1487</b>	<b>2868</b>	
OCT	0	168	0	0	9	177	560	412	972	
NOV	0	56	0	0	4	60	500	486	986	
DEC	0	17	0	0	30	47	516	526	1042	
<b>3RD QTR.</b>	<b>0</b>	<b>241</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>284</b>	<b>1576</b>	<b>1424</b>	<b>3000</b>	
JAN'20	0	177	0	0	57	234	542	522	1064	
FEB	0	234	0	0	55	289	518	513	1031	
MAR	0	290	0	0	32	322	522	509	1031	
<b>4TH QTR.</b>	<b>0</b>	<b>701</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>845</b>	<b>1582</b>	<b>1544</b>	<b>3126</b>	
<b>2019-20</b>	<b>0</b>	<b>2261</b>	<b>736</b>	<b>0</b>	<b>205</b>	<b>3202</b>	<b>5831</b>	<b>6141</b>	<b>11972</b>	
2018-19	12	1756	1777	0	0	3545	6394	6077	12471	
2017-18	657	1166	885	714	0	3422	6264	5744	12008	
2016-17	239	590	191	402	0	1422	5747	5180	10927	
2015-16	773	113	1308	1488	804	4486	5418	5111	10529	

## इन्घात पिंड का उत्पादन INGOT STEEL PRODUCTION

S.M.S.-I

Unit - Tonnes

Table No. 8.3

PERIOD	Gross Production	Losses at pit side				Ingots Made	Ingots rejected at pit side	Net Ingot Steel Production	(% Yield of Ingot Steel from Gross Steel
		Butts	Extra Metal	Skull & Spillage	Total				
APR'19	44143.5	259.0	121.5	90.0	470.5	43673.0	23.0	43650.0	98.9
MAY	55850.0	269.0	262.0	103.5	634.5	55215.5	355.5	54860.0	98.2
JUN	47216.5	312.0	182.5	133.0	627.5	46589.0	213.0	46376.0	98.2
<b>1ST QTR.</b>	<b>147210.0</b>	<b>840.0</b>	<b>566.0</b>	<b>326.5</b>	<b>1732.5</b>	<b>145477.5</b>	<b>591.5</b>	<b>144886.0</b>	<b>98.4</b>
JULY	43251.5	172.0	235.5	128.0	535.5	42716.0	200.0	42516.0	98.3
AUG	53370.0	156.0	256.0	327.0	739.0	52631.0	61.0	52570.0	98.5
SEP	19713.5	78.0	51.0	43.5	172.5	19541.0	0.0	19541.0	99.1
<b>2ND QTR.</b>	<b>116335.0</b>	<b>406.0</b>	<b>542.5</b>	<b>498.5</b>	<b>1447.0</b>	<b>114888.0</b>	<b>261.0</b>	<b>114627.0</b>	<b>98.5</b>
OCT	22714.5	114.0	32.0	124.5	270.5	22444.0	317.0	22127.0	97.4
NOV	7378.0	41.0	30.0	15.0	86.0	7292.0	0.0	7292.0	98.8
DEC	5818.0	40.0	27.5	214.5	282.0	5536.0	45.0	5491.0	94.4
<b>3RD QTR.</b>	<b>35910.5</b>	<b>195.0</b>	<b>89.5</b>	<b>354.0</b>	<b>638.5</b>	<b>35272.0</b>	<b>362.0</b>	<b>34910.0</b>	<b>97.2</b>
JAN'20	29753.0	179.0	80.5	179.0	438.5	29314.5	239.5	29075.0	97.7
FEB	36482.0	168.0	101.5	297.5	567.0	35915.0	281.0	35634.0	97.7
MAR	41137.0	166.0	93.0	182.0	441.0	40696.0	251.0	40445.0	98.3
<b>4TH QTR.</b>	<b>107372.0</b>	<b>513.0</b>	<b>275.0</b>	<b>658.5</b>	<b>1446.5</b>	<b>105925.5</b>	<b>771.5</b>	<b>105154.0</b>	<b>97.9</b>
<b>2019-20</b>	<b>406827.5</b>	<b>1954.0</b>	<b>1473.0</b>	<b>1837.5</b>	<b>5264.5</b>	<b>401563.0</b>	<b>1986.0</b>	<b>399577.0</b>	<b>98.2</b>
2018-19	447867.0	3175.5	1025.0	1598.0	5798.5	442068.5	2293.5	439775.0	98.2
2017-18	428502.5	4236.0	2187.5	1176.5	7600.0	420902.5	3017.5	417885.0	97.5
2016-17	180018.0	1470.0	1194.5	257.5	2922.0	177096.0	563.0	176533.0	98.1
2015-16	560239.5	6347.0	2588.0	1523.0	10458.0	549781.5	1737.5	548044.0	97.8

## कास्ट स्लैब का उत्पादन CAST SLAB PRODUCTION

Table No. 8.4

C.C.S. PERIOD	Unit - Tonnes									
	Heat Cast (Nos.)	Total Liquid Steel Consumed	Spillage	Tundish Steel	Skull	Heat Cast	Crop End	Jam & Scale	Total Slab Cast	% Yield from Liquid Steel to Cast Slab
APR'19	1028	287657	1548	286109	1492	284617	515	411	283691	98.6
MAY	942	261592	1404	260188	1433	258755	500	378	257877	98.6
JUN	1006	275423	1508	273915	1508	272407	536	404	271467	98.6
<b>1ST QTR.</b>	<b>2976</b>	<b>824672</b>	<b>4460</b>	<b>820212</b>	<b>4433</b>	<b>815779</b>	<b>1551</b>	<b>1193</b>	<b>813035</b>	<b>98.6</b>
JULY	1065	294762	1605	293157	1882	291275	564	425	290286	98.5
AUG	853	234060	1295	232765	1694	231071	510	356	230205	98.4
SEP	950	262879	1421	261458	1575	259883	497	378	259008	98.5
<b>2ND QTR.</b>	<b>2868</b>	<b>791701</b>	<b>4321</b>	<b>787380</b>	<b>5151</b>	<b>782229</b>	<b>1571</b>	<b>1159</b>	<b>779499</b>	<b>98.5</b>
OCT	972	267782	1466	266316	1609	264707	513	387	263807	98.5
NOV	986	270603	1483	269120	1553	267567	529	392	266646	98.5
DEC	1042	289749	1570	288179	1644	286535	549	418	285568	98.6
<b>3RD QTR.</b>	<b>3000</b>	<b>828134</b>	<b>4519</b>	<b>823615</b>	<b>4806</b>	<b>818809</b>	<b>1591</b>	<b>1197</b>	<b>816021</b>	<b>98.5</b>
JAN'20	1064	296552	1602	294950	1698	293252	553	426	292273	98.6
FEB	1031	288314	1554	286760	1713	285047	524	414	284109	98.5
MAR	1031	286998	1552	285446	1611	283835	563	412	282860	98.6
<b>4TH QTR.</b>	<b>3126</b>	<b>871864</b>	<b>4708</b>	<b>867156</b>	<b>5022</b>	<b>862134</b>	<b>1640</b>	<b>1252</b>	<b>859242</b>	<b>98.6</b>
<b>2019-20</b>	<b>11970</b>	<b>3316371</b>	<b>18008</b>	<b>3298363</b>	<b>19412</b>	<b>3278951</b>	<b>6353</b>	<b>4801</b>	<b>3267797</b>	<b>98.5</b>
2018-19	12471	3441382	18894	3422488	17409	3405079	6522	4981	3393576	98.6
2017-18	12007	3321722	18046	3303676	16480	3287196	6752	4741	3275703	98.6
2016-17	10925	3017480	17389	3000091	12394	2987697	6258	4239	2977200	98.7
2015-16	10529	2883966	15735	2868231	13571	2854660	6499	4130	2844031	98.6

कूड इस्पात का उत्पादन एवं लब्धि  
CRUDE STEEL PRODUCTION & YIELD

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.5

PERIOD	CRUDE STEEL			(% Yield of Crude Steel from Metallic Charge)			(% Yield of Crude Steel from Metallic Charge (HM+Scrap+Fe-Alloy))
	INGOT STEEL	CAST SLAB	TOTAL	SMS-I	SMS-II	Total	
APR'19	43650	283691	327341	87.77	88.87	88.72	88.01
MAY	54860	257877	312737	87.77	88.88	88.68	87.95
JUN	46376	271467	317843	87.75	88.88	88.72	88.04
<b>1ST QTR.</b>	<b>144886</b>	<b>813035</b>	<b>957921</b>	<b>87.76</b>	<b>88.88</b>	<b>88.70</b>	<b>88.00</b>
JULY	42516	290286	332802	87.75	88.90	88.75	88.05
AUG	52570	230205	282775	87.74	88.93	88.71	87.96
SEP	19541	259008	278549	87.77	88.96	88.88	88.19
<b>2ND QTR.</b>	<b>114627</b>	<b>779499</b>	<b>894126</b>	<b>87.75</b>	<b>88.93</b>	<b>88.78</b>	<b>88.07</b>
OCT	22127	263807	285934	87.74	88.87	88.79	87.96
NOV	7292	266646	273938	87.76	88.92	88.89	88.17
DEC	5491	285568	291059	87.73	88.90	88.88	88.16
<b>3RD QTR.</b>	<b>34910</b>	<b>816021</b>	<b>850931</b>	<b>87.74</b>	<b>88.90</b>	<b>88.85</b>	<b>88.09</b>
JAN'20	29075	292273	321348	87.79	88.83	88.74	88.03
FEB	35634	284109	319743	87.73	88.85	88.72	87.97
MAR	40445	282860	323305	87.75	88.86	88.72	87.96
<b>4TH QTR.</b>	<b>105154</b>	<b>859242</b>	<b>964396</b>	<b>87.75</b>	<b>88.85</b>	<b>88.73</b>	<b>87.99</b>
<b>2019-20</b>	<b>399577</b>	<b>3267797</b>	<b>3667374</b>	<b>87.75</b>	<b>88.89</b>	<b>88.76</b>	<b>88.03</b>
2018-19	439775	3393576	3833351	88.92	88.89	88.90	88.22
2017-18	417885	3275703	3693588	88.86	88.87	88.87	88.22
2016-17	176533	2977200	3153733	89.16	88.80	88.82	88.16
2015-16	548044	2844031	3392075	89.24	88.82	88.89	88.19

CONVERTERWISE GROSS PRODUCTION ( 160 )

कन्वर्टरवार अकल उत्पादन  
CONVERTERWISE GROSS PRODUCTION

S.M.S.	Unit - Tonne									Table No. 8.6
	SMS - I						SMS - II			
	PERIOD	CONVERTER NO.					TOTAL	CONVERTER NO.		
A		B	C	D	E	I		II	TOTAL	
APR'19	0.0	24509.9	19633.6	0.0	0.0	44143.5	137672.4	149984.6	287657	
MAY	0.0	40629.6	12956.2	0.0	2264.2	55850.0	79699.5	181892.5	261592	
JUN	0.0	34395.3	12821.2	0.0	0.0	47216.5	140170.6	135252.4	275423	
<b>1ST QTR.</b>	<b>0.0</b>	<b>99534.8</b>	<b>45411.0</b>	<b>0.0</b>	<b>2264.2</b>	<b>147210.0</b>	<b>357542.5</b>	<b>467129.5</b>	<b>824672</b>	
JULY	0.0	3444.8	39806.7	0.0	0.0	43251.5	146689.1	148072.9	294762	
AUG	0.0	45039	8331.0	0.0	0.0	53370.0	80946.9	153113.1	234060	
SEP	0.0	19713.5	0.0	0.0	0.0	19713.5	153853.4	109025.6	262879	
<b>2ND QTR.</b>	<b>0.0</b>	<b>68197.3</b>	<b>48137.7</b>	<b>0.0</b>	<b>0.0</b>	<b>116335.0</b>	<b>381489.4</b>	<b>410211.6</b>	<b>791701</b>	
OCT	0.0	21559.5	0.0	0.0	1155.0	22714.5	154277.7	113504.3	267782	
NOV	0.0	6886	0.0	0.0	492.0	7378.0	137222.6	133380.4	270603	
DEC	0.0	2104.4	0.0	0.0	3713.6	5818.0	143484.1	146264.9	289749	
<b>3RD QTR.</b>	<b>0.0</b>	<b>30549.9</b>	<b>0.0</b>	<b>0.0</b>	<b>5360.6</b>	<b>35910.5</b>	<b>434984.5</b>	<b>393149.5</b>	<b>828134</b>	
JAN'20	0.0	22505.5	0.0	0.0	7247.5	29753.0	151063.1	145488.9	296552	
FEB	0.0	29539	0.0	0.0	6943.0	36482.0	144856.1	143457.9	288314	
MAR	0.0	37049.0	0.0	0.0	4088.0	41137.0	145308.4	141689.6	286998	
<b>4TH QTR.</b>	<b>0.0</b>	<b>89093.5</b>	<b>0.0</b>	<b>0.0</b>	<b>18278.5</b>	<b>107372.0</b>	<b>441227.7</b>	<b>430636.3</b>	<b>871864</b>	
<b>2019-20</b>	<b>0.0</b>	<b>287375.5</b>	<b>93548.7</b>	<b>0.0</b>	<b>25903.3</b>	<b>406827.5</b>	<b>1615244.0</b>	<b>1701127.0</b>	<b>3316371</b>	
2018-19	1524.9	221255.6	225086.5	0.0	0.0	447867.0	1765309.2	1676072.8	3441382	
2017-18	81911.1	146707.6	111042.4	88841.4	0.0	428502.5	1733156.8	1588565.2	3321722	
2016-17	30150.1	74727.6	24219.8	50920.5	0.0	180018.0	1587279.9	1430200.1	3017480	
2015-16	96550.3	14271.0	163242.4	185810.6	100365.2	560239.5	1484385.5	1399580.5	2883966	

लाइनिंग लाइफ  
LINING LIFE

S.M.S.

Table No. 8.7

Campaign No.	Campaign		Heats Made (Nos.)	Gross Prodn. (T)	Campaign No.	Campaign		Heats Made (Nos.)	Gross Prodn. (T)	Campaign No.	Campaign		Heats Made (Nos.)	Gross Prodn. (T)
	Started	Finished				Started	Finished				Started	Finished		
<b>SMS-I</b>														
<b>Converter A</b>					<b>Converter B</b>									
239	13.06.17	04.06.18	669	83436	257	23.02.19	06.07.19	1031	130557	132	28.10.18	02.05.19	3350	927723.1
					258	28.07.19	16.12.19	767	98747.2	133	16.05.19	20.08.19	1581	435350.1
					259	01.01.2020	contd.	701	89093.5	134	30.08.19	contd.	3733	1035279.0
<b>SMS II</b>														
					<b>Converter 1</b>									
<b>Converter C</b>					<b>Converter E</b>					<b>Converter 2</b>				
298	30.12.18	24.05.19	958	122450.4	1	22.05.2019	contd.	205	25903.3	133	08.01.19	26.9.19	4701	1299192.1
299	17.06.19	12.09.19	480	60958.9						134	08.10.19	contd.	2968	823785.9



## शामग्री की खपत CONSUMPTION OF MATERIALS

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	METALLIC CHARGES														
	Hot Metal			Steel Scrap			Iron Scrap			Pig Iron			Total Scrap		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	45450	288366	333816	4284	28490	32774	0	2100	2100	0	278	278	4284	30868	35152
MAY	58447	262066	320513	4060	26267	30327	0	1663	1663	0	156	156	4060	28086	32146
JUN	49790	275760	325550	3060	28223	31283	0	1200	1200	0	236	236	3060	29659	32719
<b>1ST QTR.</b>	<b>153687</b>	<b>826192</b>	<b>979879</b>	<b>11404</b>	<b>82980</b>	<b>94384</b>	<b>0</b>	<b>4963</b>	<b>4963</b>	<b>0</b>	<b>670</b>	<b>670</b>	<b>11404</b>	<b>88613</b>	<b>100017</b>
JULY	44566	295740	340306	3885	29658	33543	0	1050	1050	0	86	86	3885	30794	34679
AUG	55525	234767	290292	4392	24095	28487	0	0	0	0	0	0	4392	24095	28487
SEP	21085	264261	285346	1180	26657	27837	0	90	90	0	142	142	1180	26889	28069
<b>2ND QTR.</b>	<b>121176</b>	<b>794768</b>	<b>915944</b>	<b>9457</b>	<b>80410</b>	<b>89867</b>	<b>0</b>	<b>1140</b>	<b>1140</b>	<b>0</b>	<b>228</b>	<b>228</b>	<b>9457</b>	<b>81778</b>	<b>91235</b>
OCT	24203	269441	293644	1016	27144	28160	0	100	100	0	146	146	1016	27390	28406
NOV	8025	273245	281270	284	26554	26838	0	56	56	0	0	0	284	26610	26894
DEC	6157	291853	298010	102	27858	27960	0	1200	1200	0	306	306	102	29364	29466
<b>3RD QTR.</b>	<b>38385</b>	<b>834539</b>	<b>872924</b>	<b>1402</b>	<b>81556</b>	<b>82958</b>	<b>0</b>	<b>1356</b>	<b>1356</b>	<b>0</b>	<b>452</b>	<b>452</b>	<b>1402</b>	<b>83364</b>	<b>84766</b>
JAN'20	31360	297482	328842	1758	29845	31603	0	1630	1630	0	54	54	1758	31529	33287
FEB	38624	288227	326851	1996	29910	31906	0	1632	1632	0	0	0	1996	31542	33538
MAR	43725	286751	330476	2366	30630	32996	0	935	935	0	0	0	2366	31565	33931
<b>4TH QTR.</b>	<b>113709</b>	<b>872460</b>	<b>986169</b>	<b>6120</b>	<b>90385</b>	<b>96505</b>	<b>0</b>	<b>4197</b>	<b>4197</b>	<b>0</b>	<b>54</b>	<b>54</b>	<b>6120</b>	<b>94636</b>	<b>100756</b>
<b>2019-20</b>	<b>426957</b>	<b>3327959</b>	<b>3754916</b>	<b>28383</b>	<b>335331</b>	<b>363714</b>	<b>0</b>	<b>11656</b>	<b>11656</b>	<b>0</b>	<b>1404</b>	<b>1404</b>	<b>28383</b>	<b>348391</b>	<b>376774</b>
2018-19	463289	3452175	3915464	31265	339422	370687	0	22677	22677	0	3300	3300	31265	365399	396664
2017-18	448932	3331318	3780250	21363	321803	343166	0	29951	29951	0	2701	2701	21363	354455	375818
2016-17	191387	3030700	3222087	6611	299060	305671	0	17623	17623	0	5438	5438	6611	322121	328732
2015-16	574790	2881817	3456607	39338	292657	331995	0	26569	26569	0	880	880	39338	320106	359444

# भामखी की खपत CONSUMPTION OF MATERIALS

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	FLUX												
	Lime Stone			Lime				Cal. Dolo.			Dolo Lump/Chips		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	0	0	0	2054	11576	685	14315	1077	9930	11007	0	5957	5957
MAY	0	0	0	2803	11191	575	14569	1304	8973	10277	24	4805	4829
JUN	0	0	0	2341	11972	625	14938	1070	10591	11661	0	4473	4473
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7198</b>	<b>34739</b>	<b>1885</b>	<b>43822</b>	<b>3451</b>	<b>29494</b>	<b>32945</b>	<b>24</b>	<b>15235</b>	<b>15259</b>
JULY	0	0	0	2130	12369	769	15268	915	9836	10751	0	4934	4934
AUG	0	0	0	2632	9242	610	12484	1130	7983	9113	0	4143	4143
SEP	0	0	0	991	10538	687	12216	315	8035	8350	0	4631	4631
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5753</b>	<b>32149</b>	<b>2066</b>	<b>39968</b>	<b>2360</b>	<b>25854</b>	<b>28214</b>	<b>0</b>	<b>13708</b>	<b>13708</b>
OCT	0	0	0	1127	10551	487	12165	356	7749	8105	0	4604	4604
NOV	0	0	0	356	10532	613	11501	114	7765	7879	0	4754	4754
DEC	0	0	0	318.5	12295	455	13069	60.8	8147	8208	52	4852	4904
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1801.5</b>	<b>33378</b>	<b>1555</b>	<b>36735</b>	<b>530.8</b>	<b>23661</b>	<b>24192</b>	<b>52</b>	<b>14210</b>	<b>14262</b>
JAN'20	0	0	0	1711	12753	828	15292	618	9498	10116	75.5	5880	5956
FEB	0	0	0	2007	12264	762	15033	947	8895	9842	28.9	5506	5535
MAR	0	0	0	2142	12884	783	15809	993	9953	10946	34.6	5645	5680
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5860</b>	<b>37901</b>	<b>2373</b>	<b>46134</b>	<b>2558</b>	<b>28346</b>	<b>30904</b>	<b>139</b>	<b>17031</b>	<b>17170</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20613</b>	<b>138167</b>	<b>7879</b>	<b>166659</b>	<b>8900</b>	<b>107355</b>	<b>116255</b>	<b>215</b>	<b>60184</b>	<b>60399</b>
2018-19	0	7	7	19088	147470	8221	174779	16802	110972	127774	0	79484	79484
2017-18	0	3944	3944	17679	144736	8400	170815	16210	102053	118263	0	62247	62247
2016-17	0	5378	5378	7516	130709	9185	147410	6922	97583	104505	0	52766 *	52766
2015-16	0	494	494	34551	122481	8390	165422	11991	95503	107494	2828	53249	56077

\* Includes 10300 T of Silica Dolomite

Page No. 163

# भामखी की खपत CONSUMPTION OF MATERIALS

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	FINISHING AND ALLOYING MATERIALS														
	Fe-Mn(H/C)				Fe-Mn(M/C)				Fe-Si				Si-Mn		
	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	138.0	698.0	735.0	1571.0	0.0	59.0	55.0	114.0	14.1	30.0	98.0	142.1	360.0	749.0	1109.0
MAY	160.0	588.0	678.0	1426.0	0.0	67.5	61.0	128.5	17.9	10.0	97.0	124.9	458.9	781.0	1239.9
JUN	165.0	649.0	563.0	1377.0	0.0	80.0	63.0	143.0	12.5	13.0	81.0	106.5	360.5	717.0	1077.5
<b>1ST QTR.</b>	<b>463.0</b>	<b>1935.0</b>	<b>1976.0</b>	<b>4374.0</b>	<b>0.0</b>	<b>206.5</b>	<b>179.0</b>	<b>385.5</b>	<b>44.5</b>	<b>53.0</b>	<b>276.0</b>	<b>373.5</b>	<b>1179.4</b>	<b>2247.0</b>	<b>3426.4</b>
JULY	165.0	678.0	678.0	1521.0	0.0	46.5	47.0	93.5	11.0	5.0	77.0	93.0	332.0	915.0	1247.0
AUG	130.0	811.0	305.0	1246.0	0.0	24.0	57.0	81.0	14.5	27.0	70.0	111.5	469.5	764.0	1233.5
SEP	73.5	562.0	473.0	1108.5	0.0	47.0	34.0	81.0	6.5	28.0	72.0	106.5	161.3	955.0	1116.3
<b>2ND QTR.</b>	<b>368.5</b>	<b>2051.0</b>	<b>1456.0</b>	<b>3875.5</b>	<b>0.0</b>	<b>117.5</b>	<b>138.0</b>	<b>255.5</b>	<b>32.0</b>	<b>60.0</b>	<b>219.0</b>	<b>311.0</b>	<b>962.8</b>	<b>2634.0</b>	<b>3596.8</b>
OCT	76.8	869.0	561.0	1506.8	0.0	49.0	62.0	111.0	10.0	40.0	72.0	122.0	212.0	1016.0	1228.0
NOV	20.0	828.0	536.0	1384.0	0.0	5.0	43.0	48.0	9.5	28.0	69.0	106.5	90.5	879.0	969.5
DEC	9.3	969.0	699.0	1677.3	0.0	26.0	52.0	78.0	4.0	50.0	81.0	135.0	60.0	717.0	777.0
<b>3RD QTR.</b>	<b>106.1</b>	<b>2666.0</b>	<b>1796.0</b>	<b>4568.1</b>	<b>0.0</b>	<b>80.0</b>	<b>157.0</b>	<b>237.0</b>	<b>23.5</b>	<b>118.0</b>	<b>222.0</b>	<b>363.5</b>	<b>362.5</b>	<b>2612.0</b>	<b>2974.5</b>
JAN'20	71.3	730.0	648.0	1449.3	0.0	49.0	66.0	115.0	14.0	10.0	90.0	114.0	273.0	944.0	1217.0
FEB	72.6	748.0	674.0	1494.6	0.0	55.0	144.0	199.0	14.7	19.0	69.0	102.7	370.0	904.0	1274.0
MAR	62.8	775.0	650.0	1487.8	0.0	30.0	95.0	125.0	16.3	14.0	84.0	114.3	460.9	943.0	1403.9
<b>4TH QTR.</b>	<b>206.7</b>	<b>2253</b>	<b>1972</b>	<b>4431.7</b>	<b>0.0</b>	<b>134</b>	<b>305</b>	<b>439.0</b>	<b>45.0</b>	<b>43.0</b>	<b>243.0</b>	<b>331.0</b>	<b>1103.9</b>	<b>2791</b>	<b>3894.9</b>
<b>2019-20</b>	<b>1144.3</b>	<b>8905.0</b>	<b>7200.0</b>	<b>17249.3</b>	<b>0.0</b>	<b>538.0</b>	<b>779.0</b>	<b>1317.0</b>	<b>145.0</b>	<b>274.0</b>	<b>960.0</b>	<b>1379.0</b>	<b>3608.6</b>	<b>10284.0</b>	<b>13892.6</b>
2018-19	1172.0	7627.0	5929.0	14728.0	0.0	1029.6	1147.0	2176.6	194.8	354.5	882.0	1431.3	3744.0	9265.2	13009.2
2017-18	497.0	7489.5	4275.0	12261.5	0.0	745.0	875.0	1620.0	112.0	338.4	775.0	1225.4	4257.7	10878.1	15135.8
2016-17	479.7	7103.0	4210.0	11792.7	0.0	662.0	1101.0	1763.0	101.1	293.1	970.0	1364.2	1483.5	9359.8	10843.3
2015-16	1794.7	7689.3	4880.0	14364.0	0.0	578.6	725.0	1303.6	175.3	219.6	779.0	1173.9	4301.4	8618.2	12919.6

# भामखी की खपत CONSUMPTION OF MATERIALS

**S.M.S.+C.C.S.**

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	FINISHING AND ALLOYING MATERIALS														
	Fe-Nb				Fe-P				Fe-Cr				Fe-V		
	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-II	CCS	TOTAL
APR'19	0.00	2.72	0.10	2.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.16	0.00	5.16
MAY	0.00	4.37	0.00	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.39	0.00	8.39
JUN	0.00	4.77	0.04	4.81	0.00	10.50	0.00	10.50	0.00	15.70	0.00	15.70	9.37	0.00	9.37
<b>1ST QTR.</b>	<b>0.00</b>	<b>11.86</b>	<b>0.14</b>	<b>12.00</b>	<b>0.00</b>	<b>10.50</b>	<b>0.00</b>	<b>10.50</b>	<b>0.00</b>	<b>15.70</b>	<b>0.00</b>	<b>15.70</b>	<b>22.92</b>	<b>0.00</b>	<b>22.92</b>
JULY	0.00	4.06	0.03	4.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.69	0.00	9.69
AUG	0.00	1.52	0.00	1.52	0.00	8.00	0.00	8.00	0.00	11.40	0.00	11.40	3.60	0.00	3.60
SEP	0.00	2.07	0.00	2.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	0.00	4.56
<b>2ND QTR.</b>	<b>0.00</b>	<b>7.65</b>	<b>0.03</b>	<b>7.68</b>	<b>0.00</b>	<b>8.00</b>	<b>0.00</b>	<b>8.00</b>	<b>0.00</b>	<b>11.40</b>	<b>0.00</b>	<b>11.40</b>	<b>17.85</b>	<b>0.00</b>	<b>17.85</b>
OCT	0.00	3.57	0.00	3.57	0.00	21.50	0.00	21.50	0.00	29.30	0.00	29.30	7.06	0.00	7.06
NOV	0.00	1.05	0.00	1.05	0.00	11.50	0.00	11.50	0.00	17.10	0.00	17.10	2.37	0.00	2.37
DEC	0.00	1.59	0.00	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	3.45
<b>3RD QTR.</b>	<b>0.00</b>	<b>6.21</b>	<b>0.00</b>	<b>6.21</b>	<b>0.00</b>	<b>33.00</b>	<b>0.00</b>	<b>33.00</b>	<b>0.00</b>	<b>46.40</b>	<b>0.00</b>	<b>46.40</b>	<b>12.88</b>	<b>0.00</b>	<b>12.88</b>
JAN'20	0.00	3.91	0.02	3.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.65	0.00	8.65
FEB	0.00	3.91	0.68	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.34	0.00	8.34
MAR	0.00	3.23	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.71	0.00	7.71
<b>4TH QTR.</b>	<b>0.00</b>	<b>11.05</b>	<b>0.70</b>	<b>11.75</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>24.70</b>	<b>0.00</b>	<b>24.70</b>
<b>2019-20</b>	<b>0.00</b>	<b>36.77</b>	<b>0.87</b>	<b>37.64</b>	<b>0.00</b>	<b>51.50</b>	<b>0.00</b>	<b>51.50</b>	<b>0.00</b>	<b>73.50</b>	<b>0.00</b>	<b>73.50</b>	<b>78.35</b>	<b>0.00</b>	<b>78.35</b>
2018-19	0.00	50.82	0.68	51.50	0.00	69.50	0.00	69.50	0.00	118.06	0.00	118.06	91.26	0.00	91.26
2017-18	0.00	51.43	0.80	52.23	0.00	94.25	0.50	94.75	0.00	147.90	0.00	147.90	69.89	0.00	69.89
2016-17	0.00	54.41	1.59	56.00	0.00	131.40	2.25	133.65	0.00	216.95	0.25	217.20	44.55	0.00	44.55
2015-16	0.32	39.93	0.82	41.07	0.00	68.65	1.50	70.15	0.00	122.60	0.00	122.60	38.76	0.00	38.76

# भामखी की खपत CONSUMPTION OF MATERIALS

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	FINISHING AND ALLOYING MATERIALS												
	Fe-B	Fe-Ti	Copper				Nickel			Aluminium			
	CCS	CCS	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL
APR'19	3.88	0.41	0.00	22.50	0.00	22.50	0.00	0.00	0.00	3.50	500	192.5	696.0
MAY	2.30	2.80	0.00	14.17	0.00	14.17	0.00	12.54	12.54	4.50	457	196	657.5
JUN	5.00	2.74	0.00	15.50	0.00	15.50	0.00	10.18	10.18	4.20	498	208	710.2
<b>1ST QTR.</b>	<b>11.18</b>	<b>5.95</b>	<b>0.00</b>	<b>52.17</b>	<b>0.00</b>	<b>52.17</b>	<b>0.00</b>	<b>22.72</b>	<b>22.72</b>	<b>12.20</b>	<b>1455</b>	<b>596.5</b>	<b>2063.7</b>
JULY	4.60	1.50	0.00	19.20	0.00	19.20	0.00	0.00	0.00	20.50	502	212	734.5
AUG	2.10	0.00	0.00	21.95	0.00	21.95	0.00	3.87	3.87	22.82	415	201	638.8
SEP	1.50	3.00	0.00	6.00	0.00	6.00	0.00	15.50	15.50	8.79	439	212	659.8
<b>2ND QTR.</b>	<b>8.20</b>	<b>4.50</b>	<b>0.00</b>	<b>47.15</b>	<b>0.00</b>	<b>47.15</b>	<b>0.00</b>	<b>19.37</b>	<b>19.37</b>	<b>52.11</b>	<b>1356</b>	<b>625</b>	<b>2033.1</b>
OCT	2.70	1.00	0.00	23.83	0.00	23.83	0.00	37.16	37.16	5.94	465	205	675.9
NOV	2.10	0.50	0.00	18.48	0.00	18.48	0.00	6.75	6.75	0.66	441	211	652.7
DEC	1.10	2.00	0.00	2.25	0.00	2.25	0.00	0.00	0.00	0.18	487	190	677.4
<b>3RD QTR.</b>	<b>5.90</b>	<b>3.50</b>	<b>0.00</b>	<b>44.56</b>	<b>0.00</b>	<b>44.56</b>	<b>0.00</b>	<b>43.91</b>	<b>43.91</b>	<b>6.78</b>	<b>1393</b>	<b>606</b>	<b>2006.0</b>
JAN'20	3.30	3.00	0.00	0.00	0.00	0.00	0.00	23.10	23.10	0.41	504	191	695.4
FEB	3.20	5.10	0.00	12.50	0.00	12.50	0.00	14.70	14.70	0.40	495	186	681.4
MAR	3.66	1.88	0.00	15.00	0.00	15.00	0.00	25.29	25.29	0.32	495	210	705.3
<b>4TH QTR.</b>	<b>10.16</b>	<b>9.98</b>	<b>0.00</b>	<b>27.50</b>	<b>0.00</b>	<b>27.50</b>	<b>0.00</b>	<b>63.09</b>	<b>63.09</b>	<b>1.13</b>	<b>1494</b>	<b>587</b>	<b>2082.1</b>
<b>2019-20</b>	<b>35.44</b>	<b>23.93</b>	<b>0.00</b>	<b>171.38</b>	<b>0.00</b>	<b>171.38</b>	<b>0.00</b>	<b>149.09</b>	<b>149.09</b>	<b>72.21</b>	<b>5698.0</b>	<b>2414.7</b>	<b>8184.9</b>
2018-19	40.25	24.04	0.00	249.43	0.00	249.43	0.00	94.15	94.15	19.85	5890.6	2384.0	8294.5
2017-18	35.30	47.50	0.00	199.70	0.00	199.70	0.00	82.65	82.65	1.96	5463.0	1928.0	7393.0
2016-17	40.50	78.00	0.00	190.60	0.00	190.60	0.00	122.83	122.83	2.40	5274.0	1873.0	7149.4
2015-16	26.50	70.00	0.00	138.79	0.00	138.79	0.00	64.97	64.97	9.44	5090.0	1706.0	6805.4

# भामखी की खपत CONSUMPTION OF MATERIALS

S.M.S.+C.C.S.

Unit - Tonne

Table No. 8.8 (Contd.)

PERIOD	OTHER MATERIALS												
	Iron Ore			Petro Coke				Coke			L.D. Slag		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	0.0	0.0	0.0	8.6	41.5	8.0	58.1	0.0	0.0	0.0	1361.0	4892.0	6253
MAY	36.0	0.0	36.0	12.2	42.3	4.0	58.5	0.0	0.0	0.0	1528.0	3345.0	4873
JUN	0.0	0.0	0.0	12.2	48.5	7.0	67.7	0.0	0.0	0.0	1230.0	3429.0	4659
<b>1ST QTR.</b>	<b>36.0</b>	<b>0.0</b>	<b>36.0</b>	<b>33.0</b>	<b>132.3</b>	<b>19.0</b>	<b>184.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4119.0</b>	<b>11666.0</b>	<b>15785</b>
JULY	0.0	0.0	0.0	11.4	53.0	12.0	76.4	0.0	0.0	0.0	1254.0	4031.0	5285
AUG	0.0	0.0	0.0	12.0	47.0	12.0	71.0	0.0	0.0	0.0	1556.0	3241.0	4797
SEP	0.0	0.0	0.0	1.8	47.5	9.0	58.3	0.0	0.0	0.0	353.0	3596.0	3949
<b>2ND QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.2</b>	<b>147.5</b>	<b>33.0</b>	<b>205.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3163.0</b>	<b>10868.0</b>	<b>14031</b>
OCT	0.0	0.0	0.0	2.3	52.0	13.0	67.3	0.0	0.0	0.0	450.0	4006.0	4456
NOV	0.0	0.0	0.0	1.6	45.5	7.0	54.1	0.0	0.0	0.0	190.0	2983.0	3173
DEC	98.0	0.0	98.0	9.0	58.0	15.0	82.0	0.0	0.0	0.0	41.0	5485.0	5526
<b>3RD QTR.</b>	<b>98.0</b>	<b>0.0</b>	<b>98.0</b>	<b>12.9</b>	<b>155.5</b>	<b>35.0</b>	<b>203.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>681.0</b>	<b>12474.0</b>	<b>13155</b>
JAN'20	159.0	0.0	159.0	5.2	45.5	9.0	59.7	0.0	0.0	0.0	432.0	3451.0	3883
FEB	157.6	0.0	157.6	6.0	44.5	4.0	54.5	0.0	0.0	0.0	523.0	4666.0	5189
MAR	64.0	0.0	64.0	4.0	44.5	3.0	51.5	0.0	0.0	0.0	745.0	4210.0	4955
<b>4TH QTR.</b>	<b>380.7</b>	<b>0.0</b>	<b>380.7</b>	<b>15.2</b>	<b>134.5</b>	<b>16.0</b>	<b>165.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1700.0</b>	<b>12327.0</b>	<b>14027</b>
<b>2019-20</b>	<b>514.7</b>	<b>0.0</b>	<b>514.7</b>	<b>86.2</b>	<b>569.8</b>	<b>103.0</b>	<b>759.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9663</b>	<b>47335</b>	<b>56998</b>
2018-19	0.0	234.0	234.0	55.6	513.5	117.5	686.6	375.5	0.0	375.5	9131	47960	57091
2017-18	0.0	2233.0	2233.0	2.8	421.3	222.0	646.1	443.3	0.0	443.3	8252	53344	61596
2016-17	0.0	51.0	51.0	3.6	432.2	227.0	662.8	189.0	0.0	189.0	2447	34007	36454
2015-16	0.0	673.0	673.0	20.0	462.9	186.0	668.9	560.8	0.0	560.8	11317	28246	39563

# शामग्री की खपत CONSUMPTION OF MATERIALS

C.C.S.	Unit - Tonne						Table No. 8.8
PERIOD	Alumina	Ca-Si Wire	Ca-Fe Wire	Casting Powder	Graphite Electrode	Pouring Refractory	
APR'19	25.0	150.3	53.0	200.0	45.6	79.0	
MAY	21.0	137.0	42.0	169.0	41.5	78.0	
JUN	16.7	177.2	44.0	182.0	43.8	78.0	
<b>1ST QTR.</b>	<b>62.7</b>	<b>464.5</b>	<b>139.0</b>	<b>551.0</b>	<b>130.9</b>	<b>235.0</b>	
JULY	32.6	204.0	38.0	196.0	50.0	81.0	
AUG	11.0	142.0	37.5	172.0	42.0	77.0	
SEP	9.7	160.0	25.0	184.0	48.8	76.9	
<b>2ND QTR.</b>	<b>53.3</b>	<b>506.0</b>	<b>100.5</b>	<b>552.0</b>	<b>140.8</b>	<b>234.9</b>	
OCT	0.0	185.7	21.7	175.0	48.5	77.0	
NOV	0.0	170.0	26.9	205.0	44.8	77.0	
DEC	0.0	183.6	25.0	196.0	42.1	78.2	
<b>3RD QTR.</b>	<b>0.0</b>	<b>539.3</b>	<b>73.6</b>	<b>576.0</b>	<b>135.4</b>	<b>232.2</b>	
JAN'20	8.8	179.8	31.0	206.0	44.4	78.0	
FEB	8.5	196.5	48.8	204.0	38.3	77.0	
MAR	0.0	196.0	48.5	190.0	39.2	77.9	
<b>4TH QTR.</b>	<b>17.3</b>	<b>572.3</b>	<b>128.3</b>	<b>600.0</b>	<b>121.9</b>	<b>232.9</b>	
<b>2019-20</b>	<b>133</b>	<b>2082</b>	<b>441</b>	<b>2279</b>	<b>529</b>	<b>935</b>	
2018-19	442	1568	385	2130	510	930	
2017-18	535	1435	263	1946	425	948	
2016-17	400	1060	261	1742	321	824	
2015-16	279	1182	118	1710	353	691	

खपत दर  
CONSUMPTION RATE

S.M.S.+C.C.S.

Unit - Kg/T of Crude Steel

Table No. 8.9 (Contd.)

PERIOD	Hot Metal			Scrap			Lime Stone			Lime				Cal. Dolo.		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	1041.2	1016.5	1019.8	98.1	108.8	107.4	0.0	0.0	0.0	47.1	40.8	2.4	43.7	24.67	35.00	33.63
MAY	1065.4	1016.2	1024.9	74.0	108.9	102.8	0.0	0.0	0.0	51.1	43.4	2.2	46.6	23.77	34.80	32.86
JUN	1073.6	1015.8	1024.2	66.0	109.3	102.9	0.0	0.0	0.0	50.5	44.1	2.3	47.0	23.07	39.01	36.69
<b>1ST QTR.</b>	<b>1060.7</b>	<b>1016.2</b>	<b>1022.9</b>	<b>78.7</b>	<b>109.0</b>	<b>104.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>49.7</b>	<b>42.7</b>	<b>2.3</b>	<b>45.7</b>	<b>23.82</b>	<b>36.28</b>	<b>34.39</b>
JULY	1048.2	1018.8	1022.5	91.4	106.1	104.2	0.0	0.0	0.0	50.1	42.6	2.6	45.9	21.52	33.88	32.30
AUG	1056.2	1019.8	1026.6	83.5	104.7	100.7	0.0	0.0	0.0	50.1	40.1	2.6	44.1	21.50	34.68	32.23
SEP	1079.0	1020.3	1024.4	60.4	103.8	100.8	0.0	0.0	0.0	50.7	40.7	2.7	43.9	16.12	31.02	29.98
<b>2ND QTR.</b>	<b>1057.1</b>	<b>1019.6</b>	<b>1024.4</b>	<b>82.5</b>	<b>104.9</b>	<b>102.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>50.2</b>	<b>41.2</b>	<b>2.7</b>	<b>44.7</b>	<b>20.59</b>	<b>33.17</b>	<b>31.55</b>
OCT	1093.8	1021.4	1027.0	45.9	103.8	99.3	0.0	0.0	0.0	50.9	40.0	1.8	42.5	16.09	29.37	28.35
NOV	1100.5	1024.7	1026.8	38.9	99.8	98.2	0.0	0.0	0.0	48.8	39.5	2.3	42.0	15.63	29.12	28.76
DEC	1121.3	1022.0	1023.9	18.6	102.8	101.2	0.0	0.0	0.0	58.0	43.1	1.6	44.9	11.07	28.53	28.20
<b>3RD QTR.</b>	<b>1099.5</b>	<b>1022.7</b>	<b>1025.8</b>	<b>40.2</b>	<b>102.2</b>	<b>99.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.6</b>	<b>40.9</b>	<b>1.9</b>	<b>43.2</b>	<b>15.20</b>	<b>29.00</b>	<b>28.43</b>
JAN'20	1078.6	1017.8	1023.3	60.5	107.9	103.6	0.0	0.0	0.0	58.8	43.6	2.8	47.6	21.26	32.50	31.48
FEB	1083.9	1014.5	1022.2	56.0	111.0	104.9	0.0	0.0	0.0	56.3	43.2	2.7	47.0	26.58	31.31	30.78
MAR	1081.1	1013.8	1022.2	58.5	111.6	105.0	0.0	0.0	0.0	53.0	45.5	2.8	48.9	24.55	35.19	33.86
<b>4TH QTR.</b>	<b>1081.4</b>	<b>1015.4</b>	<b>1022.6</b>	<b>58.2</b>	<b>110.1</b>	<b>104.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>55.7</b>	<b>44.1</b>	<b>2.8</b>	<b>47.8</b>	<b>24.33</b>	<b>32.99</b>	<b>32.04</b>
<b>2019-20</b>	<b>1068.5</b>	<b>1018.4</b>	<b>1023.9</b>	<b>71.0</b>	<b>106.6</b>	<b>102.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>51.6</b>	<b>42.3</b>	<b>2.4</b>	<b>45.4</b>	<b>22.27</b>	<b>32.85</b>	<b>31.70</b>
<b>2018-19</b>	<b>1053.5</b>	<b>1017.3</b>	<b>1021.4</b>	<b>71.1</b>	<b>107.7</b>	<b>103.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>43.4</b>	<b>43.5</b>	<b>2.4</b>	<b>45.6</b>	<b>38.21</b>	<b>32.70</b>	<b>33.33</b>
<b>2017-18</b>	<b>1074.3</b>	<b>1017.0</b>	<b>1023.5</b>	<b>51.1</b>	<b>108.2</b>	<b>101.7</b>	<b>0.0</b>	<b>1.2</b>	<b>1.1</b>	<b>42.3</b>	<b>44.2</b>	<b>2.6</b>	<b>46.2</b>	<b>38.79</b>	<b>31.15</b>	<b>32.02</b>
<b>2016-17</b>	<b>1084.1</b>	<b>1018.0</b>	<b>1021.7</b>	<b>37.4</b>	<b>108.2</b>	<b>104.2</b>	<b>0.0</b>	<b>1.8</b>	<b>1.7</b>	<b>42.6</b>	<b>43.9</b>	<b>3.1</b>	<b>46.7</b>	<b>39.21</b>	<b>32.78</b>	<b>33.14</b>
<b>2015-16</b>	<b>1048.8</b>	<b>1013.3</b>	<b>1019.0</b>	<b>71.8</b>	<b>112.6</b>	<b>106.0</b>	<b>0.0</b>	<b>0.2</b>	<b>0.1</b>	<b>63.0</b>	<b>43.1</b>	<b>3.0</b>	<b>48.8</b>	<b>21.88</b>	<b>33.58</b>	<b>31.69</b>



खपत दर  
CONSUMPTION RATE

S.M.S.+C.C.S.

Unit - Kg/T of Crude Steel

Table No. 8.9 (Contd.)

PERIOD	Dolo Lump/Chips			Fe-Mn(H/C)				Fe-Mn(M/C)				Fe-Si				Si-Mn		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	0.00	21.00	18.20	3.16	2.46	2.59	4.80	0.00	0.21	0.19	0.35	0.32	0.11	0.35	0.43	8.25	2.64	3.39
MAY	0.44	18.63	15.44	2.92	2.28	2.63	4.56	0.00	0.26	0.24	0.41	0.33	0.04	0.38	0.40	8.36	3.03	3.96
JUN	0.00	16.48	14.07	3.56	2.39	2.07	4.33	0.00	0.29	0.23	0.45	0.27	0.05	0.30	0.34	7.77	2.64	3.39
<b>1ST QTR.</b>	<b>0.17</b>	<b>18.74</b>	<b>15.93</b>	<b>3.20</b>	<b>2.38</b>	<b>2.43</b>	<b>4.57</b>	<b>0.00</b>	<b>0.25</b>	<b>0.22</b>	<b>0.40</b>	<b>0.31</b>	<b>0.07</b>	<b>0.34</b>	<b>0.39</b>	<b>8.14</b>	<b>2.76</b>	<b>3.58</b>
JULY	0.00	17.00	14.83	3.88	2.34	2.34	4.57	0.00	0.16	0.16	0.28	0.26	0.02	0.27	0.28	7.81	3.15	3.75
AUG	0.00	18.00	14.65	2.47	3.52	1.32	4.41	0.00	0.10	0.25	0.29	0.28	0.12	0.30	0.39	8.93	3.32	4.36
SEP	0.00	17.88	16.63	3.76	2.17	1.83	3.98	0.00	0.18	0.13	0.29	0.33	0.11	0.28	0.38	8.25	3.69	4.01
<b>2ND QTR.</b>	<b>0.00</b>	<b>17.59</b>	<b>15.33</b>	<b>3.21</b>	<b>2.63</b>	<b>1.87</b>	<b>4.33</b>	<b>0.00</b>	<b>0.15</b>	<b>0.18</b>	<b>0.29</b>	<b>0.28</b>	<b>0.08</b>	<b>0.28</b>	<b>0.35</b>	<b>8.40</b>	<b>3.38</b>	<b>4.02</b>
OCT	0.00	17.45	16.10	3.47	3.29	2.13	5.27	0.00	0.19	0.24	0.39	0.45	0.15	0.27	0.43	9.58	3.85	4.29
NOV	0.00	17.83	17.35	2.74	3.11	2.01	5.05	0.00	0.02	0.16	0.18	1.30	0.11	0.26	0.39	12.41	3.30	3.54
DEC	9.47	16.99	16.85	1.69	3.39	2.45	5.76	0.00	0.09	0.18	0.27	0.73	0.18	0.28	0.46	10.93	2.51	2.67
<b>3RD QTR.</b>	<b>1.49</b>	<b>17.41</b>	<b>16.76</b>	<b>3.04</b>	<b>3.27</b>	<b>2.20</b>	<b>5.37</b>	<b>0.00</b>	<b>0.10</b>	<b>0.19</b>	<b>0.28</b>	<b>0.67</b>	<b>0.14</b>	<b>0.27</b>	<b>0.43</b>	<b>10.38</b>	<b>3.20</b>	<b>3.50</b>
JAN'20	2.60	20.12	18.53	2.45	2.50	2.22	4.51	0.00	0.17	0.23	0.36	0.48	0.03	0.31	0.35	9.39	3.23	3.79
FEB	0.81	19.38	17.31	2.04	2.63	2.37	4.67	0.00	0.19	0.51	0.62	0.41	0.07	0.24	0.32	10.38	3.18	3.98
MAR	0.86	19.96	17.57	1.55	2.74	2.30	4.60	0.00	0.11	0.34	0.39	0.40	0.05	0.30	0.35	11.40	3.33	4.34
<b>4TH QTR.</b>	<b>1.32</b>	<b>19.82</b>	<b>17.80</b>	<b>1.97</b>	<b>2.62</b>	<b>2.30</b>	<b>4.60</b>	<b>0.00</b>	<b>0.16</b>	<b>0.35</b>	<b>0.46</b>	<b>0.43</b>	<b>0.05</b>	<b>0.28</b>	<b>0.34</b>	<b>10.50</b>	<b>3.25</b>	<b>4.04</b>
2019-20	0.54	18.42	16.47	2.86	2.73	2.20	4.70	0.00	0.16	0.24	0.36	0.36	0.08	0.29	0.38	9.03	3.15	3.79
2018-19	0.00	23.42	20.73	2.66	2.25	1.75	3.84	0.00	0.30	0.34	0.57	0.44	0.10	0.26	0.37	8.51	2.73	3.39
2017-18	0.00	19.00	16.85	1.19	2.29	1.31	3.32	0.00	0.23	0.27	0.44	0.27	0.10	0.24	0.33	10.19	3.32	4.10
2016-17	0.00	17.72	16.73	2.72	2.39	1.41	3.74	0.00	0.22	0.37	0.56	0.57	0.10	0.33	0.43	8.40	3.14	3.44
2015-16	5.16	18.72	16.53	3.27	2.70	1.72	4.23	0.00	0.20	0.25	0.38	0.32	0.08	0.27	0.35	7.85	3.03	3.81

**खपत दर**  
**CONSUMPTION RATE**

**S.M.S.+C.C.S.**

**Unit - Kg/T of Crude Steel**

Table No. 8.9 (Contd.)

PERIOD	Fe-Nb				Fe-Cr				Fe-P				Fe-V		
	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-II	CCS	TOTAL
APR'19	0.000	0.010	0.0004	0.009	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.018	0.000	0.016
MAY	0.000	0.017	0.0000	0.014	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.033	0.000	0.027
JUN	0.000	0.018	0.0001	0.015	0.000	0.058	0.0000	0.049	0.00	0.04	0.0000	0.03	0.035	0.000	0.029
<b>1ST QTR.</b>	<b>0.000</b>	<b>0.015</b>	<b>0.0002</b>	<b>0.013</b>	<b>0.000</b>	<b>0.019</b>	<b>0.0000</b>	<b>0.016</b>	<b>0.00</b>	<b>0.01</b>	<b>0.0000</b>	<b>0.01</b>	<b>0.028</b>	<b>0.000</b>	<b>0.024</b>
JULY	0.000	0.014	0.0001	0.012	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.033	0.000	0.029
AUG	0.000	0.007	0.0000	0.005	0.000	0.050	0.0000	0.040	0.00	0.03	0.0000	0.03	0.016	0.000	0.013
SEP	0.000	0.008	0.0000	0.007	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.018	0.000	0.016
<b>2ND QTR.</b>	<b>0.000</b>	<b>0.010</b>	<b>0.0000</b>	<b>0.009</b>	<b>0.000</b>	<b>0.015</b>	<b>0.0000</b>	<b>0.013</b>	<b>0.00</b>	<b>0.01</b>	<b>0.0000</b>	<b>0.01</b>	<b>0.023</b>	<b>0.000</b>	<b>0.020</b>
OCT	0.000	0.014	0.0000	0.012	0.000	0.111	0.0000	0.102	0.00	0.08	0.0000	0.08	0.027	0.000	0.025
NOV	0.000	0.004	0.0000	0.004	0.000	0.064	0.0000	0.062	0.00	0.04	0.0000	0.04	0.009	0.000	0.009
DEC	0.000	0.006	0.0000	0.005	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.012	0.000	0.012
<b>3RD QTR.</b>	<b>0.000</b>	<b>0.008</b>	<b>0.0000</b>	<b>0.007</b>	<b>0.000</b>	<b>0.057</b>	<b>0.0000</b>	<b>0.055</b>	<b>0.00</b>	<b>0.04</b>	<b>0.0000</b>	<b>0.04</b>	<b>0.016</b>	<b>0.000</b>	<b>0.015</b>
JAN'20	0.000	0.013	0.0001	0.012	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.030	0.000	0.027
FEB	0.000	0.014	0.0024	0.014	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.029	0.000	0.026
MAR	0.000	0.011	0.0000	0.010	0.000	0.000	0.0000	0.000	0.00	0.00	0.0000	0.00	0.027	0.000	0.024
<b>4TH QTR.</b>	<b>0.000</b>	<b>0.013</b>	<b>0.0008</b>	<b>0.012</b>	<b>0.000</b>	<b>0.000</b>	<b>0.0000</b>	<b>0.000</b>	<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>	<b>0.00</b>	<b>0.029</b>	<b>0.000</b>	<b>0.026</b>
<b>2019-20</b>	<b>0.000</b>	<b>0.011</b>	<b>0.0003</b>	<b>0.010</b>	<b>0.000</b>	<b>0.022</b>	<b>0.0000</b>	<b>0.020</b>	<b>0.00</b>	<b>0.02</b>	<b>0.0000</b>	<b>0.01</b>	<b>0.024</b>	<b>0.000</b>	<b>0.021</b>
2018-19	0.000	0.015	0.0002	0.013	0.000	0.035	0.0000	0.031	0.00	0.02	0.0000	0.02	0.027	0.000	0.024
2017-18	0.000	0.016	0.0002	0.014	0.000	0.045	0.0000	0.040	0.00	0.03	0.0002	0.03	0.021	0.000	0.019
2016-17	0.000	0.018	0.0005	0.018	0.000	0.073	0.0001	0.069	0.00	0.04	0.0008	0.04	0.015	0.000	0.014
2015-16	0.001	0.014	0.0003	0.012	0.000	0.043	0.0000	0.036	0.00	0.02	0.0005	0.02	0.014	0.000	0.011

**खपत दर**  
**CONSUMPTION RATE**

**S.M.S.+C.C.S.**

**Unit - Kg/T of Crude Steel**

Table No. 8.9 (Contd.)

PERIOD	Fe-B	Fe-Ti	Copper				Nickel			Aluminium			
	CCS	CCS	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL
APR'19	0.014	0.001	0.00	0.08	0.0000	0.07	0.00	0.000	0.000	0.080	1.762	0.679	2.126
MAY	0.009	0.011	0.00	0.05	0.0000	0.05	0.00	0.049	0.040	0.082	1.772	0.760	2.102
JUN	0.018	0.010	0.00	0.06	0.0000	0.05	0.00	0.037	0.032	0.091	1.834	0.766	2.234
<b>1ST QTR.</b>	<b>0.014</b>	<b>0.007</b>	<b>0.00</b>	<b>0.06</b>	<b>0.0000</b>	<b>0.05</b>	<b>0.00</b>	<b>0.028</b>	<b>0.024</b>	<b>0.084</b>	<b>1.790</b>	<b>0.734</b>	<b>2.154</b>
JULY	0.016	0.005	0.00	0.07	0.0000	0.06	0.00	0.000	0.000	0.482	1.729	0.730	2.207
AUG	0.009	0.000	0.00	0.10	0.0000	0.08	0.00	0.017	0.014	0.434	1.803	0.873	2.259
SEP	0.006	0.012	0.00	0.02	0.0000	0.02	0.00	0.060	0.056	0.450	1.695	0.819	2.369
<b>2ND QTR.</b>	<b>0.011</b>	<b>0.006</b>	<b>0.00</b>	<b>0.06</b>	<b>0.0000</b>	<b>0.05</b>	<b>0.00</b>	<b>0.025</b>	<b>0.022</b>	<b>0.455</b>	<b>1.740</b>	<b>0.802</b>	<b>2.274</b>
OCT	0.010	0.004	0.00	0.09	0.0000	0.08	0.00	0.141	0.130	0.268	1.763	0.777	2.364
NOV	0.008	0.002	0.00	0.07	0.0000	0.07	0.00	0.025	0.025	0.091	1.654	0.791	2.383
DEC	0.004	0.007	0.00	0.01	0.0000	0.01	0.00	0.000	0.000	0.033	1.705	0.666	2.327
<b>3RD QTR.</b>	<b>0.007</b>	<b>0.004</b>	<b>0.00</b>	<b>0.05</b>	<b>0.0000</b>	<b>0.05</b>	<b>0.00</b>	<b>0.054</b>	<b>0.052</b>	<b>0.194</b>	<b>1.707</b>	<b>0.743</b>	<b>2.357</b>
JAN'20	0.011	0.010	0.00	0.00	0.0000	0.00	0.00	0.079	0.072	0.014	1.724	0.653	2.164
FEB	0.011	0.018	0.00	0.04	0.0000	0.04	0.00	0.052	0.046	0.011	1.742	0.655	2.131
MAR	0.013	0.007	0.00	0.05	0.0000	0.05	0.00	0.089	0.078	0.008	1.750	0.742	2.182
<b>4TH QTR.</b>	<b>0.012</b>	<b>0.012</b>	<b>0.00</b>	<b>0.03</b>	<b>0.0000</b>	<b>0.03</b>	<b>0.00</b>	<b>0.073</b>	<b>0.065</b>	<b>0.011</b>	<b>1.739</b>	<b>0.683</b>	<b>2.159</b>
<b>2019-20</b>	<b>0.011</b>	<b>0.007</b>	<b>0.00</b>	<b>0.05</b>	<b>0.0000</b>	<b>0.05</b>	<b>0.00</b>	<b>0.046</b>	<b>0.041</b>	<b>0.181</b>	<b>1.744</b>	<b>0.739</b>	<b>2.232</b>
<b>2018-19</b>	<b>0.012</b>	<b>0.007</b>	<b>0.00</b>	<b>0.07</b>	<b>0.0000</b>	<b>0.07</b>	<b>0.00</b>	<b>0.028</b>	<b>0.025</b>	<b>0.045</b>	<b>1.736</b>	<b>0.703</b>	<b>2.164</b>
<b>2017-18</b>	<b>0.011</b>	<b>0.015</b>	<b>0.00</b>	<b>0.06</b>	<b>0.0000</b>	<b>0.05</b>	<b>0.00</b>	<b>0.025</b>	<b>0.022</b>	<b>0.005</b>	<b>1.668</b>	<b>0.589</b>	<b>2.002</b>
<b>2016-17</b>	<b>0.014</b>	<b>0.026</b>	<b>0.00</b>	<b>0.06</b>	<b>0.0000</b>	<b>0.06</b>	<b>0.00</b>	<b>0.041</b>	<b>0.039</b>	<b>0.014</b>	<b>1.771</b>	<b>0.629</b>	<b>2.267</b>
<b>2015-16</b>	<b>0.009</b>	<b>0.025</b>	<b>0.00</b>	<b>0.05</b>	<b>0.0000</b>	<b>0.04</b>	<b>0.00</b>	<b>0.023</b>	<b>0.019</b>	<b>0.017</b>	<b>1.790</b>	<b>0.600</b>	<b>2.006</b>

**खपत दर**  
**CONSUMPTION RATE**

**S.M.S.+C.C.S.**

**Unit - Kg/T of Crude Steel**

Table No. 8.9 (Contd.)

PERIOD	Iron Ore			Petro Coke				Coke			LD Slag		
	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	CCS	TOTAL	SMS-I	SMS-II	TOTAL	SMS-I	SMS-II	TOTAL
APR'19	0.00	0.00	0.00	0.197	0.146	0.028	0.177	0.00	0.00	0.00	31.18	17.24	19.10
MAY	0.66	0.00	0.12	0.222	0.164	0.016	0.187	0.00	0.00	0.00	27.85	12.97	15.58
JUN	0.00	0.00	0.00	0.263	0.179	0.026	0.213	0.00	0.00	0.00	26.52	12.63	14.66
<b>1ST QTR.</b>	<b>0.25</b>	<b>0.00</b>	<b>0.04</b>	<b>0.228</b>	<b>0.163</b>	<b>0.023</b>	<b>0.192</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>28.43</b>	<b>14.35</b>	<b>16.48</b>
JULY	0.00	0.00	0.00	0.268	0.183	0.041	0.230	0.00	0.00	0.00	29.49	13.89	15.88
AUG	0.00	0.00	0.00	0.228	0.204	0.052	0.251	0.00	0.00	0.00	29.60	14.08	16.96
SEP	0.00	0.00	0.00	0.090	0.183	0.035	0.209	0.00	0.00	0.00	18.06	13.88	14.18
<b>2ND QTR.</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.219</b>	<b>0.189</b>	<b>0.042</b>	<b>0.230</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>27.59</b>	<b>13.94</b>	<b>15.69</b>
OCT	0.00	0.00	0.00	0.104	0.197	0.049	0.235	0.00	0.00	0.00	20.34	15.19	15.58
NOV	0.00	0.00	0.00	0.216	0.171	0.026	0.197	0.00	0.00	0.00	26.06	11.19	11.58
DEC	17.85	0.00	0.34	1.639	0.203	0.053	0.282	0.00	0.00	0.00	7.47	19.21	18.99
<b>3RD QTR.</b>	<b>2.81</b>	<b>0.00</b>	<b>0.12</b>	<b>0.369</b>	<b>0.191</b>	<b>0.043</b>	<b>0.239</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>19.51</b>	<b>15.29</b>	<b>15.46</b>
JAN'20	5.47	0.00	0.49	0.179	0.156	0.031	0.186	0.00	0.00	0.00	14.86	11.81	12.08
FEB	4.42	0.00	0.49	0.168	0.157	0.014	0.170	0.00	0.00	0.00	14.68	16.42	16.23
MAR	1.58	0.00	0.20	0.099	0.157	0.011	0.159	0.00	0.00	0.00	18.42	14.88	15.33
<b>4TH QTR.</b>	<b>3.62</b>	<b>0.00</b>	<b>0.39</b>	<b>0.145</b>	<b>0.157</b>	<b>0.019</b>	<b>0.172</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>16.17</b>	<b>14.35</b>	<b>14.54</b>
2019-20	1.29	0.00	0.14	0.216	0.174	0.032	0.207	0.00	0.00	0.00	24.18	14.49	15.54
2018-19	0.00	0.07	0.06	0.126	0.151	0.035	0.179	0.85	0.00	0.10	20.76	14.13	14.89
2017-18	0.00	0.68	0.60	0.007	0.129	0.068	0.175	1.06	0.00	0.12	19.75	16.28	16.68
2016-17	0.00	0.02	0.02	0.020	0.145	0.076	0.210	1.07	0.00	0.06	13.86	11.42	11.56
2015-16	0.00	0.24	0.20	0.036	0.163	0.065	0.197	1.02	0.00	0.17	20.65	9.93	11.66

खपत दर  
CONSUMPTION RATE

C.C.S.	Unit - Kg./T of Cast Slab						Table No. 8.9
PERIOD	Alumina	Ca-Si Wire	Ca-Fe Wire	Casting Powder	Graphite Electrode	Pouring Refractory	
APR'19	0.09	0.53	0.19	0.70	0.16	0.28	
MAY	0.08	0.53	0.16	0.66	0.16	0.30	
JUN	0.06	0.65	0.16	0.67	0.16	0.29	
<b>1ST QTR.</b>	<b>0.08</b>	<b>0.57</b>	<b>0.17</b>	<b>0.68</b>	<b>0.16</b>	<b>0.29</b>	
JULY	0.11	0.70	0.13	0.68	0.17	0.28	
AUG	0.05	0.62	0.16	0.75	0.18	0.33	
SEP	0.04	0.62	0.10	0.71	0.19	0.30	
<b>2ND QTR.</b>	<b>0.07</b>	<b>0.65</b>	<b>0.13</b>	<b>0.71</b>	<b>0.18</b>	<b>0.30</b>	
OCT	0.00	0.70	0.08	0.66	0.18	0.29	
NOV	0.00	0.64	0.10	0.77	0.17	0.29	
DEC	0.00	0.64	0.09	0.69	0.15	0.27	
<b>3RD QTR.</b>	<b>0.00</b>	<b>0.66</b>	<b>0.09</b>	<b>0.71</b>	<b>0.17</b>	<b>0.28</b>	
JAN'20	0.03	0.62	0.11	0.70	0.15	0.27	
FEB	0.03	0.69	0.17	0.72	0.13	0.27	
MAR	0.00	0.69	0.17	0.67	0.14	0.28	
<b>4TH QTR.</b>	<b>0.02</b>	<b>0.67</b>	<b>0.15</b>	<b>0.70</b>	<b>0.14</b>	<b>0.27</b>	
<b>2019-20</b>	<b>0.04</b>	<b>0.64</b>	<b>0.14</b>	<b>0.70</b>	<b>0.16</b>	<b>0.29</b>	
2018-19	0.13	0.46	0.11	0.63	0.15	0.27	
2017-18	0.16	0.44	0.08	0.59	0.13	0.29	
2016-17	0.13	0.36	0.09	0.59	0.11	0.28	
2015-16	0.10	0.42	0.04	0.60	0.12	0.24	

परिचालनीय विवरण  
OPERATIONAL DETAILS

S.M.S.	Unit - Nos.											Table No.8.10	
	ARISING OF STICKERS AT SMS-I (Nos.)			Tap to Tap Time (mts.)				Heat Size		Average Lining			
	PERIOD	Bottom Stickers	Mould Stickers	Bottom+Mould Sticker	On available Hrs.		On working Hrs.		Tonne/Heat		Life (Nos.)		
					SMS-I	SMS-II	SMS-I	SMS-II	SMS-I	SMS-II	SMS-I	SMS-II	
APR'19	35	12	9	251	75	118	59	126.9	276.0	-	-		
MAY	54	11	13	206	68	120	57	123.6	273.8	958	3350		
JUN	12	16	9	275	78	122	61	121.1	269.3	-	-		
<b>1ST QTR.</b>	<b>101</b>	<b>39</b>	<b>31</b>	<b>242</b>	<b>74</b>	<b>120</b>	<b>59</b>	<b>123.7</b>	<b>273.0</b>	<b>958</b>	<b>3350</b>		
JULY	24	11	10	301	76	116	60	125.4	272.6	1031	-		
AUG	35	17	12	327	77	112	60	128.2	269.9	-	1581		
SEP	2	6	4	673	74	116	59	127.7	272.6	480	4701		
<b>2ND QTR.</b>	<b>61</b>	<b>34</b>	<b>26</b>	<b>376</b>	<b>76</b>	<b>114</b>	<b>60</b>	<b>127.1</b>	<b>271.8</b>	<b>756</b>	<b>3141</b>		
OCT	5	7	3	504	75	113	62	125.0	271.4	-	-		
NOV	2	2	1	1440	81	116	67	121.5	270.4	-	-		
DEC	5	1	1	1429	78	90	63	116.8	274.1	767	-		
<b>3RD QTR.</b>	<b>12</b>	<b>10</b>	<b>5</b>	<b>855</b>	<b>78</b>	<b>110</b>	<b>64</b>	<b>122.9</b>	<b>272.0</b>	<b>767</b>			
JAN'20	18	5	3	378	77	137	64	124.3	274.7	-	-		
FEB	17	6	11	289	73	116	59	123.3	275.6	-	-		
MAR	6	9	18	277	78	125	63	125.6	274.4	-	-		
<b>4TH QTR.</b>	<b>41</b>	<b>20</b>	<b>32</b>	<b>309</b>	<b>76</b>	<b>125</b>	<b>62</b>	<b>124.4</b>	<b>274.9</b>	<b>-</b>	<b>-</b>		
<b>2019-20</b>	<b>215</b>	<b>103</b>	<b>94</b>	<b>352</b>	<b>76</b>	<b>119</b>	<b>61</b>	<b>124.8</b>	<b>273.0</b>	<b>809</b>	<b>3211</b>		
2018-19	247	22	191	281	73	118	57	124.1	272.1	926	3425		
2017-18	256	52	232	456	72	117	56	122.1	272.8	834	3682		
2016-17	70	12	37	1098	80	101	62	124.1	272.5	1211	4341		
2015-16	204	93	182	343	83	135	66	122.2	270.1	1054	5132		

कन्वर्टर प्राप्यता एवं उपयोगिता  
CONVERTER AVAILABILITY & UTILISATION

S.M.S.- I			Unit : (Hrs. : Mts.)				Table No.8.11 (Contd.)		
PERIOD	Calendar Hours	Shut Down Hours	Total Available Hours	Non-opn time Due to More than Three Converters Availability	Net Available Hours	Total Delays Time	Working Hours	Availability against Cal. Hrs. (%)	Utilisation Against Avl. Hours. (%)
APR'19	3600:00	2160:00	1440:00	00:00	1440:00	763:25	676:35	40.0	47.0
MAY	3720:00	2194:00	1526:00	00:00	1526:00	641:30	884:30	41.0	58.0
JUN	3600:00	1841:50	1758:10	00:00	1758:10	981:00	777:10	48.8	44.2
<b>1ST QTR.</b>	<b>10920:00</b>	<b>6195:50</b>	<b>4724:10</b>	<b>00:00</b>	<b>4724:10</b>	<b>2385:55</b>	<b>2338:15</b>	<b>43.3</b>	<b>49.5</b>
JULY	3720:00	2017:25	1702:35	00:00	1702:35	1048:20	654:15	45.8	38.4
AUG	3720:00	1488:00	2232:00	00:00	2232:00	1465:55	766:05	60.0	34.3
SEP	3600:00	1884:00	1716:00	00:00	1716:00	1421:00	295:00	47.7	17.2
<b>2ND QTR.</b>	<b>11040:00</b>	<b>5389:25</b>	<b>5650:35</b>	<b>00:00</b>	<b>5650:35</b>	<b>3935:15</b>	<b>1715:20</b>	<b>51.2</b>	<b>30.4</b>
OCT	3720:00	2232:00	1488:00	00:00	1488:00	1154:55	333:05	40.0	22.4
NOV	3600:00	2160:00	1440:00	00:00	1440:00	1324:20	115:40	40.0	8.0
DEC	3720:00	2601:00	1119:00	00:00	1119:00	1048:50	70:10	30.1	6.3
<b>3RD QTR.</b>	<b>11040:00</b>	<b>6993:00</b>	<b>4047:00</b>	<b>00:00</b>	<b>4047:00</b>	<b>3528:05</b>	<b>518:55</b>	<b>36.7</b>	<b>12.8</b>
JAN'20	3720:00	2245:30	1474:30	00:00	1474:30	941:15	533:15	39.6	36.2
FEB	3480:00	2088:00	1392:00	00:00	1392:00	833:45	558:15	40.0	40.1
MAR	3720:00	2232:00	1488:00	00:00	1488:00	819:25	668:35	40.0	44.9
<b>4TH QTR.</b>	<b>10920:00</b>	<b>6565:30</b>	<b>4354:30</b>	<b>00:00</b>	<b>4354:30</b>	<b>2594:25</b>	<b>1760:05</b>	<b>39.9</b>	<b>40.4</b>
<b>2019-20</b>	<b>43920:00</b>	<b>25143:45</b>	<b>18776:15</b>	<b>00:00</b>	<b>18776:15</b>	<b>12443:40</b>	<b>6332:35</b>	<b>42.8</b>	<b>33.7</b>
2018-19	43800:00	26929:15	16870:45	280:00	16590:45	9620:45	6970:00	37.9	42.0
2017-18	43800:00	13208:00	30592:00	4560:00	26032:00	19344:15	6687:45	59.4	25.7
2016-17	43800:00	16973:45	26826:15	798:15	26028:00	23632:45	2395:15	59.4	9.2
2015-16	43920:00	16068:00	27852:00	2224:00	25628:00	15546:35	10081:25	58.4	39.3

**कनवर्टर प्राप्यता एवं उपयोगिता**  
**CONVERTER AVAILABILITY & UTILISATION**

**S.M.S.- II**

**Unit : (Hrs. : Mts.)**

Table No.8.11 (Contd.)

PERIOD	Calendar Hours	Shut Down Hours	Total Available Hours	Idle Hrs (10 mnts/heat in 2 conv. operation)	Total Delays	Working Hours	Availability against Cal.Hrs. (%)	Utilisation Against Available Hours. (%)
APR'19	1440:00	160:00	1280:00	171:20	93:00	1015:40	88.9	79.3
MAY	1488:00	428:00	1060:00	103:20	64:30	892:10	71.2	84.2
JUN	1440:00	126:00	1314:00	168:00	118:55	1027:05	91.3	78.2
<b>1ST QTR.</b>	<b>4368:00</b>	<b>714:00</b>	<b>3654:00</b>	<b>442:40</b>	<b>276:25</b>	<b>2934:55</b>	<b>83.7</b>	<b>80.3</b>
JULY	1488:00	142:00	1346:00	177:30	110:30	1058:00	90.5	78.6
AUG	1488:00	396:00	1092:00	106:00	132:00	854:00	73.4	78.2
SEP	1440:00	261:00	1179:00	140:00	98:00	941:00	81.9	79.8
<b>2ND QTR.</b>	<b>4416:00</b>	<b>799:00</b>	<b>3617:00</b>	<b>423:30</b>	<b>340:30</b>	<b>2853:00</b>	<b>81.9</b>	<b>78.9</b>
OCT	1488:00	278:00	1210:00	133:10	71:45	1005:05	81.3	83.1
NOV	1440:00	114:00	1326:00	164:20	66:00	1095:40	92.1	82.6
DEC	1488:00	137:00	1351:00	173:40	85:30	1091:50	90.8	80.8
<b>3RD QTR.</b>	<b>4416:00</b>	<b>529:00</b>	<b>3887:00</b>	<b>471:10</b>	<b>223:15</b>	<b>3192:35</b>	<b>88.0</b>	<b>82.1</b>
JAN'20	1488:00	114:00	1374:00	177:20	70:00	1126:40	92.3	82.0
FEB	1392:00	137:00	1255:00	171:50	71:00	1012:10	90.2	80.7
MAR	1488:00	151:00	1337:00	171:50	79:00	1086:10	89.9	81.2
<b>4TH QTR.</b>	<b>4368:00</b>	<b>402:00</b>	<b>3966:00</b>	<b>521:00</b>	<b>220:00</b>	<b>3225:00</b>	<b>90.8</b>	<b>81.3</b>
<b>2019-20</b>	<b>17568:00</b>	<b>2444:00</b>	<b>15124:00</b>	<b>1858:20</b>	<b>1060:10</b>	<b>12205:30</b>	<b>86.1</b>	<b>80.7</b>
2018-19	17520:00	2370:30	15149:30	2049:55	1150:15	11949:20	86.5	78.9
2017-18	17520:00	3071:18	14448:42	2031:25	1116:00	11301:17	82.5	78.2
2016-17	17520:00	2938:00	14582:00	2474:45	810:00	11297:15	83.2	77.5
2015-16	17568:00	3002:00	14566:00	2393:00	598:00	11575:00	82.9	79.5



कास्टर प्राप्यता एवं उपयोग  
CASTER AVAILABILITY & UTILISATION

C.C.S	Unit - (Hrs : Mts)							Table No.8.11	
	Calendar Hours	Shut Down	Available Hours	Idle Hours	Delays Hours	Working Hours*	(%) Availability	(%) Utilisation	
APR'19	1440:00	65:00	1375:00	138:00	34:00	1203:00	95.5	87.5	
MAY	1488:00	181:00	1307:00	254:00	11:00	1042:00	87.8	79.7	
JUN	1440:00	71:00	1369:00	186:15	39:45	1143:00	95.1	83.5	
<b>1ST QTR.</b>	<b>4368:00</b>	<b>317:00</b>	<b>4051:00</b>	<b>578:15</b>	<b>84:45</b>	<b>3388:00</b>	<b>92.7</b>	<b>83.6</b>	
JULY	1488:00	61:00	1427:00	158:15	38:45	1230:00	95.9	86.2	
AUG	1488:00	68:00	1420:00	354:00	57:00	1009:00	95.4	71.1	
SEP	1440:00	60:30	1379:30	232:00	33:30	1114:00	95.8	80.8	
<b>2ND QTR.</b>	<b>4416:00</b>	<b>189:30</b>	<b>4226:30</b>	<b>744:15</b>	<b>129:15</b>	<b>3353:00</b>	<b>95.7</b>	<b>79.3</b>	
OCT	1488:00	78:30	1409:30	305:15	14:15	1090:00	94.7	77.3	
NOV	1440:00	68:00	1372:00	164:30	18:30	1189:00	95.3	86.7	
DEC	1488:00	56:30	1431:30	140:00	21:30	1270:00	96.2	88.7	
<b>3RD QTR.</b>	<b>4416:00</b>	<b>203:00</b>	<b>4213:00</b>	<b>609:45</b>	<b>54:15</b>	<b>3549:00</b>	<b>95.4</b>	<b>84.2</b>	
JAN'20	1488:00	76:00	1412:00	119:30	19:30	1273:00	94.9	90.2	
FEB	1392:00	66:00	1326:00	02:00	56:00	1268:00	95.3	95.6	
MAR	1488:00	75:30	1412:30	74:30	68:00	1270:00	94.9	89.9	
<b>4TH QTR.</b>	<b>4368:00</b>	<b>217:30</b>	<b>4150:30</b>	<b>196:00</b>	<b>143:30</b>	<b>3811:00</b>	<b>95.0</b>	<b>91.8</b>	
<b>2019-20</b>	<b>17568:00</b>	<b>927:00</b>	<b>16641:00</b>	<b>2128:15</b>	<b>411:45</b>	<b>14101:00</b>	<b>94.7</b>	<b>84.7</b>	
2018-19	17520:00	1495:00	16025:00	1915:37	309:23	13800:00	91.5	86.1	
2017-18	17520:00	1701:26	15818:34	2993:32	265:02	12560:00	90.3	79.4	
2016-17	17520:00	1467:45	16052:15	4743:18	295:57	11013:00	91.6	68.6	
2015-16	17568:00	1373:00	16195:00	4839:42	236:18	11119:00	92.2	68.7	

**व्यवरोध काल**  
**DOWN TIME**

S.M.S.- I

Unit - (Hrs. : Mts.)

Table No. 8.12 (Contd.)

PERIOD	Techno-logical	Electrical	Mechanical	Hot Metal/ Low Mixer Balance	Boiler	Traffic	Oxygen Plant
APR'19	36:05	08:30	02:30	347:15	51:55	07:05	00:00
MAY	93:20	12:50	01:25	122:10	145:40	03:05	00:00
JUN	79:35	25:35	17:10	58:10	110:45	23:00	00:00
<b>1ST QTR.</b>	<b>209:00</b>	<b>46:55</b>	<b>21:05</b>	<b>527:35</b>	<b>308:20</b>	<b>33:10</b>	<b>00:00</b>
JULY	26:15	13:10	03:40	104:30	134:10	05:30	00:00
AUG	16:05	12:15	138:30	154:25	254:50	17:55	08:50
SEP	07:35	03:45	148:00	452:00	59:30	00:00	00:00
<b>2ND QTR.</b>	<b>49:55</b>	<b>29:10</b>	<b>290:10</b>	<b>710:55</b>	<b>448:30</b>	<b>23:25</b>	<b>08:50</b>
OCT	06:25	16:35	00:20	458:20	05:30	00:30	00:00
NOV	20:10	00:00	00:00	593:55	19:15	00:00	00:00
DEC	00:00	00:00	00:00	686:50	00:00	00:00	00:00
<b>3RD QTR.</b>	<b>26:35</b>	<b>16:35</b>	<b>00:20</b>	<b>1739:05</b>	<b>24:45</b>	<b>00:30</b>	<b>00:00</b>
JAN'20	02:00	11:45	11:05	618:10	17:20	00:25	11:05
FEB	02:05	15:05	00:00	120:50	55:25	01:00	387:05
MAR	72:50	35:25	40:00	155:00	35:05	07:35	54:50
<b>4TH QTR.</b>	<b>76:55</b>	<b>62:15</b>	<b>51:05</b>	<b>894:00</b>	<b>107:50</b>	<b>09:00</b>	<b>453:00</b>
<b>2019-20</b>	<b>362:25</b>	<b>154:55</b>	<b>362:40</b>	<b>3871:35</b>	<b>889:25</b>	<b>66:05</b>	<b>461:50</b>
2018-19	815:50	82:50	212:05	3513:30	773:25	74:55	01:15
2017-18	988:35	125:20	57:50	9437:35	429:30	72:55	33:00
2016-17	215:50	46:45	31:55	14497:35	208:50	33:45	01:45
2015-16	344:05	190:50	56:55	6016:55	765:25	183:55	07:50

# अवरोध काल

## DOWN TIME

S.M.S. - I

Unit - (Hrs. : Mts.)

Table No. 8.12 (Contd.)

PERIOD	Instru mentation	No Slag Pot	No Ladle	No Mould Set	Power Shortage	Misc.	Total Delays	Non Opn. Time/Nose Down	Total Down Time
APR'19	00:30	13:30	02:40	01:30	04:25	287:30	763:25	00:00	763:25
MAY	01:10	02:25	02:15	06:15	01:25	249:30	641:30	00:00	641:30
JUN	03:45	03:00	00:30	16:40	00:30	642:20	981:00	00:00	981:00
<b>1ST QTR.</b>	<b>05:25</b>	<b>18:55</b>	<b>05:25</b>	<b>24:25</b>	<b>06:20</b>	<b>1179:20</b>	<b>2385:55</b>	<b>00:00</b>	<b>2385:55</b>
JULY	00:00	04:40	01:20	00:35	01:40	752:50	1048:20	00:00	1048:20
AUG	00:00	00:00	00:00	22:05	00:00	841:00	1465:55	00:00	1465:55
SEP	00:00	00:00	00:00	04:50	00:40	744:40	1421:00	00:00	1421:00
<b>2ND QTR.</b>	<b>00:00</b>	<b>04:40</b>	<b>01:20</b>	<b>27:30</b>	<b>02:20</b>	<b>2338:30</b>	<b>3935:15</b>	<b>00:00</b>	<b>3935:15</b>
OCT	00:00	00:00	00:40	03:00	00:40	662:55	1154:55	00:00	1154:55
NOV	00:00	00:00	00:00	00:00	00:00	691:00	1324:20	00:00	1324:20
DEC	00:00	00:00	00:00	00:00	00:00	362:00	1048:50	00:00	1048:50
<b>3RD QTR.</b>	<b>00:00</b>	<b>00:00</b>	<b>00:40</b>	<b>03:00</b>	<b>00:40</b>	<b>1715:55</b>	<b>3528:05</b>	<b>00:00</b>	<b>3528:05</b>
JAN'20	00:00	01:30	00:00	00:00	02:40	265:15	941:15	00:00	941:15
FEB	00:00	00:00	77:45	00:00	08:30	166:00	833:45	00:00	833:45
MAR	00:15	01:00	00:00	00:45	00:00	416:40	819:25	00:00	819:25
<b>4TH QTR.</b>	<b>00:15</b>	<b>02:30</b>	<b>77:45</b>	<b>00:45</b>	<b>11:10</b>	<b>847:55</b>	<b>2594:25</b>	<b>00:00</b>	<b>2594:25</b>
<b>2019-20</b>	<b>05:40</b>	<b>26:05</b>	<b>85:10</b>	<b>55:40</b>	<b>20:30</b>	<b>6081:40</b>	<b>12443:40</b>	<b>00:00</b>	<b>12443:40</b>
2018-19	00:50	04:45	22:30	26:20	12:20	4080:10	9620:45	280:00	9900:45
2017-18	08:40	09:30	33:20	115:00	16:35	8016:25	19344:15	4560:00	23904:15
2016-17	12:20	06:50	20:30	20:55	06:35	8529:10	23632:45	798:15	24431:00
2015-16	32:15	51:30	61:50	431:50	36:50	7366:25	15546:35	2224:00	17770:35

# व्यवरोध काल

## DOWN TIME

S.M.S. - II

Unit - (Hrs. : Mts.)

Table No. 8.12 (Contd.)

PERIOD	Techno-logical Hours	No CCS Clearance	Electrical	Mechanical	Hot Metal/ Low Mixer Balance	G C P	Traffic	Oxygen Plant
APR'19	03:45	25:00	00:00	11:45	17:30	14:00	02:30	00:00
MAY	03:00	02:00	03:50	07:30	11:00	04:30	02:30	01:00
JUN	06:15	34:45	04:30	21:45	12:40	08:45	00:45	00:45
<b>1ST QTR.</b>	<b>13:00</b>	<b>61:45</b>	<b>08:20</b>	<b>41:00</b>	<b>41:10</b>	<b>27:15</b>	<b>05:45</b>	<b>01:45</b>
JULY	17:15	38:45	08:30	19:00	13:30	04:30	00:00	00:00
AUG	05:00	41:00	01:00	06:00	04:00	10:00	01:00	02:00
SEP	02:30	11:15	02:30	05:30	16:30	08:00	00:00	01:00
<b>2ND QTR.</b>	<b>24:45</b>	<b>91:00</b>	<b>12:00</b>	<b>30:30</b>	<b>34:00</b>	<b>22:30</b>	<b>01:00</b>	<b>03:00</b>
OCT	21:30	11:00	00:00	07:00	25:30	01:30	00:00	01:00
NOV	04:30	12:30	02:30	11:30	27:30	02:00	01:30	00:30
DEC	06:30	15:00	01:00	10:30	38:30	00:00	02:30	00:00
<b>3RD QTR.</b>	<b>32:30</b>	<b>38:30</b>	<b>03:30</b>	<b>29:00</b>	<b>91:30</b>	<b>03:30</b>	<b>04:00</b>	<b>01:30</b>
JAN'20	03:30	12:30	01:30	00:30	39:00	04:00	00:30	01:00
FEB	02:00	38:00	02:30	06:30	12:30	01:30	00:00	04:00
MAR	06:30	24:00	02:30	09:00	09:00	02:30	00:30	00:30
<b>4TH QTR.</b>	<b>12:00</b>	<b>74:30</b>	<b>06:30</b>	<b>16:00</b>	<b>60:30</b>	<b>08:00</b>	<b>01:00</b>	<b>05:30</b>
<b>2019-20</b>	<b>82:15</b>	<b>265:45</b>	<b>30:20</b>	<b>116:30</b>	<b>227:10</b>	<b>61:15</b>	<b>11:45</b>	<b>11:45</b>
2018-19	98:30	268:00	55:45	86:45	199:05	70:20	25:15	01:30
2017-18	74:00	205:00	70:00	92:00	227:00	53:00	19:00	34:00
2016-17	67:00	35:00	42:00	82:00	227:00	30:00	00:00	06:00
2015-16	50:00	50:00	68:00	91:00	187:00	27:00	12:00	05:00

# अवरोध काल

## DOWN TIME

S.M.S. - II

Unit - (Hrs. : Mts.)

Table No. 8.12 (Contd.)

PERIOD	Instru- mentation	No Slag Pot	No Ladle	DNW	Misc.	Total Down Time
APR'19	00:30	00:00	03:30	00:00	14:30	93:00
MAY	12:30	01:30	00:00	04:30	10:40	64:30
JUN	00:30	10:45	12:00	02:00	03:30	118:55
<b>1ST QTR.</b>	<b>13:30</b>	<b>12:15</b>	<b>15:30</b>	<b>06:30</b>	<b>28:40</b>	<b>276:25</b>
JULY	00:00	00:30	02:30	02:45	03:15	110:30
AUG	00:00	00:00	00:00	07:00	55:00	132:00
SEP	01:00	00:00	00:00	06:30	43:15	98:00
<b>2ND QTR.</b>	<b>01:00</b>	<b>00:30</b>	<b>02:30</b>	<b>16:15</b>	<b>101:30</b>	<b>340:30</b>
OCT	00:00	00:00	01:30	02:00	00:45	71:45
NOV	00:00	00:00	00:00	03:00	00:30	66:00
DEC	00:30	00:00	01:00	08:30	01:30	85:30
<b>3RD QTR.</b>	<b>00:30</b>	<b>00:00</b>	<b>02:30</b>	<b>13:30</b>	<b>02:45</b>	<b>223:15</b>
JAN'20	00:00	00:00	01:00	00:00	06:30	70:00
FEB	00:00	00:30	01:00	00:00	02:30	71:00
MAR	00:00	00:00	00:00	02:30	22:00	79:00
<b>4TH QTR.</b>	<b>00:00</b>	<b>00:30</b>	<b>02:00</b>	<b>02:30</b>	<b>31:00</b>	<b>220:00</b>
<b>2019-20</b>	<b>15:00</b>	<b>13:15</b>	<b>22:30</b>	<b>38:45</b>	<b>163:55</b>	<b>1060:10</b>
2018-19	01:30	22:30	42:30	27:00	251:35	1150:15
2017-18	04:00	25:00	33:00	71:00	209:00	1116:00
2016-17	08:00	00:00	02:00	21:00	290:00	810:00
2015-16	09:00	03:00	03:00	57:00	36:00	598:00

# व्यवरोध काल

## DOWN TIME

CCS

Unit - (Hrs. : Mts.)

Table No. 8.12

PERIOD	Techno-logical	Mechanical	Electrical	SMS-II	Instrumentation	DNW	Miscellaneous	Total
APR'19	21:30	02:00	02:00	00:00	00:00	00:00	08:30	34:00
MAY	00:00	02:00	01:00	08:00	00:00	00:00	00:00	11:00
JUN	31:45	03:00	00:00	01:00	01:00	03:00	00:00	39:45
<b>1ST QTR.</b>	<b>53:15</b>	<b>07:00</b>	<b>03:00</b>	<b>09:00</b>	<b>01:00</b>	<b>03:00</b>	<b>08:30</b>	<b>84:45</b>
JULY	29:00	07:15	01:30	00:00	00:00	00:00	01:00	38:45
AUG	40:00	01:00	00:00	16:00	00:00	00:00	00:00	57:00
SEP	04:00	06:00	01:30	19:00	00:25	02:35	00:00	33:30
<b>2ND QTR.</b>	<b>73:00</b>	<b>14:15</b>	<b>03:00</b>	<b>35:00</b>	<b>00:25</b>	<b>02:35</b>	<b>01:00</b>	<b>129:15</b>
OCT	03:30	07:00	00:30	03:15	00:00	00:00	00:00	14:15
NOV	09:30	03:00	00:00	03:00	00:00	03:00	00:00	18:30
DEC	12:30	02:30	00:00	02:00	00:00	04:30	00:00	21:30
<b>3RD QTR.</b>	<b>25:30</b>	<b>12:30</b>	<b>00:30</b>	<b>08:15</b>	<b>00:00</b>	<b>07:30</b>	<b>00:00</b>	<b>54:15</b>
JAN'20	10:30	04:00	02:00	00:00	00:00	00:00	03:00	19:30
FEB	12:00	19:00	04:00	18:00	00:00	00:00	03:00	56:00
MAR	14:00	06:00	04:00	39:00	00:00	05:00	00:00	68:00
<b>4TH QTR.</b>	<b>36:30</b>	<b>29:00</b>	<b>10:00</b>	<b>57:00</b>	<b>00:00</b>	<b>05:00</b>	<b>06:00</b>	<b>143:30</b>
<b>2019-20</b>	<b>188:15</b>	<b>62:45</b>	<b>16:30</b>	<b>109:15</b>	<b>01:25</b>	<b>18:05</b>	<b>15:30</b>	<b>411:45</b>
2018-19	188:15	51:14	17:00	31:37	01:00	14:17	06:00	309:23
2017-18	84:28	08:08	01:05	141:51	05:00	21:30	03:00	265:02
2016-17	09:00	04:00	05:20	269:07	00:00	08:30	00:00	295:57
2015-16	18:10	02:00	03:00	169:18	00:00	10:20	33:30	236:18

## सेवाओं की खपत CONSUMPTION OF SERVICES

S.M.S.+C.C.S.

Table No. 8.13 (Contd.)

PERIOD	Refractory (t)			Pouring Refractory (t)			Total Refractory (t)			Water (10 <sup>3</sup> m <sup>3</sup> )		
	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL
APR'19	224.7	1065.0	1289.7	0.0	0.7	0.7	224.7	1065.7	1290.4	3238	5759	8997
MAY	371.2	2507.5	2878.6	26.5	374.8	401.3	397.6	2882.3	3279.9	3348	5949	9297
JUN	650.6	1689.2	2339.8	0.0	168.7	168.7	650.6	1857.9	2508.5	3240	5760	9000
<b>1ST QTR.</b>	<b>1246.5</b>	<b>5261.7</b>	<b>6508.1</b>	<b>26.5</b>	<b>544.2</b>	<b>570.7</b>	<b>1272.9</b>	<b>5805.9</b>	<b>7078.8</b>	<b>9826</b>	<b>17468</b>	<b>27294</b>
JULY	692.5	1686.1	2378.6	13.5	84.3	97.8	706.1	1770.4	2476.4	3334	5923	9257
AUG	250.3	2179.3	2429.6	0.0	66.8	66.8	250.3	2246.1	2496.4	3338	5921	9259
SEP	95.3	1267.6	1362.9	0.0	141.3	141.3	95.3	1408.9	1504.2	3217	5765	8982
<b>2ND QTR.</b>	<b>1038.1</b>	<b>5133.0</b>	<b>6171.1</b>	<b>13.5</b>	<b>292.3</b>	<b>305.9</b>	<b>1051.6</b>	<b>5425.3</b>	<b>6477.0</b>	<b>9889</b>	<b>17609</b>	<b>27498</b>
OCT	232.6	2417.0	2649.6	12.0	173.2	185.2	244.6	2590.2	2834.8	3342	5855	9197
NOV	22.5	1272.5	1295.0	1.3	76.1	77.5	23.8	1348.6	1372.4	3210	5750	8960
DEC	258.2	1282.5	1540.7	0.0	25.5	25.5	258.2	1308.0	1566.2	3310	5790	9100
<b>3RD QTR.</b>	<b>513.3</b>	<b>4972.0</b>	<b>5485.3</b>	<b>13.3</b>	<b>274.8</b>	<b>288.1</b>	<b>526.6</b>	<b>5246.8</b>	<b>5773.4</b>	<b>9862</b>	<b>17395</b>	<b>27257</b>
JAN'20	417.5	1334.5	1752.0	0.0	84.7	84.7	417.5	1419.2	1836.7	3315	5768	9083
FEB	111.3	1485.6	1596.9	0.0	176.9	176.9	111.3	1662.5	1773.8	3105	5503	8608
MAR	143.8	1405.5	1549.3	0.0	60.7	60.7	143.8	1466.2	1610.0	3340	5870	9210
<b>4TH QTR.</b>	<b>672.6</b>	<b>4225.6</b>	<b>4898.2</b>	<b>0.0</b>	<b>322.3</b>	<b>322.3</b>	<b>672.6</b>	<b>4547.9</b>	<b>5220.5</b>	<b>9760</b>	<b>17141</b>	<b>26901</b>
<b>2019-20</b>	<b>3470.5</b>	<b>19592.3</b>	<b>23062.7</b>	<b>53.3</b>	<b>1433.6</b>	<b>1486.9</b>	<b>3523.8</b>	<b>21025.9</b>	<b>24549.6</b>	<b>39337</b>	<b>69613</b>	<b>108950</b>
2018-19	3952.1	21518.1	25470.2	39.3	1032.3	1071.5	3991.4	22550.4	26541.8	39332	69861	109193
2017-18	3320.0	21436.0	24756.0	69.6	1225.0	1294.6	3389.6	22661.0	26050.6	38682	72873	111555
2016-17	2448.2	17985.7	20434.0	36.9	1131.5	1168.4	2485.2	19117.2	21602.4	33321	75665	108986
2015-16	4450.5	16580.4	21030.8	119.7	962.6	1082.3	4570.2	17543.0	22113.1	37252	76683	113935

**सेवाओं की खपत**  
**CONSUMPTION OF SERVICES**

Table No. 8.13

**S.M.S. + C.C.S.**

PERIOD	Electricity (MWH)			C.O. Gas (10 <sup>3</sup> m <sup>3</sup> )			Steam (t)	Ingot Mould (t)	Bottom Plate (t)
	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL			
APR'19	3153.6	14367.4	17521.0	936	3110	4046	16199	1226.27	1580.00
MAY	3332.6	13823.7	17156.3	930	2789	3719	15811	1592.65	1830.00
JUN	2993.0	14142.2	17135.2	900	2412	3312	16387	1421.20	1710.00
<b>1ST QTR.</b>	<b>9479.2</b>	<b>42333.3</b>	<b>51812.5</b>	<b>2766</b>	<b>8311</b>	<b>11077</b>	<b>48397</b>	<b>4240.12</b>	<b>5120.00</b>
JULY	2787.7	15987.9	18775.6	967	2418	3385	17828	1294.98	1410.00
AUG	3019.9	13784.0	16803.9	1042	2381	3423	18777	1702.00	1810.00
SEP	2764.0	13496.7	16260.7	1008	2304	3312	18229	491.44	670.00
<b>2ND QTR.</b>	<b>8571.6</b>	<b>43268.6</b>	<b>51840.2</b>	<b>3017</b>	<b>7103</b>	<b>10120</b>	<b>54834</b>	<b>3488.42</b>	<b>3890.00</b>
OCT	2622.7	14553.0	17175.7	1042	2381	3423	19625	590.17	730.00
NOV	2263.5	14941.7	17205.2	936	2232	3168	14261	251.84	230.00
DEC	2100.3	14989.9	17090.2	260	2232	2492	14952	104.80	230.00
<b>3RD QTR.</b>	<b>6986.5</b>	<b>44484.6</b>	<b>51471.1</b>	<b>2238</b>	<b>6845</b>	<b>9083</b>	<b>48838</b>	<b>946.81</b>	<b>1190.00</b>
JAN'20	1793.5	16308.0	18101.5	223	2083	2306	16478	455.36	900.00
FEB	1719.7	13906.7	15626.4	209	1949	2158	14202	1057.77	1020.00
MAR	1973.7	14644.4	16618.1	260	2172	2432	14845	1412.33	1510.00
<b>4TH QTR.</b>	<b>5486.9</b>	<b>44859.1</b>	<b>50346.0</b>	<b>692</b>	<b>6204</b>	<b>6896</b>	<b>45525</b>	<b>2925.46</b>	<b>3430.00</b>
<b>2019-20</b>	<b>30524.2</b>	<b>174945.6</b>	<b>205469.8</b>	<b>8713</b>	<b>28463</b>	<b>37176</b>	<b>197594</b>	<b>11600.81</b>	<b>13630.00</b>
2018-19	30862.6	170542.8	201405.4	10325	30549	40874	167869	12958.34	15750.00
2017-18	33953.9	155502.2	189456.1	4702	31253	35955	204038	15428.38	17640.00
2016-17	23331.0	170163.8	193494.8	3627	24124	27751	222846	6146.46	6190.00
2015-16	40176.0	173932.1	214108.1	10170	23408	33578	229196	17722.69	20082.00



भोपाओं की खपत दर  
CONSUMPTION RATE OF SERVICES

Table No. 8.14 (Contd.)

S.M.S. + C.C.S. PERIOD	Unit - Per Tonne of Crude Steel								
	Refractory (Kg)			Water ( m <sup>3</sup> )			Electricity (KWH)		
	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II +CCS	TOTAL
APR'19	5.1	3.8	3.9	74.2	20.3	27.5	72.2	50.6	53.5
MAY	7.2	11.2	10.5	61.0	23.1	29.7	60.7	53.6	54.9
JUN	14.0	6.8	7.9	69.9	21.2	28.3	64.5	52.1	53.9
<b>1ST QTR.</b>	<b>8.8</b>	<b>7.1</b>	<b>7.4</b>	<b>67.8</b>	<b>21.5</b>	<b>28.5</b>	<b>65.4</b>	<b>52.1</b>	<b>54.1</b>
JULY	16.6	6.1	7.4	78.4	20.4	27.8	65.6	55.1	56.4
AUG	4.8	9.8	8.8	63.5	25.7	32.7	57.4	59.9	59.4
SEP	4.9	5.4	5.4	164.6	22.3	32.2	141.4	52.1	58.4
<b>2ND QTR.</b>	<b>9.2</b>	<b>7.0</b>	<b>7.2</b>	<b>86.3</b>	<b>22.6</b>	<b>30.8</b>	<b>74.8</b>	<b>55.5</b>	<b>58.0</b>
OCT	11.1	9.8	9.9	151.0	22.2	32.2	118.5	55.2	60.1
NOV	3.3	5.1	5.0	440.2	21.6	32.7	310.4	56.0	62.8
DEC	47.0	4.6	5.4	602.8	20.3	31.3	382.5	52.5	58.7
<b>3RD QTR.</b>	<b>15.1</b>	<b>6.4</b>	<b>6.8</b>	<b>282.5</b>	<b>21.3</b>	<b>32.0</b>	<b>200.1</b>	<b>54.5</b>	<b>60.5</b>
JAN'20	14.4	4.9	5.7	114.0	19.7	28.3	61.7	55.8	56.3
FEB	3.1	5.9	5.5	87.1	19.4	26.9	48.3	48.9	48.9
MAR	3.6	5.2	5.0	82.6	20.8	28.5	48.8	51.8	51.4
<b>4TH QTR.</b>	<b>6.4</b>	<b>5.3</b>	<b>5.4</b>	<b>92.8</b>	<b>19.9</b>	<b>27.9</b>	<b>52.2</b>	<b>52.2</b>	<b>52.2</b>
<b>2019-20</b>	<b>8.8</b>	<b>6.4</b>	<b>6.7</b>	<b>98.4</b>	<b>21.3</b>	<b>29.7</b>	<b>76.4</b>	<b>53.5</b>	<b>56.0</b>
2018-19	9.1	6.6	6.9	89.4	20.6	28.5	70.2	50.3	52.5
2017-18	8.1	6.9	7.1	92.6	22.2	30.2	81.3	47.5	51.3
2016-17	14.1	6.4	6.8	188.8	25.4	34.6	132.2	57.2	61.4
2015-16	8.3	6.2	6.5	68.0	27.0	33.6	73.3	61.2	63.1

# भोपाड़ों की खपत दर CONSUMPTION RATE OF SERVICES

S.M.S. + C.C.S.

Unit - Per Tonne of Crude Steel

Table No.8.14

PERIOD	C.O. Gas (m <sup>3</sup> )			Oxygen (m <sup>3</sup> )		Steam (Kg)	On Net Ingot Steel		
	SMS-I	SMS-II +CCS	TOTAL	SMS-I	SMS-II		Ingot Mould (Kg)	Bottom Plate (Kg)	Total (Kg)
APR'19	21.4	11.0	12.4	60.5	58.0	49.5	28.09	36.20	64.29
MAY	17.0	10.8	11.9	60.0	57.4	50.6	29.03	33.36	62.39
JUN	19.4	8.9	10.4	60.5	58.2	51.6	30.65	36.87	67.52
<b>1ST QTR.</b>	<b>19.1</b>	<b>10.2</b>	<b>11.6</b>	<b>60.3</b>	<b>57.9</b>	<b>50.5</b>	<b>29.27</b>	<b>35.34</b>	<b>64.60</b>
JULY	22.7	8.3	10.2	60.4	55.9	53.6	30.46	33.16	63.62
AUG	19.8	10.3	12.1	60.0	55.5	66.4	32.38	34.43	66.81
SEP	51.6	8.9	11.9	60.5	55.0	65.4	25.15	34.29	59.44
<b>2ND QTR.</b>	<b>26.3</b>	<b>9.1</b>	<b>11.3</b>	<b>60.3</b>	<b>55.5</b>	<b>61.3</b>	<b>30.43</b>	<b>33.94</b>	<b>64.37</b>
OCT	47.1	9.0	12.0	60.2	54.5	68.6	26.67	32.99	59.66
NOV	128.4	8.4	11.6	60.7	53.8	52.1	34.54	31.54	66.08
DEC	47.4	7.8	8.6	60.7	55.7	51.4	19.09	41.89	60.97
<b>3RD QTR.</b>	<b>64.1</b>	<b>8.4</b>	<b>10.7</b>	<b>60.5</b>	<b>54.7</b>	<b>57.4</b>	<b>27.12</b>	<b>34.09</b>	<b>61.21</b>
JAN'20	7.7	7.1	7.2	61.0	55.4	51.3	15.66	30.95	46.62
FEB	5.9	6.9	6.7	60.7	55.4	44.4	29.68	28.62	58.31
MAR	6.4	7.7	7.5	59.8	55.9	45.9	34.92	37.33	72.25
<b>4TH QTR.</b>	<b>6.6</b>	<b>7.2</b>	<b>7.2</b>	<b>60.5</b>	<b>55.6</b>	<b>47.2</b>	<b>27.82</b>	<b>32.62</b>	<b>60.44</b>
<b>2019-20</b>	<b>21.8</b>	<b>8.7</b>	<b>10.1</b>	<b>60.4</b>	<b>55.9</b>	<b>53.9</b>	<b>29.03</b>	<b>34.11</b>	<b>63.14</b>
2018-19	23.5	9.0	10.7	60.3	56.1	43.8	29.47	35.81	65.28
2017-18	11.3	9.5	9.7	60.2	56.0	55.2	36.92	42.21	79.13
2016-17	20.5	8.1	8.8	60.2	56.5	70.7	34.82	35.06	69.88
2015-16	18.6	8.2	9.9	60.3	56.8	67.6	32.34	36.64	68.98

**SLABBING MILL**

# सारांश SUMMARY



## SLABBING MILL

Unit - Tonne

Table No. 9.1

Sl. No.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16	Sl. No.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1.</b>	<b>INGOT CHARGED</b>						<b>7.</b>	<b>QUALITY WISE INPUT</b>					
	Cold	87363	79812	59995	40280	93914		Semi-Killed	396328	404620	383216	182647	547428
	Hot	324375	324808	323221	142926	453670		Killed	15410	0	0	559	156
	<b>Total</b>	<b>411738</b>	<b>404620</b>	<b>383216</b>	<b>183206</b>	<b>547584</b>		<b>Total</b>	<b>411738</b>	<b>404620</b>	<b>383216</b>	<b>183206</b>	<b>547584</b>
<b>2.</b>	<b>INGOT ROLLED</b>	411738	404620	383216	183206	547584	<b>8.</b>	<b>QUALITY WISE OUTPUT</b>					
								Semi-Killed	345992	353235	334546	159426	477884
<b>3.</b>	<b>ROLLED SLAB</b>	359445	353235	334546	159985	478040		Killed	13453	0	0	559	156
								<b>Total</b>	<b>359445</b>	<b>353235</b>	<b>334546</b>	<b>159985</b>	<b>478040</b>
<b>4.</b>	<b>WORKING HOURS</b>						<b>9.</b>	<b>YIELD %</b>					
	(Hrs : Mts.)	1918:15	1969:38	2025:14	960:55	2500:59		Semi-Killed	87.3	87.3	87.3	87.3	87.3
<b>5.</b>	<b>ROLLING RATE (T/Hr)</b>							Killed	87.3	-	-	100.0	100.0
	Ingot Rolled	214.6	205.4	189.2	190.7	218.9		<b>Total</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>
<b>6.</b>	<b>PRODUCTION RATE (T/Hr)</b>						<b>10.</b>	<b>TRACK TIME</b>					
	Prodn.of Slab	187.4	179.3	165.2	166.5	191.1		(Hrs : Mts.)	4:16	4:25	4:39	4:24	4:55

भूलेष उतूडरुन  
PRODUCTION OF SLAB

SLABBING MILL

Table No. 9.2

PERIOD	INGOT CHARGED						INGOT ROLLED		ROLLED SLAB		ARISING OF	
	Cold		Hot		Total		Nos.	Tonne	Nos.	Tonne	Scrap Tonne	Scale Tonne
	Nos.	Tonne	Nos.	Tonne	Nos.	Tonne						
APR'19	424	9893	1452	33890	1876	43783	1876	43783	1876	38223	4465	1095
MAY	348	8280	2157	51315	2505	59595	2505	59595	2505	52026	6079	1490
JUN	298	6983	1868	43748	2166	50731	2166	50731	2166	44288	5175	1268
<b>1ST QTR</b>	<b>1070</b>	<b>25156</b>	<b>5477</b>	<b>128953</b>	<b>6547</b>	<b>154109</b>	<b>6547</b>	<b>154109</b>	<b>6547</b>	<b>134537</b>	<b>15719</b>	<b>3853</b>
JUL	398	9239	1631	37856	2029	47095	2029	47095	2029	41114	4929	1052
AUG	204	5101	1233	30825	1437	35926	1437	35926	1437	31363	3789	774
SEP	771	20025	675	17536	1446	37561	1446	37561	1446	32790	3933	838
<b>2ND QTR</b>	<b>1373</b>	<b>34365</b>	<b>3539</b>	<b>86217</b>	<b>4912</b>	<b>120582</b>	<b>4912</b>	<b>120582</b>	<b>4912</b>	<b>105267</b>	<b>12651</b>	<b>2664</b>
OCT	275	6991	756	19225	1031	26216	1031	26216	1031	22887	2708	621
NOV	153	3958	137	3544	290	7502	290	7502	290	6549	765	188
DEC	181	4509	145	3614	326	8123	326	8123	326	7091	829	203
<b>3RD QTR</b>	<b>609</b>	<b>15458</b>	<b>1038</b>	<b>26383</b>	<b>1647</b>	<b>41841</b>	<b>1647</b>	<b>41841</b>	<b>1647</b>	<b>36527</b>	<b>4302</b>	<b>1012</b>
JAN'20	89	2138	1011	24304	1100	26442	1100	26442	1100	23084	2697	661
FEB	240	5917	1095	26970	1335	32887	1335	32887	1335	28710	3355	822
MAR	176	4329	1284	31548	1460	35877	1460	35877	1460	31320	3660	897
<b>4TH QTR</b>	<b>505</b>	<b>12384</b>	<b>3390</b>	<b>82822</b>	<b>3895</b>	<b>95206</b>	<b>3895</b>	<b>95206</b>	<b>3895</b>	<b>83114</b>	<b>9712</b>	<b>2380</b>
<b>2019-20</b>	<b>3557</b>	<b>87363</b>	<b>13444</b>	<b>324375</b>	<b>17001</b>	<b>411738</b>	<b>17001</b>	<b>411738</b>	<b>17001</b>	<b>359445</b>	<b>42384</b>	<b>9909</b>
2018-19	3470	79812	14068	324808	17538	404620	17538	404620	17538	353235	41271	10114
2017-18	2604	59995	13947	323221	16551	383216	16551	383216	16551	334546	39089	9581
2016-17	1819	40280	6306	142926	8125	183206	8125	183206	8125	159985	18654	4567
2015-16	4237	93914	20775	453670	25012	547584	25012	547584	25012	478040	55854	13690

गुणवार खलिलत पिण्ड/ उत्पादित ब्लैक  
**QUALITYWISE INGOT ROLLED/SLAB PRODUCED**

**SLABBING MILL**

Table No. 9.3

PERIOD	INGOT ROLLED						SLAB PRODUCED					
	NUMBERS			TONNE			NUMBERS			TONNE		
	SK	K	Total	SK	K	Total	SK	K	Total	SK	K	Total
APR'19	1876	0	1876	43783	0	43783	1876	0	1876	38223	0	38223
MAY	2505	0	2505	59595	0	59595	2505	0	2505	52026	0	52026
JUN	2166	0	2166	50731	0	50731	2166	0	2166	44288	0	44288
<b>1ST QTR</b>	<b>6547</b>	<b>0</b>	<b>6547</b>	<b>154109</b>	<b>0</b>	<b>154109</b>	<b>6547</b>	<b>0</b>	<b>6547</b>	<b>134537</b>	<b>0</b>	<b>134537</b>
JUL	1824	205	2029	42075	5020	47095	1824	205	2029	36731	4383	41114
AUG	1245	192	1437	30952	4974	35926	1245	192	1437	27021	4342	31363
SEP	1285	161	1446	33525	4036	37561	1285	161	1446	29267	3523	32790
<b>2ND QTR</b>	<b>4354</b>	<b>558</b>	<b>4912</b>	<b>106552</b>	<b>14030</b>	<b>120582</b>	<b>4354</b>	<b>558</b>	<b>4912</b>	<b>93019</b>	<b>12248</b>	<b>105267</b>
OCT	976	55	1031	24836	1380	26216	976	55	1031	21682	1205	22887
NOV	290	0	290	7502	0	7502	290	0	290	6549	0	6549
DEC	326	0	326	8123	0	8123	326	0	326	7091	0	7091
<b>3RD QTR</b>	<b>1592</b>	<b>55</b>	<b>1647</b>	<b>40461</b>	<b>1380</b>	<b>41841</b>	<b>1592</b>	<b>55</b>	<b>1647</b>	<b>35322</b>	<b>1205</b>	<b>36527</b>
JAN'20	1100	0	1100	26442	0	26442	1100	0	1100	23084	0	23084
FEB	1335	0	1335	32887	0	32887	1335	0	1335	28710	0	28710
MAR	1460	0	1460	35877	0	35877	1460	0	1460	31320	0	31320
<b>4TH QTR</b>	<b>3895</b>	<b>0</b>	<b>3895</b>	<b>95206</b>	<b>0</b>	<b>95206</b>	<b>3895</b>	<b>0</b>	<b>3895</b>	<b>83114</b>	<b>0</b>	<b>83114</b>
<b>2019-20</b>	<b>16388</b>	<b>613</b>	<b>17001</b>	<b>396328</b>	<b>15410</b>	<b>411738</b>	<b>16388</b>	<b>613</b>	<b>17001</b>	<b>345992</b>	<b>13453</b>	<b>359445</b>
2018-19	17538	0	17538	404620	0	404620	17538	0	17538	353235	0	353235
2017-18	16551	0	16551	383216	0	383216	16551	0	16551	334546	0	334546
2016-17	8090	35	8125	182647	559	183206	8090	35	8125	159426	559	159985
2015-16	24997	15	25012	547428	156	547584	24997	15	25012	477884	156	478040

परिचालनीय विवरण  
OPERATIONAL DETAILS

## SLABBING MILL

Table No. 9.4

PERIOD	SOAKING PIT			Cold Charging (%)	YIELD (%)			TRACK TIME (Hrs:Mts)			SCARFING (T)	
	Available (No.)	Availability (%)	Utilisation (%)		Semi Killed	Killed	Total	Delivery Time	Charging Time	Total	Manual	Machine
APR'19	12.00	37.5	85	22.6	87.3	-	87.3	4:06	0:20	4:26	29260.0	42782.2
MAY	13.00	40.6	85	13.9	87.3	-	87.3	3:51	0:18	4:09	40489.0	52433.2
JUN	14.00	43.8	85	13.8	87.3	-	87.3	3:44	0:18	4:02	32243.0	47238.1
<b>1ST QTR</b>	<b>13.00</b>	<b>40.6</b>	<b>85</b>	<b>16.3</b>	<b>87.3</b>	<b>-</b>	<b>87.3</b>	<b>3:53</b>	<b>0:18</b>	<b>4:12</b>	<b>101992.0</b>	<b>142453.5</b>
JUL	13.00	40.6	85	19.6	87.3	87.3	87.3	3:51	0:18	4:09	34352.0	41708.4
AUG	13.00	40.6	85	14.2	87.3	87.3	87.3	3:59	0:24	4:23	26505.0	14450.0
SEP	13.00	40.6	85	53.3	87.3	87.3	87.3	3:59	0:27	4:26	21698.0	35332.8
<b>2ND QTR</b>	<b>13.00</b>	<b>40.6</b>	<b>85</b>	<b>28.5</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>	<b>3:56</b>	<b>0:23</b>	<b>4:19</b>	<b>82555.0</b>	<b>91491.2</b>
OCT	9.00	28.1	85	26.7	87.3	87.3	87.3	3:55	0:19	4:14	15276.0	26116.6
NOV	9.00	28.1	85	52.8	87.3	-	87.3	3:54	0:24	4:18	10545.0	7502.3
DEC	10.00	31.3	85	55.5	87.3	-	87.3	3:52	0:15	4:07	7619.0	8123.9
<b>3RD QTR</b>	<b>9.33</b>	<b>29.2</b>	<b>85</b>	<b>36.9</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>	<b>3:53</b>	<b>0:19</b>	<b>4:13</b>	<b>33440.0</b>	<b>41742.8</b>
JAN'20	12.00	37.5	85	8.1	87.3	-	87.3	4:04	0:15	4:19	17727.0	25097.8
FEB	13.00	40.6	85	18.0	87.3	-	87.3	4:02	0:19	4:21	22876.0	29851.6
MAR	13.00	40.6	85	12.1	87.3	-	87.3	3:56	0:23	4:19	27094.0	33931.2
<b>4TH QTR</b>	<b>12.67</b>	<b>39.6</b>	<b>85</b>	<b>13.0</b>	<b>87.3</b>	<b>-</b>	<b>87.3</b>	<b>4:00</b>	<b>0:19</b>	<b>4:19</b>	<b>67697.0</b>	<b>88880.6</b>
<b>2019-20</b>	<b>12.00</b>	<b>37.5</b>	<b>85</b>	<b>21.2</b>	<b>87.3</b>	<b>87.3</b>	<b>87.3</b>	<b>3:56</b>	<b>0:20</b>	<b>4:16</b>	<b>285684.0</b>	<b>364568.1</b>
2018-19	10.42	32.6	85	19.7	87.3	-	87.3	4:05	0:20	4:25	313804.0	376846.6
2017-18	11.00	34.4	85	15.7	87.3	-	87.3	4:19	0:20	4:39	262466.0	375815.0
2016-17	9.58	29.9	85	22.0	87.3	100.0	87.3	4:08	0:16	4:24	169292.9	179021.6
2015-16	15.21	47.5	85	17.2	87.3	100.0	87.3	4:28	0:27	4:55	386702.9	531573.0

मिल प्राप्यता, उपयोग एवं रोलिंग दर  
MILL AVAILABILITY , UTILISATION & ROLLING RATE

## SLABBING MILL

Unit - ( Hrs : Mts )

Table No. 9.5

PERIOD	Calender Hours	Schedule Shut Down	Available Hours	Total Delays	Working Hours	Availability Against Cal. Hrs.(%)	Utilisation Against Avl.Hrs.(%)	ROLLING RATE	
								Ingot Rolled T/Hr	Slab Made T/Hr
APR'19	720:00	21:20	698:40	491:19	207:21	97.0	29.7	211.2	184.3
MAY	744:00	10:00	734:00	456:14	277:46	98.7	37.8	214.6	187.3
JUN	720:00	43:00	677:00	430:03	246:57	94.0	36.5	205.4	179.3
<b>1ST QTR</b>	<b>2184:00</b>	<b>74:20</b>	<b>2109:40</b>	<b>1377:36</b>	<b>732:04</b>	<b>96.6</b>	<b>34.7</b>	<b>210.5</b>	<b>183.8</b>
JUL	744:00	40:00	704:00	478:49	225:11	94.6	32.0	209.1	182.6
AUG	744:00	39:00	705:00	546:20	158:40	94.8	22.5	226.4	197.7
SEP	720:00	33:45	686:15	521:18	164:57	95.3	24.0	227.7	198.8
<b>2ND QTR</b>	<b>2208:00</b>	<b>112:45</b>	<b>2095:15</b>	<b>1546:27</b>	<b>548:48</b>	<b>94.9</b>	<b>26.2</b>	<b>219.7</b>	<b>191.8</b>
OCT	744:00	12:00	732:00	616:10	115:50	98.4	15.8	226.3	197.6
NOV	720:00	00:00	720:00	690:37	29:23	100.0	4.1	255.3	222.9
DEC	744:00	00:00	744:00	706:30	37:30	100.0	5.0	216.6	189.1
<b>3RD QTR</b>	<b>2208:00</b>	<b>12:00</b>	<b>2196:00</b>	<b>2013:17</b>	<b>182:43</b>	<b>99.5</b>	<b>8.3</b>	<b>229.0</b>	<b>199.9</b>
JAN'20	744:00	00:00	744:00	614:10	129:50	100.0	17.5	203.7	177.8
FEB	696:00	26:30	669:30	508:50	160:40	96.2	24.0	204.7	178.7
MAR	744:00	00:00	744:00	579:50	164:10	100.0	22.1	218.5	190.8
<b>4TH QTR</b>	<b>2184:00</b>	<b>26:30</b>	<b>2157:30</b>	<b>1702:50</b>	<b>454:40</b>	<b>98.8</b>	<b>21.1</b>	<b>209.4</b>	<b>182.8</b>
<b>2019-20</b>	<b>8784:00</b>	<b>225:35</b>	<b>8558:25</b>	<b>6640:10</b>	<b>1918:15</b>	<b>97.4</b>	<b>22.4</b>	<b>214.6</b>	<b>187.4</b>
2018-19	8760:00	272:55	8487:05	6517:27	1969:38	96.9	23.2	205.4	179.3
2017-18	8760:00	135:20	8624:40	6599:26	2025:14	98.5	23.5	189.2	165.2
2016-17	8760:00	248:40	8511:20	7550:25	960:55	97.2	11.3	190.7	166.5
2015-16	8784:00	369:20	8414:40	5913:41	2500:59	95.8	29.7	218.9	191.1



विलम्बन विभाजन  
BREAK-UP OF DELAYS

## SLABBING MILL

Unit - (Hrs. : Mts.)

Table No. 9.6

PERIOD	Mecha- nical	Elect- rical	Ready Metal		SMS-I	Heat Delay	ACVS	Traffic	Shortage of Gas	Shortage of Power	WMD	Others	Total
			Opera- tional	not Avl. for Rolling									
APR'19	2:00	4:30	0:00	473:24	0:00	0:00	0:00	0:00	0:30	1:55	0:00	9:00	491:19
MAY	0:00	6:00	0:00	428:14	0:00	0:00	0:00	4:20	0:00	0:00	3:05	14:35	456:14
JUN	11:40	3:30	0:00	408:08	0:00	0:00	0:00	0:00	1:00	0:00	0:00	5:45	430:03
<b>1ST QTR</b>	<b>13:40</b>	<b>14:00</b>	<b>0:00</b>	<b>1309:46</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>4:20</b>	<b>1:30</b>	<b>1:55</b>	<b>3:05</b>	<b>29:20</b>	<b>1377:36</b>
JUL	0:00	5:20	1:00	464:14	0:00	0:00	0:00	0:00	1:05	0:00	0:00	7:10	478:49
AUG	0:00	0:00	0:00	347:55	0:00	0:00	0:00	0:00	5:25	0:00	0:00	193:00	546:20
SEP	0:00	36:45	0:00	468:43	0:00	0:00	0:00	0:00	5:50	0:00	10:00	0:00	521:18
<b>2ND QTR</b>	<b>0:00</b>	<b>42:05</b>	<b>1:00</b>	<b>1280:52</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>12:20</b>	<b>0:00</b>	<b>10:00</b>	<b>200:10</b>	<b>1546:27</b>
OCT	9:00	3:00	0:00	507:42	93:58	0:00	0:00	0:00	2:30	0:00	0:00	0:00	616:10
NOV	0:00	0:00	0:00	408:44	281:53	0:00	0:00	0:00	0:00	0:00	0:00	0:00	690:37
DEC	0:00	0:00	0:00	330:30	376:00	0:00	0:00	0:00	0:00	0:00	0:00	0:00	706:30
<b>3RD QTR</b>	<b>9:00</b>	<b>3:00</b>	<b>0:00</b>	<b>1246:56</b>	<b>751:51</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>2:30</b>	<b>0:00</b>	<b>0:00</b>	<b>0:00</b>	<b>2013:17</b>
JAN'20	0:00	0:00	0:00	569:35	42:05	0:00	0:00	0:00	2:30	0:00	0:00	0:00	614:10
FEB	37:15	8:00	0:00	441:25	0:00	0:00	0:00	14:20	7:50	0:00	0:00	0:00	508:50
MAR	28:45	0:00	0:00	534:15	0:00	0:00	0:00	0:00	4:40	12:10	0:00	0:00	579:50
<b>4TH QTR</b>	<b>66:00</b>	<b>8:00</b>	<b>0:00</b>	<b>1545:15</b>	<b>42:05</b>	<b>0:00</b>	<b>0:00</b>	<b>14:20</b>	<b>15:00</b>	<b>12:10</b>	<b>0:00</b>	<b>0:00</b>	<b>1702:50</b>
<b>2019-20</b>	<b>88:40</b>	<b>67:05</b>	<b>01:00</b>	<b>5382:49</b>	<b>793:56</b>	<b>00:00</b>	<b>00:00</b>	<b>18:40</b>	<b>31:20</b>	<b>14:05</b>	<b>13:05</b>	<b>229:30</b>	<b>6640:10</b>
2018-19	58:40	41:50	00:00	5591:17	54:00	00:00	00:00	02:00	156:52	526:38	57:15	28:55	6517:27
2017-18	31:05	49:00	00:00	4800:25	360:51	00:00	08:40	01:00	1284:15	34:15	14:35	15:20	6599:26
2016-17	13:14	11:00	03:50	2036:31	3673:39	00:00	00:00	01:05	242:23	40:10	1519:53	08:40	7550:25
2015-16	163:44	45:43	11:20	4083:56	516:12	187:39	11:39	25:33	804:25	29:35	00:00	33:55	5913:41

## सेवाओं की खपत CONSUMPTION OF SERVICES

## SLABBING MILL

Table No. 9.7

PERIOD	TOTAL					PER TONNE OF INGOT ROLLED						Electricity per tonne of Slab produced (KWH)
	Electri- city (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )	B.F. Gas (10 <sup>3</sup> m <sup>3</sup> )	C.O. Gas (10 <sup>3</sup> m <sup>3</sup> )	Refrac- tory (t)	Electri- city (KWH)	Water ( m <sup>3</sup> )	B.F. Gas ( m <sup>3</sup> )	C.O. Gas ( m <sup>3</sup> )	Refrac- tory ( kg )	Heat (10 <sup>6</sup> KCal)	
APR'19	2320.6	1870	14400	3885	507.6	53.0	42.7	328.9	88.7	11.6	0.664	60.7
MAY	2446.4	1935	20131	5407	298.9	41.1	32.5	337.8	90.7	5.0	0.679	47.0
JUN	2410.9	1872	16932	4774	259.3	47.5	36.9	333.8	94.1	5.1	0.694	54.4
<b>1ST QTR</b>	<b>7177.9</b>	<b>5677</b>	<b>51463</b>	<b>14066</b>	<b>1065.7</b>	<b>46.6</b>	<b>36.8</b>	<b>333.9</b>	<b>91.3</b>	<b>6.9</b>	<b>0.680</b>	<b>53.4</b>
JUL	2590.9	1932	15876	4549	238.3	55.0	41.0	337.1	96.6	5.1	0.710	63.0
AUG	2554.0	1880	12552	3606	190.4	71.1	52.3	349.4	100.4	5.3	0.734	81.4
SEP	2229.9	1880	13264	3750	257.2	59.4	50.1	353.1	99.8	6.8	0.737	68.0
<b>2ND QTR</b>	<b>7374.8</b>	<b>5692</b>	<b>41692</b>	<b>11905</b>	<b>685.9</b>	<b>61.2</b>	<b>47.2</b>	<b>345.8</b>	<b>98.7</b>	<b>5.7</b>	<b>0.725</b>	<b>70.1</b>
OCT	1840.8	1853	9716	2673	118.0	70.2	70.7	370.6	102.0	4.5	0.749	80.4
NOV	1438.0	1861	3939	461	136.4	191.7	248.1	525.1	61.5	18.2	0.736	219.6
DEC	1367.4	1862	4379	468	43.1	168.3	229.2	539.1	57.6	5.3	0.731	192.8
<b>3RD QTR</b>	<b>4646.2</b>	<b>5576</b>	<b>18034</b>	<b>3602</b>	<b>297.5</b>	<b>111.0</b>	<b>133.3</b>	<b>431.0</b>	<b>86.1</b>	<b>7.1</b>	<b>0.745</b>	<b>127.2</b>
JAN'20	1702.8	1840	13457	1674	49.5	64.4	69.6	508.9	63.3	1.9	0.713	73.8
FEB	1664.5	1807	16512	2130	44.1	50.6	54.9	502.1	64.8	1.3	0.709	58.0
MAR	1690.3	1910	17772	2385	38.0	47.1	53.2	495.4	66.5	1.1	0.704	54.0
<b>4TH QTR</b>	<b>5057.6</b>	<b>5557</b>	<b>47741</b>	<b>6189</b>	<b>131.6</b>	<b>53.1</b>	<b>58.4</b>	<b>501.4</b>	<b>65.0</b>	<b>1.4</b>	<b>0.709</b>	<b>60.9</b>
<b>2019-20</b>	<b>24256.5</b>	<b>22502</b>	<b>158930</b>	<b>35762</b>	<b>2180.7</b>	<b>58.9</b>	<b>54.7</b>	<b>386.0</b>	<b>86.9</b>	<b>5.3</b>	<b>0.706</b>	<b>67.5</b>
2018-19	27037.0	22688	171391	30759	1819.4	66.8	56.1	423.6	76.0	4.5	0.689	76.5
2017-18	26080.3	23423	267119	16744	1238.3	68.1	61.1	697.0	43.7	3.2	0.797	78.0
2016-17	18381.5	28970	105681	9556	1270.7	100.3	158.1	576.8	52.2	6.9	0.689	114.9
2015-16	31789.2	37878	220861	40022	2494.8	58.1	69.2	403.3	73.1	4.6	0.519	66.5

**HOT STRIP MILL**

## आंश SUMMARY

## HOT STRIP MILL

Unit - Tonne

Table No. 10.1

SI.No.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16	SI.No.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16
1.	<b>INPUT</b>	3607366	3846193	3712120	3458646	2597973	4.	<b>QUALITY WISE INPUT</b>					
								Semi-Killed	292913	347394	303794	168424	297015
								Killed	3314453	3498799	3408326	3290222	2300958
2.	<b>OUT PUT</b>							<b>Total</b>	<b>3607366</b>	<b>3846193</b>	<b>3712120</b>	<b>3458646</b>	<b>2597973</b>
	HR Coil for :						5.	<b>QUALITY WISE OUTPUT</b>					
	Sale	1948330	1965553	1936990	1851650	1576379		Semi-Killed	282954	335576	293465	162981	286619
	HRCF	446759	505559	481953	548765	436044		Killed	3201762	3379846	3292443	3178070	2220424
	CRM	1061908	1214991	1137283	911351	471899		<b>Total</b>	<b>3484716</b>	<b>3715422</b>	<b>3585908</b>	<b>3341051</b>	<b>2507043</b>
	<b>Total</b>	<b>3456997</b>	<b>3686103</b>	<b>3556226</b>	<b>3311766</b>	<b>2484322</b>	6.	<b>ROLLING RATE(T/Hr)</b>					
	Thick Plate	27719	29319	29682	29285	22721		Slab Rolled	629.7	632.4	631.6	601.0	581.9
	<b>HR Coil + TP</b>	<b>3484716</b>	<b>3715422</b>	<b>3585908</b>	<b>3341051</b>	<b>2507043</b>	7.	<b>PRODUCTION RATE(T/Hr)</b>					
3.	<b>YIELD %</b>	96.6	96.6	96.6	96.6	96.5		HR Coils + TP	608.3	610.9	610.2	580.6	561.6

तप्त खलित कुण्डली एवं मोटी पट्टिका का उत्पादन  
PRODUCTION OF H.R. COIL & THICK PLATE

HOT STRIP MILL		Unit - Nos.						Table No. 10.2(Contd.)	
PERIOD	INPUT	OUTPUT				Thick Plate	Total	Cobbles/ Cold Coils	
	Slab	H.R. Coils for			Total				
		Sale	HRCF	C.R.M.					
APR'19	14848	8175	2130	4413	14718	130	14848	0	
MAY	13947	7785	1490	4590	13865	82	13947	0	
JUN	14533	7825	1495	5117	14437	96	14533	0	
<b>1ST QTR</b>	<b>43328</b>	<b>23785</b>	<b>5115</b>	<b>14120</b>	<b>43020</b>	<b>308</b>	<b>43328</b>	<b>0</b>	
JUL	15019	7471	1887	5550	14908	111	15019	0	
AUG	13160	6822	1531	4701	13054	106	13160	0	
SEP	10002	5361	1186	3375	9922	80	10002	0	
<b>2ND QTR</b>	<b>38181</b>	<b>19654</b>	<b>4604</b>	<b>13626</b>	<b>37884</b>	<b>297</b>	<b>38181</b>	<b>0</b>	
OCT	13332	7464	1234	4499	13197	135	13332	0	
NOV	13619	7740	1643	4139	13522	97	13619	0	
DEC	13929	8479	1426	3919	13824	105	13929	0	
<b>3RD QTR</b>	<b>40880</b>	<b>23683</b>	<b>4303</b>	<b>12557</b>	<b>40543</b>	<b>337</b>	<b>40880</b>	<b>0</b>	
JAN'20	13910	8465	1581	3731	13777	133	13910	0	
FEB	14011	8238	1531	4163	13932	79	14011	0	
MAR	13121	7264	1759	3982	13005	116	13121	0	
<b>4TH QTR</b>	<b>41042</b>	<b>23967</b>	<b>4871</b>	<b>11876</b>	<b>40714</b>	<b>328</b>	<b>41042</b>	<b>0</b>	
<b>2019-20</b>	<b>163431</b>	<b>91089</b>	<b>18893</b>	<b>52179</b>	<b>162161</b>	<b>1270</b>	<b>163431</b>	<b>0</b>	
2018-19	174385	91757	21373	59911	173041	1344	174385	0	
2017-18	165743	89474	20732	54195	164401	1342	165743	0	
2016-17	154618	86169	23197	43942	153308	1309	154617	1	
2015-16	126259	80597	19742	24789	125128	1131	126259	0	

**तप्त धेलित कुण्डली एवं मोटी पडिटका का उत्पादन**  
**PRODUCTION OF H.R. COIL & THICK PLATE**

**HOT STRIP MILL**

Unit - Tonne

Table No. 10.2

PERIOD	INPUT	OUTPUT					Scrap			Scale	
	Slab	HR Coil for				Thick Plate	Total	Cobble/ Cold coils	Others		Total
		Sale	HRCF	C.R.M.	Total						
APR'19	329628	174397	49105	92006	315508	2913	318421	0	7251	7251	3956
MAY	303822	163390	34922	93391	291703	1789	293492	0	6684	6684	3646
JUN	316018	169727	35299	98010	303036	2237	305273	0	6953	6953	3792
<b>1ST QTR</b>	<b>949468</b>	<b>507514</b>	<b>119326</b>	<b>283407</b>	<b>910247</b>	<b>6939</b>	<b>917186</b>	<b>0</b>	<b>20888</b>	<b>20888</b>	<b>11394</b>
JUL	321826	160597	41620	106309	308526	2358	310884	0	7080	7080	3862
AUG	286709	146910	36226	91549	274685	2276	276961	0	6307	6307	3441
SEP	214939	110106	28564	67219	205889	1742	207631	0	4729	4729	2579
<b>2ND QTR</b>	<b>823474</b>	<b>417613</b>	<b>106410</b>	<b>265077</b>	<b>789100</b>	<b>6376</b>	<b>795476</b>	<b>0</b>	<b>18116</b>	<b>18116</b>	<b>9882</b>
OCT	296207	163155	29947	90133	283235	2901	286136	0	6517	6517	3554
NOV	306617	166702	40816	86613	294131	2061	296192	0	6746	6746	3679
DEC	315053	184543	35448	82038	302029	2312	304341	0	6931	6931	3781
<b>3RD QTR</b>	<b>917877</b>	<b>514400</b>	<b>106211</b>	<b>258784</b>	<b>879395</b>	<b>7274</b>	<b>886669</b>	<b>0</b>	<b>20194</b>	<b>20194</b>	<b>11014</b>
JAN'20	308237	177035	37677	80237	294949	2808	297757	0	6781	6781	3699
FEB	313385	176502	36158	88316	300976	1754	302730	0	6894	6894	3761
MAR	294925	155266	40977	86087	282330	2568	284898	0	6488	6488	3539
<b>4TH QTR</b>	<b>916547</b>	<b>508803</b>	<b>114812</b>	<b>254640</b>	<b>878255</b>	<b>7130</b>	<b>885385</b>	<b>0</b>	<b>20163</b>	<b>20163</b>	<b>10999</b>
<b>2019-20</b>	<b>3607366</b>	<b>1948330</b>	<b>446759</b>	<b>1061908</b>	<b>3456997</b>	<b>27719</b>	<b>3484716</b>	<b>0</b>	<b>79361</b>	<b>79361</b>	<b>43289</b>
2018-19	3846193	1965553	505559	1214991	3686103	29319	3715422	0	84619	84619	46152
2017-18	3712120	1936990	481953	1137283	3556226	29682	3585908	0	81666	81666	44546
2016-17	3458646	1851650	548765	911351	3311766	29285	3341051	21	76070	76091	41504
2015-16	2597973	1576379	436044	471899	2484322	22721	2507043	0	66484	66484	24446

गुणवार उत्पादन एवं लब्धि  
QUALITYWISE PRODUCTION AND YIELD

HOT STRIP MILL			Unit - Tonne				Table No. 10.3		
PERIOD	INPUT(SLAB)			OUTPUT(HR COIL + THICK PLATE)			Yield of HR Coil+ Thick Plate(%)	ROLLING RATE(T/Hr) Slab	PRDN. RATE(T/Hr) HR Coil+ T.Plane
	Semi killed	Killed	Total	Semi killed	Killed	Total			
APR'19	33365	296263	329628	32231	286190	318421	96.6	665.6	643.0
MAY	46133	257689	303822	44564	248928	293492	96.6	620.9	599.8
JUN	34537	281481	316018	33362	271911	305273	96.6	633.4	611.9
<b>1ST QTR</b>	<b>114035</b>	<b>835433</b>	<b>949468</b>	<b>110157</b>	<b>807029</b>	<b>917186</b>	<b>96.6</b>	<b>640.0</b>	<b>618.3</b>
JUL	34316	287510	321826	33150	277734	310884	96.6	629.4	608.0
AUG	29675	257034	286709	28666	248295	276961	96.6	632.0	610.5
SEP	15091	199848	214939	14578	193053	207631	96.6	609.8	589.0
<b>2ND QTR</b>	<b>79082</b>	<b>744392</b>	<b>823474</b>	<b>76394</b>	<b>719082</b>	<b>795476</b>	<b>96.6</b>	<b>625.0</b>	<b>603.8</b>
OCT	15379	280828	296207	14856	271280	286136	96.6	635.0	613.4
NOV	14464	292153	306617	13972	282220	296192	96.6	634.9	613.3
DEC	10326	304727	315053	9975	294366	304341	96.6	630.0	608.6
<b>3RD QTR</b>	<b>40169</b>	<b>877708</b>	<b>917877</b>	<b>38803</b>	<b>847866</b>	<b>886669</b>	<b>96.6</b>	<b>633.2</b>	<b>611.7</b>
JAN'20	16695	291542	308237	16127	281630	297757	96.6	619.1	598.0
FEB	22190	291195	313385	21436	281294	302730	96.6	624.8	603.5
MAR	20742	274183	294925	20037	264861	284898	96.6	616.5	595.5
<b>4TH QTR</b>	<b>59627</b>	<b>856920</b>	<b>916547</b>	<b>57600</b>	<b>827785</b>	<b>885385</b>	<b>96.6</b>	<b>620.2</b>	<b>599.1</b>
<b>2019-20</b>	<b>292913</b>	<b>3314453</b>	<b>3607366</b>	<b>282954</b>	<b>3201762</b>	<b>3484716</b>	<b>96.6</b>	<b>629.7</b>	<b>608.3</b>
2018-19	347394	3498799	3846193	335576	3379846	3715422	96.6	632.4	610.9
2017-18	303794	3408326	3712120	293465	3292443	3585908	96.6	631.6	610.2
2016-17	168424	3290222	3458646	162981	3178070	3341051	96.6	601.0	580.6
2015-16	297015	2300958	2597973	286619	2220424	2507043	96.5	581.9	561.6

कुल तप्त थेलित कुण्डली का मोटाईवार उत्पादन  
THICKNESSWISE PRODUCTION OF TOTAL H.R.COIL

HOT STRIP MILL

Unit - Tonne

Table No. 10.4

PERIOD	THICKNESS IN mm															Total
	1.2 to	2.0 to	2.4 to	2.6 to	2.7 to	3.1 to	3.5 to	3.8 to	5.0 to	6.0 to	7.0 to	8.0 to	9.0 to	11.0 to	13.0 to	
	1.97	2.38	2.55	2.67	3.08	3.48	3.77	4.95	5.98	6.98	7.92	8.9	10.9	12.75	20	
APR'19	2417	26660	25453	7293	86026	32338	18316	38597	21089	18474	6786	14638	12882	3234	1305	315508
MAY	2090	27757	29764	5317	67403	31332	27419	35624	17363	16125	6998	10455	9444	2381	2231	291703
JUN	1678	31341	28555	4172	68865	27874	25015	40692	20173	18416	5497	9681	16290	1951	2836	303036
<b>1ST QTR</b>	<b>6185</b>	<b>85758</b>	<b>83772</b>	<b>16782</b>	<b>222294</b>	<b>91544</b>	<b>70750</b>	<b>114913</b>	<b>58625</b>	<b>53015</b>	<b>19281</b>	<b>34774</b>	<b>38616</b>	<b>7566</b>	<b>6372</b>	<b>910247</b>
JUL	4031	33371	21892	4438	69247	32572	30026	39582	20135	18037	6264	11123	12395	2753	2660	308526
AUG	4299	32149	32388	3160	51028	28569	24652	35664	15755	15008	5265	11595	11854	2335	964	274685
SEP	4096	25596	23922	2536	34398	22258	19770	28134	11868	10887	3498	7964	8122	1784	1056	205889
<b>2ND QTR</b>	<b>12426</b>	<b>91116</b>	<b>78202</b>	<b>10134</b>	<b>154673</b>	<b>83399</b>	<b>74448</b>	<b>103380</b>	<b>47758</b>	<b>43932</b>	<b>15027</b>	<b>30682</b>	<b>32371</b>	<b>6872</b>	<b>4680</b>	<b>789100</b>
OCT	2464	24683	24650	3542	45177	26392	34597	43509	17075	17045	11627	11026	13082	6553	1813	283235
NOV	1015	25520	21270	5244	45844	28269	38170	48798	15117	20213	5702	16227	16689	4012	2041	294131
DEC	1027	29873	29201	2466	48729	30141	24231	48653	20466	15931	10935	13116	17234	8439	1587	302029
<b>3RD QTR</b>	<b>4506</b>	<b>80076</b>	<b>75121</b>	<b>11252</b>	<b>139750</b>	<b>84802</b>	<b>96998</b>	<b>140960</b>	<b>52658</b>	<b>53189</b>	<b>28264</b>	<b>40369</b>	<b>47005</b>	<b>19004</b>	<b>5441</b>	<b>879395</b>
JAN'20	733	25136	36623	2641	70305	34366	22079	47912	13260	12797	3244	10284	12448	2092	1029	294949
FEB	623	27111	28302	2318	65041	34035	33121	47855	15168	14905	4760	10892	14073	1645	1127	300976
MAR	124	26577	26930	2908	59293	30394	28209	48937	15565	16839	3609	9651	11547	1407	340	282330
<b>4TH QTR</b>	<b>1480</b>	<b>78824</b>	<b>91855</b>	<b>7867</b>	<b>194639</b>	<b>98795</b>	<b>83409</b>	<b>144704</b>	<b>43993</b>	<b>44541</b>	<b>11613</b>	<b>30827</b>	<b>38068</b>	<b>5144</b>	<b>2496</b>	<b>878255</b>
<b>2019-20</b>	<b>24597</b>	<b>335774</b>	<b>328950</b>	<b>46035</b>	<b>711356</b>	<b>358540</b>	<b>325605</b>	<b>503957</b>	<b>203034</b>	<b>194677</b>	<b>74185</b>	<b>136652</b>	<b>156060</b>	<b>38586</b>	<b>18989</b>	<b>3456997</b>
2018-19	37692	287356	330795	68230	872914	413872	314481	550947	237968	203790	61612	137618	137671	13646	17511	3686103
2017-18	35710	307864	347110	51762	832459	399186	295073	505261	232488	195185	61356	140452	125003	16430	10887	3556226
2016-17	20385	283226	276919	56072	767546	388739	221121	465270	221169	214614	49431	162256	149890	21749	13379	3311766
2015-16	6586	243740	223800	29400	509212	291445	126976	389120	176387	163551	43056	116899	124060	24603	15487	2484322



मिल प्राप्यता एवं उपयोग  
MILL AVAILABILITY AND UTILISATION

## HOT STRIP MILL

Unit - (Hrs. : Mts.)

Table No.10.5

PERIOD	Calender Hours	Schedule Shut Down	Available Hours	Total Delays	Working Hours	% Availability Against Cal. Hrs.	% Utilisation Against Avl. Hrs.
APR'19	720:00	53:20	666:40	171:25	495:15	92.6	74.3
MAY	744:00	38:25	705:35	216:15	489:20	94.8	69.4
JUN	720:00	35:10	684:50	185:55	498:55	95.1	72.9
<b>1ST QTR</b>	<b>2184:00</b>	<b>126:55</b>	<b>2057:05</b>	<b>573:35</b>	<b>1483:30</b>	<b>94.2</b>	<b>72.1</b>
JUL	744:00	25:10	718:50	207:30	511:20	96.6	71.1
AUG	744:00	30:40	713:20	259:40	453:40	95.9	63.6
SEP	720:00	177:00	543:00	190:30	352:30	75.4	64.9
<b>2ND QTR</b>	<b>2208:00</b>	<b>232:50</b>	<b>1975:10</b>	<b>657:40</b>	<b>1317:30</b>	<b>89.5</b>	<b>66.7</b>
OCT	744:00	07:55	736:05	269:35	466:30	98.9	63.4
NOV	720:00	28:25	691:35	208:40	482:55	96.1	69.8
DEC	744:00	34:50	709:10	209:05	500:05	95.3	70.5
<b>3RD QTR</b>	<b>2208:00</b>	<b>71:10</b>	<b>2136:50</b>	<b>687:20</b>	<b>1449:30</b>	<b>96.8</b>	<b>67.8</b>
JAN'20	744:00	26:10	717:50	219:55	497:55	96.5	69.4
FEB	696:00	29:15	666:45	165:10	501:35	95.8	75.2
MAR	744:00	43:20	700:40	222:15	478:25	94.2	68.3
<b>4TH QTR</b>	<b>2184:00</b>	<b>98:45</b>	<b>2085:15</b>	<b>607:20</b>	<b>1477:55</b>	<b>95.5</b>	<b>70.9</b>
<b>2019-20</b>	<b>8784:00</b>	<b>529:40</b>	<b>8254:20</b>	<b>2525:55</b>	<b>5728:25</b>	<b>94.0</b>	<b>69.4</b>
2018-19	8760:00	479:10	8280:50	2198:50	6082:00	94.5	73.4
2017-18	8760:00	499:50	8260:10	2383:05	5877:05	94.3	71.1
2016-17	8760:00	310:25	8449:35	2695:00	5754:35	96.5	68.1
2015-16	8784:00	2210:55	6573:05	2108:45	4464:20	74.8	67.9

विलम्बन विभाजन  
BREAK UP OF DELAYS

HOT STRIP MILL

UNIT-(Hrs. :Mts.)

Table No. 10.6

PERIOD	Operational	Mechanical	Electrical	Sch. Roll Changing	RGBS	Slabbing Mill	CCD	Shortage of Power	Shortage Of Gas	HRCF	Inspection	WMD	Others	Total
APR'19	09:35	25:55	35:55	41:30	07:05	01:15	01:45	01:20	00:00	11:55	00:00	11:15	23:55	171:25
MAY	17:55	32:35	24:20	49:40	05:10	15:35	15:30	00:25	01:20	08:45	00:00	03:40	41:20	216:15
JUN	11:40	30:20	20:30	45:10	06:45	00:25	01:30	02:15	00:35	18:05	00:30	00:20	47:50	185:55
<b>1ST QTR</b>	<b>39:10</b>	<b>88:50</b>	<b>80:45</b>	<b>136:20</b>	<b>19:00</b>	<b>17:15</b>	<b>18:45</b>	<b>04:00</b>	<b>01:55</b>	<b>38:45</b>	<b>00:30</b>	<b>15:15</b>	<b>113:05</b>	<b>573:35</b>
JUL	14:15	37:45	26:10	46:25	04:55	00:10	01:05	03:50	01:00	12:00	01:10	00:00	58:45	207:30
AUG	14:05	45:05	19:30	42:10	08:35	00:05	00:35	00:15	00:10	59:55	00:00	00:45	68:30	259:40
SEP	11:45	22:25	50:35	36:30	09:45	00:15	00:55	00:15	02:30	06:05	01:30	04:05	43:55	190:30
<b>2ND QTR</b>	<b>40:05</b>	<b>105:15</b>	<b>96:15</b>	<b>125:05</b>	<b>23:15</b>	<b>00:30</b>	<b>02:35</b>	<b>04:20</b>	<b>03:40</b>	<b>78:00</b>	<b>02:40</b>	<b>04:50</b>	<b>171:10</b>	<b>657:40</b>
OCT	19:25	41:05	98:00	43:20	04:10	00:05	00:00	00:00	01:55	12:35	00:45	00:30	47:45	269:35
NOV	20:25	41:50	31:35	46:50	04:05	00:20	00:00	08:20	03:05	14:15	00:10	00:00	37:45	208:40
DEC	10:35	29:50	34:05	48:25	07:10	00:10	01:10	06:10	04:45	14:00	00:05	00:00	52:40	209:05
<b>3RD QTR</b>	<b>50:25</b>	<b>112:45</b>	<b>163:40</b>	<b>138:35</b>	<b>15:25</b>	<b>00:35</b>	<b>01:10</b>	<b>14:30</b>	<b>09:45</b>	<b>40:50</b>	<b>01:00</b>	<b>00:30</b>	<b>138:10</b>	<b>687:20</b>
JAN'20	13:30	27:30	34:15	43:10	12:25	00:35	00:30	03:45	22:10	08:10	00:00	03:55	50:00	219:55
FEB	17:40	35:10	13:50	43:15	03:15	00:30	00:00	00:15	03:25	08:15	02:10	00:10	37:15	165:10
MAR	15:05	33:30	37:15	51:35	08:15	00:15	00:25	00:25	02:30	06:35	00:30	00:20	65:35	222:15
<b>4TH QTR</b>	<b>46:15</b>	<b>96:10</b>	<b>85:20</b>	<b>138:00</b>	<b>23:55</b>	<b>01:20</b>	<b>00:55</b>	<b>04:25</b>	<b>28:05</b>	<b>23:00</b>	<b>02:40</b>	<b>04:25</b>	<b>152:50</b>	<b>607:20</b>
<b>2019-20</b>	<b>175:55</b>	<b>403:00</b>	<b>426:00</b>	<b>538:00</b>	<b>81:35</b>	<b>19:40</b>	<b>23:25</b>	<b>27:15</b>	<b>43:25</b>	<b>180:35</b>	<b>06:50</b>	<b>25:00</b>	<b>575:15</b>	<b>2525:55</b>
2018-19	228:05	407:40	347:40	523:45	86:20	21:40	26:35	25:15	39:05	78:40	03:55	10:35	399:35	2198:50
2017-18	135:50	358:20	365:50	504:35	73:15	04:55	12:40	230:40	312:50	63:55	04:25	10:40	305:10	2383:05
2016-17	76:35	339:25	330:40	512:15	47:50	03:55	05:55	46:20	135:00	66:40	00:30	485:05	644:50	2695:00
2015-16	71:13	267:00	185:13	456:05	53:05	05:10	05:25	36:35	32:15	197:05	02:15	00:00	797:24	2108:45



## भोव्राओं की खपत CONSUMPTION OF SERVICES

## HOT STRIP MILL

Table No.10.7

PERIOD	TOTAL CONSUMPTION					CONSUMPTION RATE(PER TONNE OF SLAB ROLLED)						Electricity/T of HRC+ TP Production (KWH)
	Electricity (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )	B.F.Gas (10 <sup>3</sup> m <sup>3</sup> )	C.O.Gas (10 <sup>3</sup> m <sup>3</sup> )	Refrac- tory (t)	Electricity (KWH)	Water (m <sup>3</sup> )	B.F.Gas (m <sup>3</sup> )	C.O.Gas (m <sup>3</sup> )	Refrac- tory (Kg)	Sp.Heat (G.Cal)	
APR'19	24814.7	15838	40832	25081	7.0	75.3	48.0	123.9	76.1	0.02	0.418	77.9
MAY	24122.3	16366	41589	25483	45.0	79.4	53.9	136.9	83.9	0.15	0.460	82.2
JUN	25746.2	15840	40933	25492	10.3	81.5	50.1	129.5	80.7	0.03	0.444	84.3
<b>1ST QTR</b>	<b>74683.2</b>	<b>48044</b>	<b>123354</b>	<b>76056</b>	<b>62.3</b>	<b>78.7</b>	<b>50.6</b>	<b>129.9</b>	<b>80.1</b>	<b>0.07</b>	<b>0.440</b>	<b>81.4</b>
JUL	24682.3	16360	37898	23427	45.1	76.7	50.8	117.8	72.8	0.14	0.405	79.4
AUG	25692.4	16352	35707	21953	0.0	89.6	57.0	124.5	76.6	0.00	0.422	92.8
SEP	20028.2	15838	24954	16079	49.8	93.2	73.7	116.1	74.8	0.23	0.404	96.5
<b>2ND QTR</b>	<b>70402.9</b>	<b>48550</b>	<b>98559</b>	<b>61459</b>	<b>94.9</b>	<b>85.5</b>	<b>59.0</b>	<b>119.7</b>	<b>74.6</b>	<b>0.12</b>	<b>0.411</b>	<b>88.5</b>
OCT	24670.6	16367	33940	22961	10.5	83.3	55.3	114.6	77.5	0.04	0.412	86.2
NOV	23605.1	15818	34432	22635	15.2	77.0	51.6	112.3	73.8	0.05	0.398	79.7
DEC	24621.7	16360	35208	23210	45.0	78.2	51.9	111.8	73.7	0.14	0.397	80.9
<b>3RD QTR</b>	<b>72897.4</b>	<b>48545</b>	<b>103580</b>	<b>68806</b>	<b>70.7</b>	<b>79.4</b>	<b>52.9</b>	<b>112.8</b>	<b>75.0</b>	<b>0.08</b>	<b>0.402</b>	<b>82.2</b>
JAN'20	25709.8	16320	40397	21911	92.8	83.4	52.9	131.1	71.1	0.30	0.399	86.3
FEB	24426.6	15105	37402	23558	99.3	77.9	48.2	119.3	75.2	0.32	0.405	80.7
MAR	25381.1	16350	35787	23273	198.8	86.1	55.4	121.3	78.9	0.67	0.420	89.1
<b>4TH QTR</b>	<b>75517.5</b>	<b>47775</b>	<b>113586</b>	<b>68742</b>	<b>390.8</b>	<b>82.4</b>	<b>52.1</b>	<b>123.9</b>	<b>75.0</b>	<b>0.43</b>	<b>0.408</b>	<b>85.3</b>
<b>2019-20</b>	<b>293501.0</b>	<b>192914</b>	<b>439079</b>	<b>275063</b>	<b>618.8</b>	<b>81.4</b>	<b>53.5</b>	<b>121.7</b>	<b>76.3</b>	<b>0.17</b>	<b>0.416</b>	<b>84.2</b>
2018-19	286778.3	192012	545866	343465	639.7	74.6	49.9	141.9	89.3	0.17	0.489	77.2
2017-18	282222.0	185754	620925	327657	841.3	76.0	50.0	167.3	88.3	0.23	0.509	78.7
2016-17	265576.9	155756	442875	292912	1053.4	76.8	45.0	128.0	84.7	0.30	0.456	79.5
2015-16	210644.0	158487	325276	227269	1947.6	81.1	61.0	125.2	87.5	0.75	0.463	84.0



## भारत SUMMARY



H.R.C.F.

Table No. 11.1

SL.NO. PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b>1. Shearing Line - I</b>						
<b>Input - HR Coil</b>	Tonne	337659	394232	354029	430729	329811
<b>Output - HR Plate</b>						
Prime	Tonne	322949	377467	338962	411970	315685
Arising	"	9674	11312	10060	12150	9295
<b>Total</b>	"	<b>332623</b>	<b>388779</b>	<b>349022</b>	<b>424120</b>	<b>324980</b>
<b>Yield</b>	%	<b>98.51</b>	<b>98.62</b>	<b>98.59</b>	<b>98.47</b>	<b>98.54</b>
<b>2. Shearing Line - II</b>						
<b>Input - HR Coil</b>	Tonne	90424	107544	115260	102995	101671
<b>Output - HR Sheet</b>						
Prime	Tonne	85478	101869	109429	97869	96622
Arising	"	2191	2025	2196	2019	2021
<b>Total</b>	"	<b>87669</b>	<b>103894</b>	<b>111625</b>	<b>99888</b>	<b>98643</b>
<b>Yield</b>	%	<b>96.95</b>	<b>96.61</b>	<b>96.85</b>	<b>96.98</b>	<b>97.02</b>
<b>3. Shearing Line I + II</b>						
<b>Input - HR Coil</b>	Tonne	<b>428083</b>	<b>501776</b>	<b>469289</b>	<b>533724</b>	<b>431482</b>
<b>Output - HR Plate/Sheet</b>						
Prime	Tonne	<b>408427</b>	<b>479336</b>	<b>448391</b>	<b>509839</b>	<b>412307</b>
Arising	"	<b>11865</b>	<b>13337</b>	<b>12256</b>	<b>14169</b>	<b>11316</b>
<b>Total</b>	"	<b>420292</b>	<b>492673</b>	<b>460647</b>	<b>524008</b>	<b>423623</b>
<b>Yield</b>	%	<b>98.18</b>	<b>98.19</b>	<b>98.16</b>	<b>98.18</b>	<b>98.18</b>

उत्पादन एवं लब्धि  
PRODUCTION & YIELD

H.R.C.F	Unit-Tonne											Table No. 11.2		
	PERIOD	SHEARING LINE-I					SHEARING LINE-II					TOTAL		
		INPUT	OUTPUT H.R.PLATE				INPUT	OUTPUT H.R.SHEET				INPUT	OUTPUT	Yield from
		H.R.Coil	Prime	Arising	Total	Yield (%)	H.R.Coil	Prime	Arising	Total	Yield (%)	H.R.Coil	Prime & Arising	HR Coil(%) Prime & Arising
APR.'19	37257	35589	1068	36657	98.4	9643	9204	185	9389	97.4	46900	46046	98.18	
MAY	29533	28317	835	29152	98.7	10164	9625	197	9822	96.6	39697	38974	98.18	
JUN	30308	28953	867	29820	98.4	4929	4684	93	4777	96.9	35237	34597	98.18	
<b>1ST QTR.</b>	<b>97098</b>	<b>92859</b>	<b>2770</b>	<b>95629</b>	<b>98.5</b>	<b>24736</b>	<b>23513</b>	<b>475</b>	<b>23988</b>	<b>97.0</b>	<b>121834</b>	<b>119617</b>	<b>98.18</b>	
JUL.	33045	31601	949	32550	98.5	7733	7337	148	7485	96.8	40778	40035	98.18	
AUG.	30001	28691	860	29551	98.5	6801	6451	130	6581	96.8	36802	36132	98.18	
SEP.	21914	20973	630	21603	98.6	8012	7528	254	7782	97.1	29926	29385	98.19	
<b>2ND QTR.</b>	<b>84960</b>	<b>81265</b>	<b>2439</b>	<b>83704</b>	<b>98.5</b>	<b>22546</b>	<b>21316</b>	<b>532</b>	<b>21848</b>	<b>96.9</b>	<b>107506</b>	<b>105552</b>	<b>98.18</b>	
OCT.	24181	23120	693	23813	98.5	5178	4914	97	5011	96.8	29359	28824	98.18	
NOV.	27070	25948	776	26724	98.7	8048	7602	152	7754	96.3	35118	34478	98.18	
DEC.	28987	27762	833	28595	98.6	7824	7399	146	7545	96.4	36811	36140	98.18	
<b>3RD QTR.</b>	<b>80238</b>	<b>76830</b>	<b>2302</b>	<b>79132</b>	<b>98.6</b>	<b>21050</b>	<b>19915</b>	<b>395</b>	<b>20310</b>	<b>96.5</b>	<b>101288</b>	<b>99442</b>	<b>98.18</b>	
JAN.'20	26675	25507	767	26274	98.5	6819	6480	132	6612	97.0	33494	32886	98.18	
FEB.	25640	24486	737	25223	98.4	7920	7234	491	7725	97.5	33560	32948	98.18	
MAR.	23048	22002	659	22661	98.3	7353	7020	166	7186	97.7	30401	29847	98.18	
<b>4TH QTR.</b>	<b>75363</b>	<b>71995</b>	<b>2163</b>	<b>74158</b>	<b>98.4</b>	<b>22092</b>	<b>20734</b>	<b>789</b>	<b>21523</b>	<b>97.4</b>	<b>97455</b>	<b>95681</b>	<b>98.18</b>	
<b>2019-20</b>	<b>337659</b>	<b>322949</b>	<b>9674</b>	<b>332623</b>	<b>98.5</b>	<b>90424</b>	<b>85478</b>	<b>2191</b>	<b>87669</b>	<b>97.0</b>	<b>428083</b>	<b>420292</b>	<b>98.18</b>	
2018-19	394232	377467	11312	388779	98.6	107544	101869	2025	103894	96.6	501776	492673	98.19	
2017-18	354029	338962	10060	349022	98.6	115260	109429	2196	111625	96.8	469289	460647	98.16	
2016-17	430729	411970	12150	424120	98.5	102995	97869	2019	99888	97.0	533724	524008	98.18	
2015-16	329811	315685	9295	324980	98.5	101671	96622	2021	98643	97.0	431482	423623	98.18	

तप्त खलिलत पट्टिका का मोटाईवार उत्पादन  
THICKNESSWISE PRODUCTION OF H.R.PLATE

H.R.C.F

Table No. 11.3

PERIOD	THICKNESS (mm)											5-10 AW x AL	Total
	5.0	6.0	6.5	7.0	7.5	7.8	8.0	9.0	10.0	11.0	12.0		
APR.'19	7350	11939	0	366	0	0	9294	0	7136	572	0	0	36657
MAY	4600	12891	0	351	0	0	5915	0	5231	164	0	0	29152
JUN	4678	13380	0	208	0	0	5504	0	6023	27	0	0	29820
<b>1ST QTR.</b>	<b>16628</b>	<b>38210</b>	<b>0</b>	<b>925</b>	<b>0</b>	<b>0</b>	<b>20713</b>	<b>0</b>	<b>18390</b>	<b>763</b>	<b>0</b>	<b>0</b>	<b>95629</b>
JUL.	6951	10048	0	670	0	0	7074	146	7661	0	0	0	32550
AUG.	6850	8382	0	0	0	21	7018	0	7280	0	0	0	29551
SEP.	4524	5965	0	0	0	0	6106	0	5008	0	0	0	21603
<b>2ND QTR.</b>	<b>18325</b>	<b>24395</b>	<b>0</b>	<b>670</b>	<b>0</b>	<b>21</b>	<b>20198</b>	<b>146</b>	<b>19949</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>83704</b>
OCT.	3617	7777	0	246	0	0	5495	119	6559	0	0	0	23813
NOV.	4101	9880	0	246	0	0	5656	119	6722	0	0	0	26724
DEC.	4073	9159	0	0	0	0	8210	0	7131	0	0	22	28595
<b>3RD QTR.</b>	<b>11791</b>	<b>26816</b>	<b>0</b>	<b>492</b>	<b>0</b>	<b>0</b>	<b>19361</b>	<b>238</b>	<b>20412</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>79132</b>
JAN.'20	4107	8875	0	173	0	0	6131	0	6969	0	19	0	26274
FEB.	4296	7061	0	853	0	0	5309	2156	5548	0	0	0	25223
MAR.	3256	8288	0	41	0	0	5369	1428	4279	0	0	0	22661
<b>4TH QTR.</b>	<b>11659</b>	<b>24224</b>	<b>0</b>	<b>1067</b>	<b>0</b>	<b>0</b>	<b>16809</b>	<b>3584</b>	<b>16796</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>74158</b>
<b>2019-20</b>	<b>58403</b>	<b>113645</b>	<b>0</b>	<b>3154</b>	<b>0</b>	<b>21</b>	<b>77081</b>	<b>3968</b>	<b>75547</b>	<b>763</b>	<b>19</b>	<b>22</b>	<b>332623</b>
2018-19	84776	140262	90	2768	0	0	81233	0	79650	0	0	0	388779
2017-18	78895	116639	1030	2306	0	0	81816	110	68226	0	0	0	349022
2016-17	89879	130252	3	4656	398	0	110961	0	87943	0	0	28	424120
2015-16	67265	110308	163	1446	0	0	78273	48	67380	0	0	97	324980

तप्त खलित चादर का मोटाईवार उत्पादन  
THICKNESSWISE PRODUCTION OF H.R.SHEET

H.R.C.F

Table No. 11.4

PERIOD	THICKNESS (mm)															2 - 5 mm AW x AL	Total
	2.0	2.1	2.2	2.3	2.5	2.8	2.9	3.0	3.1	3.15	3.3	3.5	3.55	3.8	4.0		
APR.'19	2770	0	0	0	2002	20	1428	105	0	1741	0	18	0	0	1305	0	9389
MAY	1600	0	0	0	2614	656	1722	126	0	2333	21	0	0	0	750	0	9822
JUN	1609	0	0	0	803	119	798	123	0	865	0	0	0	0	460	0	4777
<b>1ST QTR.</b>	<b>5979</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5419</b>	<b>795</b>	<b>3948</b>	<b>354</b>	<b>0</b>	<b>4939</b>	<b>21</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>2515</b>	<b>0</b>	<b>23988</b>
JUL.	2611	0	0	0	1314	200	687	20	0	1683	0	0	0	0	970	0	7485
AUG.	1779	0	0	0	1200	345	954	82	22	1650	0	0	0	0	549	0	6581
SEP.	2162	0	0	0	1358	226	1419	128	0	1491	0	0	0	0	978	20	7782
<b>2ND QTR.</b>	<b>6552</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3872</b>	<b>771</b>	<b>3060</b>	<b>230</b>	<b>22</b>	<b>4824</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2497</b>	<b>20</b>	<b>21848</b>
OCT.	1398	0	0	0	995	162	567	0	0	1002	0	0	0	0	887	0	5011
NOV.	2296	0	0	0	1944	151	542	0	0	1429	0	0	0	0	1392	0	7754
DEC.	2721	0	0	0	1290	165	1218	23	40	1011	0	0	0	0	1035	42	7545
<b>3RD QTR.</b>	<b>6415</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4229</b>	<b>478</b>	<b>2327</b>	<b>23</b>	<b>40</b>	<b>3442</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3314</b>	<b>42</b>	<b>20310</b>
JAN.'20	920	0	0	0	1878	183	1638	155	19	872	0	0	0	0	918	29	6612
FEB.	1140	0	0	0	2169	199	1562	0	0	1461	0	0	0	0	1194	0	7725
MAR.	1408	0	0	0	1239	20	1283	317	0	1389	0	0	0	0	1530	0	7186
<b>4TH QTR.</b>	<b>3468</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5286</b>	<b>402</b>	<b>4483</b>	<b>472</b>	<b>19</b>	<b>3722</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3642</b>	<b>29</b>	<b>21523</b>
<b>2019-20</b>	<b>22414</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18806</b>	<b>2446</b>	<b>13818</b>	<b>1079</b>	<b>81</b>	<b>16927</b>	<b>21</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>11968</b>	<b>91</b>	<b>87669</b>
2018-19	20889	19	0	239	22719	2820	16640	1818	78	23404	56	263	0	37	14912	0	103894
2017-18	14760	0	39	224	23241	770	19647	5627	133	28471	20	310	18	0	18365	0	111625
2016-17	15097	122	77	146	17544	220	19842	2230	52	26454	50	662	36	0	17356	0	99888
2015-16	11785	188	579	109	16937	823	25631	1443	0	24386	14	529	167	0	16033	19	98643



प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION

H.R.C.F	Table No. 11.5(Contd.)														
	CALENDAR HOURS			C/R + SCH.S/D			AVAILABLE HOURS			DELAYS			WORKING HOURS		
	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total
APR.'19	720:00	720:00	1440:00	96:00	48:00	144:00	624:00	672:00	1296:00	109:50	130:20	240:10	514:10	541:40	1055:50
MAY	744:00	744:00	1488:00	120:00	96:00	216:00	624:00	648:00	1272:00	127:40	114:00	241:40	496:20	534:00	1030:20
JUN	720:00	720:00	1440:00	120:00	120:00	240:00	600:00	600:00	1200:00	114:30	128:35	243:05	485:30	471:25	956:55
<b>1ST QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>336:00</b>	<b>264:00</b>	<b>600:00</b>	<b>1848:00</b>	<b>1920:00</b>	<b>3768:00</b>	<b>352:00</b>	<b>372:55</b>	<b>724:55</b>	<b>1496:00</b>	<b>1547:05</b>	<b>3043:05</b>
JUL.	744:00	744:00	1488:00	120:00	96:00	216:00	624:00	648:00	1272:00	179:50	186:50	366:40	444:10	461:10	905:20
AUG.	744:00	744:00	1488:00	120:00	120:00	240:00	624:00	624:00	1248:00	234:35	270:50	505:25	389:25	353:10	742:35
SEP.	720:00	720:00	1440:00	120:00	72:00	192:00	600:00	648:00	1248:00	245:10	271:55	517:05	354:50	376:05	730:55
<b>2ND QTR.</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>360:00</b>	<b>288:00</b>	<b>648:00</b>	<b>1848:00</b>	<b>1920:00</b>	<b>3768:00</b>	<b>659:35</b>	<b>729:35</b>	<b>1389:10</b>	<b>1188:25</b>	<b>1190:25</b>	<b>2378:50</b>
OCT.	744:00	744:00	1488:00	120:00	120:00	240:00	624:00	624:00	1248:00	207:45	219:15	427:00	416:15	404:45	821:00
NOV.	720:00	720:00	1440:00	120:00	120:00	240:00	600:00	600:00	1200:00	207:05	191:48	398:53	392:55	408:12	801:07
DEC.	744:00	744:00	1488:00	120:00	96:00	216:00	624:00	648:00	1272:00	191:35	192:10	383:45	432:25	455:50	888:15
<b>3RD QTR.</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>360:00</b>	<b>336:00</b>	<b>696:00</b>	<b>1848:00</b>	<b>1872:00</b>	<b>3720:00</b>	<b>606:25</b>	<b>603:13</b>	<b>1209:38</b>	<b>1241:35</b>	<b>1268:47</b>	<b>2510:22</b>
JAN.'20	744:00	744:00	1488:00	96:00	96:00	192:00	648:00	648:00	1296:00	203:35	184:55	388:30	444:25	463:05	907:30
FEB.	696:00	696:00	1392:00	96:00	96:00	192:00	600:00	600:00	1200:00	192:12	192:07	384:19	407:48	407:53	815:41
MAR.	744:00	744:00	1488:00	120:00	120:00	240:00	624:00	624:00	1248:00	287:25	186:29	473:54	336:35	437:31	774:06
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>312:00</b>	<b>312:00</b>	<b>624:00</b>	<b>1872:00</b>	<b>1872:00</b>	<b>3744:00</b>	<b>683:12</b>	<b>563:31</b>	<b>1246:43</b>	<b>1188:48</b>	<b>1308:29</b>	<b>2497:17</b>
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>17568:00</b>	<b>1368:00</b>	<b>1200:00</b>	<b>2568:00</b>	<b>7416:00</b>	<b>7584:00</b>	<b>15000:00</b>	<b>2301:12</b>	<b>2269:14</b>	<b>4570:26</b>	<b>5114:48</b>	<b>5314:46</b>	<b>10429:34</b>
2018-19	8760:00	8760:00	17520:00	1248:00	1248:00	2496:00	7512:00	7512:00	15024:00	1628:45	1467:30	3096:15	5883:15	6044:30	11927:45
2017-18	8760:00	8760:00	17520:00	1392:00	1416:00	2808:00	7368:00	7344:00	14712:00	2063:20	1679:46	3743:06	5304:40	5664:14	10968:54
2016-17	8760:00	8760:00	17520:00	1488:00	1392:00	2880:00	7272:00	7368:00	14640:00	2322:25	2217:10	4539:35	4949:35	5150:50	10100:25
2015-16	8784:00	8784:00	17568:00	1872:00	1872:00	3744:00	6912:00	6912:00	13824:00	2623:30	1987:20	4610:50	4288:30	4924:40	9213:10

प्राप्यता ,उपयोग एवं सेवाओं की खपत  
**AVAILABILITY,UTILISATION & CONSUMPTION OF SERVICES**

H.R.C.F

Table No. 11.5

PERIOD	% Availability against Cal.Hrs.			% Utilisation against Avl.Hrs.			Total Consumption of Services		Consumption /t of H.R. Coil Sheared		Electricity/T of H.R. Plate+Sheet (KWH)
	Line-I	Line-II	Total	Line-I	Line-II	Total	Water	Elect.	Water	Elect.	
							(10 <sup>3</sup> m <sup>3</sup> )	(MWH)	(m <sup>3</sup> )	(KWH)	
APR.'19	86.67	93.33	90.00	82.40	80.61	81.47	143	903.8	3.0	19.3	19.6
MAY	83.87	87.10	85.48	79.54	82.41	81.00	145	904.9	3.7	22.8	23.2
JUN	83.33	83.33	83.33	80.92	78.57	79.74	144	927.6	4.1	26.3	26.8
<b>1ST QTR.</b>	<b>84.62</b>	<b>87.91</b>	<b>86.26</b>	<b>80.95</b>	<b>80.58</b>	<b>80.76</b>	<b>432</b>	<b>2736.3</b>	<b>3.5</b>	<b>22.5</b>	<b>22.9</b>
JUL.	83.87	87.10	85.48	71.18	71.17	71.17	147	990.2	3.6	24.3	24.7
AUG.	83.87	83.87	83.87	62.41	56.60	59.50	144	986.6	3.9	26.8	27.3
SEP.	83.33	90.00	86.67	59.14	58.04	58.57	142	930.4	4.7	31.1	31.7
<b>2ND QTR.</b>	<b>83.70</b>	<b>86.96</b>	<b>85.33</b>	<b>64.31</b>	<b>62.00</b>	<b>63.13</b>	<b>433</b>	<b>2907.2</b>	<b>4.0</b>	<b>27.0</b>	<b>27.5</b>
OCT.	83.87	83.87	83.87	66.71	64.86	65.79	147	900.7	5.0	30.7	31.2
NOV.	83.33	83.33	83.33	65.49	68.03	66.76	141	842.4	4.0	24.0	24.4
DEC.	83.87	87.10	85.48	69.30	70.34	69.83	149	886.1	4.0	24.1	24.5
<b>3RD QTR.</b>	<b>83.70</b>	<b>84.78</b>	<b>84.24</b>	<b>67.19</b>	<b>67.78</b>	<b>67.48</b>	<b>437</b>	<b>2629.2</b>	<b>4.3</b>	<b>26.0</b>	<b>26.4</b>
JAN.'20	87.10	87.10	87.10	68.58	71.46	70.02	145	894.8	4.3	26.7	27.2
FEB.	86.21	86.21	86.21	67.97	67.98	67.97	134	910.6	4.0	27.1	27.6
MAR.	83.87	83.87	83.87	53.94	70.11	62.03	147	903.3	4.8	29.7	30.3
<b>4TH QTR.</b>	<b>85.71</b>	<b>85.71</b>	<b>85.71</b>	<b>63.50</b>	<b>69.90</b>	<b>66.70</b>	<b>426</b>	<b>2708.7</b>	<b>4.4</b>	<b>27.8</b>	<b>28.3</b>
<b>2019-20</b>	<b>84.43</b>	<b>86.34</b>	<b>85.38</b>	<b>68.97</b>	<b>70.08</b>	<b>69.53</b>	<b>1728</b>	<b>10981.4</b>	<b>4.0</b>	<b>25.7</b>	<b>26.1</b>
2018-19	85.75	85.75	85.75	78.32	80.46	79.39	1706	10620.2	3.4	21.2	21.6
2017-18	84.11	83.84	83.97	72.00	77.13	74.56	1703	10291.2	3.6	21.9	22.3
2016-17	83.01	84.11	83.56	68.06	69.91	68.99	1676	11172.2	3.1	20.9	21.3
2015-16	78.69	78.69	78.69	62.04	71.25	66.65	1674	11439.0	3.9	26.5	27.0

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

H.R.C.F	Unit-Hrs.:Mts.												Table No. 11.6(Contd.)
	OPERATIONAL			ELECTRICAL			MECHANICAL			HSM			
	PERIOD	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	
APR.'19	00:00	00:00	00:00	08:45	04:30	13:15	13:15	09:50	23:05	00:00	00:00	00:00	
MAY	00:00	00:00	00:00	06:45	04:30	11:15	09:15	09:15	18:30	00:00	00:00	00:00	
JUN	00:00	00:00	00:00	08:30	07:30	16:00	07:10	01:15	08:25	00:00	00:00	00:00	
<b>1ST QTR.</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>24:00</b>	<b>16:30</b>	<b>40:30</b>	<b>29:40</b>	<b>20:20</b>	<b>50:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	
JUL.	00:00	00:00	00:00	11:35	10:00	21:35	34:45	34:20	69:05	00:00	00:00	00:00	
AUG.	00:00	02:15	02:15	19:15	02:15	21:30	39:30	59:50	99:20	00:00	00:00	00:00	
SEP.	08:15	06:15	14:30	19:05	04:30	23:35	38:05	62:50	100:55	00:00	00:00	00:00	
<b>2ND QTR.</b>	<b>08:15</b>	<b>08:30</b>	<b>16:45</b>	<b>49:55</b>	<b>16:45</b>	<b>66:40</b>	<b>112:20</b>	<b>157:00</b>	<b>269:20</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	
OCT.	02:15	04:30	06:45	15:00	05:30	20:30	36:30	61:45	98:15	00:00	00:00	00:00	
NOV.	03:30	03:30	07:00	18:15	05:50	24:05	28:30	58:38	87:08	00:00	00:00	00:00	
DEC.	03:45	02:00	05:45	15:15	05:50	21:05	54:50	59:30	114:20	00:00	00:00	00:00	
<b>3RD QTR.</b>	<b>09:30</b>	<b>10:00</b>	<b>19:30</b>	<b>48:30</b>	<b>17:10</b>	<b>65:40</b>	<b>119:50</b>	<b>179:53</b>	<b>299:43</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	
JAN.'20	03:00	00:30	03:30	16:35	07:45	24:20	54:30	56:50	111:20	00:00	00:00	00:00	
FEB.	01:25	01:35	03:00	18:40	07:30	26:10	55:25	59:20	114:45	00:00	00:00	00:00	
MAR.	08:30	04:00	12:30	19:20	05:25	24:45	92:50	79:59	172:49	00:00	00:00	00:00	
<b>4TH QTR.</b>	<b>12:55</b>	<b>06:05</b>	<b>19:00</b>	<b>54:35</b>	<b>20:40</b>	<b>75:15</b>	<b>202:45</b>	<b>196:09</b>	<b>398:54</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	
<b>2019-20</b>	<b>30:40</b>	<b>24:35</b>	<b>55:15</b>	<b>177:00</b>	<b>71:05</b>	<b>248:05</b>	<b>464:35</b>	<b>553:22</b>	<b>1017:57</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	
2018-19	00:00	00:00	00:00	92:50	58:30	151:20	197:00	117:50	314:50	00:00	00:00	00:00	
2017-18	00:00	00:00	00:00	89:35	114:15	203:50	200:50	213:01	413:51	00:00	00:00	00:00	
2016-17	00:45	00:00	00:45	121:30	143:55	265:25	320:40	214:05	534:45	00:00	00:00	00:00	
2015-16	00:00	00:00	00:00	145:05	112:15	257:20	220:50	161:55	382:45	02:00	01:30	03:30	

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

H.R.C.F	Unit-Hrs.:Mts.												Table No. 11.6
	HOT COIL			TECH.REQMT.			MISCELLANEOUS			TOTAL			
	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total	Line-I	Line-II	Total	
APR.'19	00:00	26:30	26:30	68:20	88:30	156:50	19:30	01:00	20:30	109:50	130:20	240:10	
MAY	23:00	20:00	43:00	74:40	80:15	154:55	14:00	00:00	14:00	127:40	114:00	241:40	
JUN	07:10	50:30	57:40	71:10	69:20	140:30	20:30	00:00	20:30	114:30	128:35	243:05	
<b>1ST QTR.</b>	<b>30:10</b>	<b>97:00</b>	<b>127:10</b>	<b>214:10</b>	<b>238:05</b>	<b>452:15</b>	<b>54:00</b>	<b>01:00</b>	<b>55:00</b>	<b>352:00</b>	<b>372:55</b>	<b>724:55</b>	
JUL.	27:00	50:00	77:00	76:00	88:45	164:45	30:30	03:45	34:15	179:50	186:50	366:40	
AUG.	80:55	102:00	182:55	56:30	100:45	157:15	38:25	03:45	42:10	234:35	270:50	505:25	
SEP.	78:30	98:45	177:15	68:30	84:45	153:15	32:45	14:50	47:35	245:10	271:55	517:05	
<b>2ND QTR.</b>	<b>186:25</b>	<b>250:45</b>	<b>437:10</b>	<b>201:00</b>	<b>274:15</b>	<b>475:15</b>	<b>101:40</b>	<b>22:20</b>	<b>124:00</b>	<b>659:35</b>	<b>729:35</b>	<b>1389:10</b>	
OCT.	42:30	78:00	120:30	70:00	64:30	134:30	41:30	05:00	46:30	207:45	219:15	427:00	
NOV.	58:50	51:30	110:20	70:30	67:50	138:20	27:30	04:30	32:00	207:05	191:48	398:53	
DEC.	14:30	20:30	35:00	72:20	88:30	160:50	30:55	15:50	46:45	191:35	192:10	383:45	
<b>3RD QTR.</b>	<b>115:50</b>	<b>150:00</b>	<b>265:50</b>	<b>212:50</b>	<b>220:50</b>	<b>433:40</b>	<b>99:55</b>	<b>25:20</b>	<b>125:15</b>	<b>606:25</b>	<b>603:13</b>	<b>1209:38</b>	
JAN.'20	19:20	19:00	38:20	69:35	88:30	158:05	40:35	12:20	52:55	203:35	184:55	388:30	
FEB.	06:30	21:32	28:02	71:25	88:05	159:30	38:47	14:05	52:52	192:12	192:07	384:19	
MAR.	00:00	00:00	00:00	102:00	91:35	193:35	64:45	05:30	70:15	287:25	186:29	473:54	
<b>4TH QTR.</b>	<b>25:50</b>	<b>40:32</b>	<b>66:22</b>	<b>243:00</b>	<b>268:10</b>	<b>511:10</b>	<b>144:07</b>	<b>31:55</b>	<b>176:02</b>	<b>683:12</b>	<b>563:31</b>	<b>1246:43</b>	
<b>2019-20</b>	<b>358:15</b>	<b>538:17</b>	<b>896:32</b>	<b>871:00</b>	<b>1001:20</b>	<b>1872:20</b>	<b>399:42</b>	<b>80:35</b>	<b>480:17</b>	<b>2301:12</b>	<b>2269:14</b>	<b>4570:26</b>	
2018-19	112:30	39:30	152:00	913:55	1024:10	1938:05	312:30	227:30	540:00	1628:45	1467:30	3096:15	
2017-18	426:30	125:30	552:00	1018:00	1038:00	2056:00	328:25	189:00	517:25	2063:20	1679:46	3743:06	
2016-17	422:30	482:30	905:00	974:45	1065:30	2040:15	482:15	311:10	793:25	2322:25	2217:10	4539:35	
2015-16	253:00	313:00	566:00	862:30	1069:30	1932:00	1140:05	329:10	1469:15	2623:30	1987:20	4610:50	

**COLD ROLLING MILL**

## भारंश SUMMARY

C.R.M.		Unit : Tonne					Table No. 12.1(Contd.)
SL.NO.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16	
<b>1.0</b>	<b>PICKLING LINE</b>						
	Input - H.R.Coil	552160	823607	756694	664626	401502	
	Output - Pickled Coil	536731	802000	737831	646822	390012	
<b>2.0</b>	<b>TANDEM MILL</b>						
	Input - Pickled Coil	544409	791583	733819	642258	374451	
	Output - C.R. Reduced Coil	541986	788473	731420	638792	373754	
<b>3.0</b>	<b>SKIN PASS MILL</b>						
	Input - C.R.Annealed Coil	435343	565383	525070	455605	232945	
	Output - C.R.Coil	398564	520422	483754	422355	224514	
<b>4.0</b>	<b>C.R.C.F.</b>						
	Input - C.R.Coil	5580	19301	20350	18059	13599	
	Output - C.R.Sheet	5040	17227	18090	16011	12323	
<b>5.0</b>	<b>SLITTING LINE</b>						
	Input - C.R.Coil	15561	22265	27768	28829	13117	
	Output - C.R. Slit Coil	13821	19735	24649	25356	11851	
<b>6.0</b>	<b>D.C.R.MILL</b>						
	Input - C.R.Annealed Coil	41417	67509	62653	47768	20957	
	Output - DCR Coil	35694	58675	53634	41330	19539	
<b>7.0</b>	<b>H.D.G.L.</b>						
	Input - C.R.Reduced Coil + Zinc	74951	149027	144946	125303	93622	
	Output - Galvanised Coil	64519	131423	128897	112932	87206	
<b>8.0</b>	<b>G.P.S.S.L</b>						
	Input - Galvanised Coil	7569	18115	19782	20499	18881	
	Output - G.P.Sheet	7569	18115	19782	20499	18881	
<b>9.0</b>	<b>G.C.S.S.L</b>						
	Input - Galvanised Coil	2129	2397	1829	4945	6640	
	Output - G.C.Sheet	2129	2397	1829	4945	6640	

# सारांश SUMMARY

C.R.M.		Unit : Tonne					Table No. 12.1
SL.NO.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16	
<b>10.0</b>	<b>CRM III :</b>						
	<b>PLTCM</b>						
	Input - H.R.Coil	497437	388005	381169	235190	95472	
	Output - Reduced Coil	446852	344629	355561	217394	85810	
	<b>SPM</b>						
	Input - C.R.Annealed Coil	449085	338940	351800	210271	78193	
	Output - C.R.Coil	430828	325553	336124	203326	74234	
<b>11.0</b>	<b>PRODUCTION OF CR SALEABLE : CRM I/II</b>	<b>539329</b>	<b>786466</b>	<b>708665</b>	<b>620207</b>	<b>379086</b>	
	<b>: CRM III</b>	<b>470748</b>	<b>355340</b>	<b>354064</b>	<b>213974</b>	<b>83036</b>	
<b>12.0</b>	<b>YIELD (%)</b>						
	Pickling Line	97.2	97.4	97.5	97.3	97.1	
	Tandem Mill	99.6	99.6	99.7	99.5	99.8	
	Skin Pass Mill	91.6	92.0	92.1	92.7	96.4	
	C.R.C.F.	90.3	89.3	88.9	88.7	90.6	
	Slitting Line	88.8	88.6	88.8	88.0	90.3	
	H.D.G.L.	86.1	88.2	88.9	90.1	93.1	
	D.C.R. Mill	86.2	86.9	85.6	86.5	93.2	
	PLTCM	94.1	94.2	93.3	92.4	89.9	
	SPM III	95.9	96.1	95.5	96.7	94.9	
	HDGL III	98.3	98.1	-	-	-	
<b>13.0</b>	<b>PRODUCTION RATE(T/HR.)</b>						
	Pickling Line	67.4	80.0	76.7	72.4	49.8	
	Tandem Mill	69.0	77.6	75.0	72.4	53.8	
	Skin Pass Mill	45.6	50.4	48.5	46.0	36.2	
	C.R.C.F.	15.7	16.8	17.6	18.1	21.8	
	Slitting Line	13.5	16.0	17.0	17.5	14.2	
	H.D.G.L.	21.7	22.6	22.8	21.4	20.2	
	D.C.R. Mill	48.0	52.0	47.3	45.7	46.0	
	C.A.L.	10.3	10.7	10.4	10.0	9.5	
	PLTCM	95.3	-	-	-	-	
	SPM III	68.6	-	-	-	-	

उत्पादन एवं लब्धि  
PRODUCTION & YIELD

C.R.M.(PICKLING LINE)			Unit - Tonne									Table No. 12.2(Contd.)		
PERIOD	INPUT			OUTPUT										
	I	II	Total	Prime			HR Pickled Defective			Total				
				I	II	Total	I	II	Total	I	II	Total		
APR'19	38593	23448	62041	37404	22897	60301	10	25	35	37414	22922	60336		
MAY	29292	31865	61157	28355	31088	59443	17	46	63	28372	31134	59506		
JUN.	27395	27309	54704	26552	26614	53166	22	58	80	26574	26672	53246		
<b>1ST QTR</b>	<b>95280</b>	<b>82622</b>	<b>177902</b>	<b>92311</b>	<b>80599</b>	<b>172910</b>	<b>49</b>	<b>129</b>	<b>178</b>	<b>92360</b>	<b>80728</b>	<b>173088</b>		
JUL.	33560	25150	58710	32493	24385	56878	39	51	90	32532	24436	56968		
AUG.	20809	23911	44720	20179	23289	43468	5	46	51	20184	23335	43519		
SEP.	25019	17379	42398	24251	16963	41214	16	29	45	24267	16992	41259		
<b>2ND QTR</b>	<b>79388</b>	<b>66440</b>	<b>145828</b>	<b>76923</b>	<b>64637</b>	<b>141560</b>	<b>60</b>	<b>126</b>	<b>186</b>	<b>76983</b>	<b>64763</b>	<b>141746</b>		
OCT.	25136	17692	42828	24379	17218	41597	2	64	66	24381	17282	41663		
NOV.	30311	11232	41543	29393	10936	40329	7	30	37	29400	10966	40366		
DEC.	26208	10519	36727	25437	10263	35700	14	46	60	25451	10309	35760		
<b>3RD QTR</b>	<b>81655</b>	<b>39443</b>	<b>121098</b>	<b>79209</b>	<b>38417</b>	<b>117626</b>	<b>23</b>	<b>140</b>	<b>163</b>	<b>79232</b>	<b>38557</b>	<b>117789</b>		
JAN'20	31594	7353	38947	30611	7172	37783	2	27	29	30613	7199	37812		
FEB.	28970	14719	43689	28062	14307	42369	0	74	74	28062	14381	42443		
MAR.	23554	1142	24696	22734	1119	23853	0	0	0	22734	1119	23853		
<b>4TH QTR.</b>	<b>84118</b>	<b>23214</b>	<b>107332</b>	<b>81407</b>	<b>22598</b>	<b>104005</b>	<b>2</b>	<b>101</b>	<b>103</b>	<b>81409</b>	<b>22699</b>	<b>104108</b>		
<b>2019-20</b>	<b>340441</b>	<b>211719</b>	<b>552160</b>	<b>329850</b>	<b>206251</b>	<b>536101</b>	<b>134</b>	<b>496</b>	<b>630</b>	<b>329984</b>	<b>206747</b>	<b>536731</b>		
2018-19	459431	364176	823607	445328	355983	801311	280	409	689	445608	356392	802000		
2017-18	404028	352666	756694	391903	344993	736896	345	590	935	392248	345583	737831		
2016-17	427949	236677	664626	415476	231335	646811	11	0	11	415487	231335	646822		
2015-16	216894	184608	401502	210225	179128	389353	195	464	659	210420	179592	390012		



# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(PICKLING LINE)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	YIELD (%)			SCALE LOSS			SCRAP			CONSUMPTION AT		Lime Conspn. (Bins)	PRODUCTION Ferrous Sulphate
	I	II	Total	I	II	Total	I	II	Total	PL-I	PL-II		
										(HCL)	(HCL)		
APR'19	96.9	97.8	97.3	193	117	310	986	409	1395	232	228	20	0
MAY	96.9	97.7	97.3	146	159	305	774	572	1346	288	377	20	0
JUN.	97.0	97.7	97.3	137	137	274	684	500	1184	140	275	20	0
<b>1ST QTR</b>	<b>96.9</b>	<b>97.7</b>	<b>97.3</b>	<b>476</b>	<b>413</b>	<b>889</b>	<b>2444</b>	<b>1481</b>	<b>3925</b>	<b>660</b>	<b>880</b>	<b>60</b>	<b>0</b>
JUL.	96.9	97.2	97.0	168	126	294	860	588	1448	214	271	24	0
AUG.	97.0	97.6	97.3	104	120	224	521	456	977	220	319	26	0
SEP.	97.0	97.8	97.3	125	87	212	627	300	927	494	293	24	0
<b>2ND QTR</b>	<b>97.0</b>	<b>97.5</b>	<b>97.2</b>	<b>397</b>	<b>333</b>	<b>730</b>	<b>2008</b>	<b>1344</b>	<b>3352</b>	<b>928</b>	<b>883</b>	<b>74</b>	<b>0</b>
OCT.	97.0	97.7	97.3	126	88	214	629	322	951	188	166	8	0
NOV.	97.0	97.6	97.2	152	56	208	759	210	969	139	580	0	0
DEC.	97.1	98.0	97.4	131	53	184	626	157	783	299	227	0	0
<b>3RD QTR</b>	<b>97.0</b>	<b>97.8</b>	<b>97.3</b>	<b>409</b>	<b>197</b>	<b>606</b>	<b>2014</b>	<b>689</b>	<b>2703</b>	<b>626</b>	<b>973</b>	<b>8</b>	<b>0</b>
JAN'20	96.9	97.9	97.1	158	37	195	823	117	940	175	45	0	0
FEB.	96.9	97.7	97.1	145	74	219	763	264	1027	178	134	0	0
MAR.	96.5	98.0	96.6	118	6	124	702	17	719	140	5	0	0
<b>4TH QTR.</b>	<b>96.8</b>	<b>97.8</b>	<b>97.0</b>	<b>421</b>	<b>117</b>	<b>538</b>	<b>2288</b>	<b>398</b>	<b>2686</b>	<b>493</b>	<b>184</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>96.9</b>	<b>97.7</b>	<b>97.2</b>	<b>1703</b>	<b>1060</b>	<b>2763</b>	<b>8754</b>	<b>3912</b>	<b>12666</b>	<b>2707</b>	<b>2920</b>	<b>142</b>	<b>0</b>
2018-19	97.0	97.9	97.4	2296	1821	4117	11527	5963	17490	2467	3277	302	0
2017-18	97.1	98.0	97.5	2019	1762	3781	9761	5321	15082	1776	2341	424	0
2016-17	97.1	97.7	97.3	2141	1183	3324	10321	4159	14480	2067	2026	490	0
2015-16	97.0	97.3	97.1	1084	923	2007	5390	4093	9483	3387 *	3020	146	863

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(TANDEM MILL)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	INPUT			OUTPUT								
	I	II	Total	For Annealing			For Cont.Annealing			For H.D.G.L.		
				I	II	Total	I	II	Total	I	II	Total
APR'19	44555	21536	66091	41980	6945	48925	0	4878	4878	2437	9608	12045
MAY	37298	21672	58970	35219	6189	41408	0	4249	4249	1889	11035	12924
JUN.	35596	18230	53826	32754	4522	37276	0	5752	5752	2721	7589	10310
<b>1ST QTR</b>	<b>117449</b>	<b>61438</b>	<b>178887</b>	<b>109953</b>	<b>17656</b>	<b>127609</b>	<b>0</b>	<b>14879</b>	<b>14879</b>	<b>7047</b>	<b>28232</b>	<b>35279</b>
JUL.	36548	15157	51705	33823	2795	36618	0	4186	4186	2566	7705	10271
AUG.	32691	18640	51331	31456	4397	35853	0	6863	6863	945	7055	8000
SEP.	27765	13808	41573	27070	4916	31986	0	5258	5258	534	3437	3971
<b>2ND QTR</b>	<b>97004</b>	<b>47605</b>	<b>144609</b>	<b>92349</b>	<b>12108</b>	<b>104457</b>	<b>0</b>	<b>16307</b>	<b>16307</b>	<b>4045</b>	<b>18197</b>	<b>22242</b>
OCT.	28342	11998	40340	28253	5071	33324	0	5022	5022	0	1738	1738
NOV.	33727	7593	41320	33675	3090	36765	0	2478	2478	0	1953	1953
DEC.	33474	0	33474	29315	0	29315	0	0	0	4114	0	4114
<b>3RD QTR</b>	<b>95543</b>	<b>19591</b>	<b>115134</b>	<b>91243</b>	<b>8161</b>	<b>99404</b>	<b>0</b>	<b>7500</b>	<b>7500</b>	<b>4114</b>	<b>3691</b>	<b>7805</b>
JAN'20	35622	0	35622	33691	0	33691	0	0	0	1881	0	1881
FEB.	37238	0	37238	33985	0	33985	1238	0	1238	1959	0	1959
MAR.	32919	0	32919	29843	0	29843	1231	0	1231	1727	0	1727
<b>4TH QTR.</b>	<b>105779</b>	<b>0</b>	<b>105779</b>	<b>97519</b>	<b>0</b>	<b>97519</b>	<b>2469</b>	<b>0</b>	<b>2469</b>	<b>5567</b>	<b>0</b>	<b>5567</b>
<b>2019-20</b>	<b>415775</b>	<b>128634</b>	<b>544409</b>	<b>391064</b>	<b>37925</b>	<b>428989</b>	<b>2469</b>	<b>38686</b>	<b>41155</b>	<b>20773</b>	<b>50120</b>	<b>70893</b>
2018-19	477377	314206	791583	474688	104592	579280	0	65579	65579	1300	141479	142779
2017-18	411641	322178	733819	405199	127912	533111	0	56938	56938	5351	135251	140602
2016-17	420862	221396	642258	395687	83948	479635	0	42678	42678	23595	92785	116380
2015-16	216613	157838	374451	216157	53827	269984	0	22824	22824	0	80691	80691

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(TANDEM MILL)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	OUTPUT						YIELD (%)		
	Unannealed Coil			Total			I	II	Total
	I	II	Total	I	II	Total			
APR'19	34	37	71	44451	21468	65919	99.8	99.7	99.7
MAY	60	42	102	37168	21515	58683	99.7	99.3	99.5
JUN.	42	64	106	35517	17927	53444	99.8	98.3	99.3
<b>1ST QTR</b>	<b>136</b>	<b>143</b>	<b>279</b>	<b>117136</b>	<b>60910</b>	<b>178046</b>	<b>99.7</b>	<b>99.1</b>	<b>99.5</b>
JUL.	59	100	159	36448	14786	51234	99.7	97.6	99.1
AUG.	110	69	179	32511	18384	50895	99.4	98.6	99.2
SEP.	60	35	95	27664	13646	41310	99.6	98.8	99.4
<b>2ND QTR</b>	<b>229</b>	<b>204</b>	<b>433</b>	<b>96623</b>	<b>46816</b>	<b>143439</b>	<b>99.6</b>	<b>98.3</b>	<b>99.2</b>
OCT.	25	47	72	28278	11878	40156	99.8	99.0	99.5
NOV.	32	32	64	33707	7553	41260	99.9	99.5	99.9
DEC.	9	0	9	33438	0	33438	99.9	-	99.9
<b>3RD QTR</b>	<b>66</b>	<b>79</b>	<b>145</b>	<b>95423</b>	<b>19431</b>	<b>114854</b>	<b>99.9</b>	<b>99.2</b>	<b>99.8</b>
JAN'20	18	0	18	35590	0	35590	99.9	-	99.9
FEB.	37	0	37	37219	0	37219	99.9	-	99.9
MAR.	37	0	37	32838	0	32838	99.8	-	99.8
<b>4TH QTR.</b>	<b>92</b>	<b>0</b>	<b>92</b>	<b>105647</b>	<b>0</b>	<b>105647</b>	<b>99.9</b>	<b>-</b>	<b>99.9</b>
<b>2019-20</b>	<b>523</b>	<b>426</b>	<b>949</b>	<b>414829</b>	<b>127157</b>	<b>541986</b>	<b>99.8</b>	<b>98.9</b>	<b>99.6</b>
2018-19	374	461	835	476362	312111	788473	99.8	99.3	99.6
2017-18	301	468	769	410851	320569	731420	99.8	99.5	99.7
2016-17	44	55	99	419326	219466	638792	99.6	99.1	99.5
2015-16	104	151	255	216261	157493	373754	99.8	99.8	99.8

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(TANDEM MILL)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	DAMAGE DEFECTIVE COIL REMOVED			SCRAP			ANNEALING FURNACE UNLOADING				C.A.L.	E.C.L.
	I	II	Total	I	II	Total	I	II	III	Total		
	APR'19	31	68	99	73	0	73	23310	16411	6380		
MAY	52	56	108	78	101	179	22982	14636	5229	42847	4531	0
JUN.	49	202	251	30	101	131	20456	13744	6348	40548	5740	0
<b>1ST QTR</b>	<b>132</b>	<b>326</b>	<b>458</b>	<b>181</b>	<b>202</b>	<b>383</b>	<b>66748</b>	<b>44791</b>	<b>17957</b>	<b>129496</b>	<b>15265</b>	<b>0</b>
JUL.	26	212	238	74	159	233	19654	13287	2858	35799	4762	0
AUG.	78	125	203	102	131	233	18599	12849	4280	35728	5944	0
SEP.	59	60	119	42	102	144	18369	9970	5178	33517	4688	0
<b>2ND QTR</b>	<b>163</b>	<b>397</b>	<b>560</b>	<b>218</b>	<b>392</b>	<b>610</b>	<b>56622</b>	<b>36106</b>	<b>12316</b>	<b>105044</b>	<b>15394</b>	<b>0</b>
OCT.	44	34	78	20	86	106	14208	11457	5060	30725	5038	0
NOV.	20	40	60	0	0	0	20921	14058	5463	40442	3297	0
DEC.	19	0	19	17	0	17	18188	12879	2420	33487	1714	0
<b>3RD QTR</b>	<b>83</b>	<b>74</b>	<b>157</b>	<b>37</b>	<b>86</b>	<b>123</b>	<b>53317</b>	<b>38394</b>	<b>12943</b>	<b>104654</b>	<b>10049</b>	<b>0</b>
JAN'20	32	0	32	0	0	0	18327	14091	0	32418	1429	0
FEB.	19	0	19	0	0	0	19608	13798	0	33406	765	0
MAR.	30	0	30	51	0	51	18234	12765	0	30999	1661	0
<b>4TH QTR.</b>	<b>81</b>	<b>0</b>	<b>81</b>	<b>51</b>	<b>0</b>	<b>51</b>	<b>56169</b>	<b>40654</b>	<b>0</b>	<b>96823</b>	<b>3855</b>	<b>0</b>
<b>2019-20</b>	<b>459</b>	<b>797</b>	<b>1256</b>	<b>487</b>	<b>680</b>	<b>1167</b>	<b>232856</b>	<b>159945</b>	<b>43216</b>	<b>436017</b>	<b>44563</b>	<b>0</b>
2018-19	499	951	1450	516	1144	1660	286969	202890	86760	576619	71038	60
2017-18	446	670	1116	344	939	1283	258529	187628	85320	531477	65245	4906
2016-17	453	219	672	1083	1711	2794	232589	171451	68024	472064	49551	10645
2015-16	288	272	560	64	73	137	117812	91968	52997	262777	22551	11545

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(SKIN PASS MILL)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	INPUT			OUTPUT								
	I	II	Total	For Sale			For Shearing			For Slitting		
				I	II	Total	I	II	Total	I	II	Total
APR'19	32774	12864	45638	29226	10696	39922	473	203	676	534	362	896
MAY	31572	12656	44228	28046	10555	38601	786	144	930	286	452	738
JUN.	25507	14632	40139	21875	11413	33288	1221	359	1580	301	1188	1489
<b>1ST QTR</b>	<b>89853</b>	<b>40152</b>	<b>130005</b>	<b>79147</b>	<b>32664</b>	<b>111811</b>	<b>2480</b>	<b>706</b>	<b>3186</b>	<b>1121</b>	<b>2002</b>	<b>3123</b>
JUL.	26060	9580	35640	23695	7534	31229	308	88	396	98	856	954
AUG.	21821	13126	34947	18872	10311	29183	771	15	786	290	1120	1410
SEP.	22602	9933	32535	19531	7688	27219	699	13	712	499	982	1481
<b>2ND QTR</b>	<b>70483</b>	<b>32639</b>	<b>103122</b>	<b>62098</b>	<b>25533</b>	<b>87631</b>	<b>1778</b>	<b>116</b>	<b>1894</b>	<b>887</b>	<b>2958</b>	<b>3845</b>
OCT.	19097	9576	28673	17097	7059	24156	29	22	51	594	1406	2000
NOV.	28892	12919	41811	24861	10383	35244	1300	14	1314	596	1014	1610
DEC.	23743	10078	33821	21269	8094	29363	676	0	676	338	1203	1541
<b>3RD QTR</b>	<b>71732</b>	<b>32573</b>	<b>104305</b>	<b>63227</b>	<b>25536</b>	<b>88763</b>	<b>2005</b>	<b>36</b>	<b>2041</b>	<b>1528</b>	<b>3623</b>	<b>5151</b>
JAN'20	24041	7894	31935	21383	5832	27215	289	157	446	894	1220	2114
FEB.	25021	8973	33994	22662	7474	30136	159	92	251	503	699	1202
MAR.	21709	10273	31982	20267	8853	29120	0	58	58	50	527	577
<b>4TH QTR.</b>	<b>70771</b>	<b>27140</b>	<b>97911</b>	<b>64312</b>	<b>22159</b>	<b>86471</b>	<b>448</b>	<b>307</b>	<b>755</b>	<b>1447</b>	<b>2446</b>	<b>3893</b>
<b>2019-20</b>	<b>302839</b>	<b>132504</b>	<b>435343</b>	<b>268784</b>	<b>105892</b>	<b>374676</b>	<b>6711</b>	<b>1165</b>	<b>7876</b>	<b>4983</b>	<b>11029</b>	<b>16012</b>
2018-19	394431	170952	565383	353041	135734	488775	11687	5162	16849	1973	12825	14798
2017-18	360908	164162	525070	314309	126103	440412	16059	4049	20108	4897	18337	23234
2016-17	330030	125575	455605	282927	91472	374399	17322	7448	24770	7815	15371	23186
2015-16	155576	77369	232945	138950	60099	199049	9385	6559	15944	1647	7874	9521

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(SKIN PASS MILL)

Unit - Tonne

Table No. 12.2(Contd.)

PERIOD	TOTAL OUTPUT			YIELD (%)			SCRAP GENERATION			YIELD OF CR COIL FROM HR COIL (%)		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
	APR'19	30233	11261	41494	92.2	87.5	90.9	2541	1603	4144	89.2	85.3
MAY	29118	11151	40269	92.2	88.1	91.0	2454	1505	3959	89.0	85.5	88.2
JUN.	23397	12960	36357	91.7	88.6	90.6	2110	1672	3782	88.8	85.1	87.5
<b>1ST QTR</b>	<b>82748</b>	<b>35372</b>	<b>118120</b>	<b>92.1</b>	<b>88.1</b>	<b>90.9</b>	<b>7105</b>	<b>4780</b>	<b>11885</b>	<b>89.0</b>	<b>85.3</b>	<b>88.0</b>
JUL.	24101	8478	32579	92.5	88.5	91.4	1959	1102	3061	89.4	83.9	87.9
AUG.	19933	11446	31379	91.3	87.2	89.8	1888	1680	3568	88.1	83.9	86.6
SEP.	20729	8683	29412	91.7	87.4	90.4	1873	1250	3123	88.6	84.5	87.4
<b>2ND QTR</b>	<b>64763</b>	<b>28607</b>	<b>93370</b>	<b>91.9</b>	<b>87.6</b>	<b>90.5</b>	<b>5720</b>	<b>4032</b>	<b>9752</b>	<b>88.8</b>	<b>84.0</b>	<b>87.3</b>
OCT.	17720	8487	26207	92.8	88.6	91.4	1377	1089	2466	89.8	85.7	88.5
NOV.	26757	11411	38168	92.6	88.3	91.3	2135	1508	3643	89.8	85.8	88.6
DEC.	22283	9297	31580	93.9	92.3	93.4	1460	781	2241	91.0	90.3	90.8
<b>3RD QTR</b>	<b>66760</b>	<b>29195</b>	<b>95955</b>	<b>93.1</b>	<b>89.6</b>	<b>92.0</b>	<b>4972</b>	<b>3378</b>	<b>8350</b>	<b>90.2</b>	<b>87.4</b>	<b>89.3</b>
JAN'20	22566	7209	29775	93.9	91.3	93.2	1475	685	2160	90.9	89.3	90.4
FEB.	23324	8265	31589	93.2	92.1	92.9	1697	708	2405	90.2	89.9	90.2
MAR.	20317	9438	29755	93.6	91.9	93.0	1392	835	2227	90.1	89.8	89.6
<b>4TH QTR.</b>	<b>66207</b>	<b>24912</b>	<b>91119</b>	<b>93.6</b>	<b>91.8</b>	<b>93.1</b>	<b>4564</b>	<b>2228</b>	<b>6792</b>	<b>90.4</b>	<b>89.6</b>	<b>90.2</b>
<b>2019-20</b>	<b>280478</b>	<b>118086</b>	<b>398564</b>	<b>92.6</b>	<b>89.1</b>	<b>91.6</b>	<b>22361</b>	<b>14418</b>	<b>36779</b>	<b>89.6</b>	<b>86.6</b>	<b>88.6</b>
<b>2018-19</b>	<b>366701</b>	<b>153721</b>	<b>520422</b>	<b>93.0</b>	<b>89.9</b>	<b>92.0</b>	<b>27730</b>	<b>17231</b>	<b>44961</b>	<b>90.0</b>	<b>87.4</b>	<b>89.3</b>
<b>2017-18</b>	<b>335265</b>	<b>148489</b>	<b>483754</b>	<b>92.9</b>	<b>90.5</b>	<b>92.1</b>	<b>25643</b>	<b>15673</b>	<b>41316</b>	<b>90.0</b>	<b>88.2</b>	<b>89.5</b>
<b>2016-17</b>	<b>308064</b>	<b>114291</b>	<b>422355</b>	<b>93.3</b>	<b>91.0</b>	<b>92.7</b>	<b>21966</b>	<b>11284</b>	<b>33250</b>	<b>90.3</b>	<b>88.2</b>	<b>89.7</b>
<b>2015-16</b>	<b>149982</b>	<b>74532</b>	<b>224514</b>	<b>96.4</b>	<b>96.3</b>	<b>96.4</b>	<b>5594</b>	<b>2837</b>	<b>8431</b>	<b>93.4</b>	<b>93.5</b>	<b>93.4</b>

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(C.R.C.F.)

Table No. 12.2(Contd.)

PERIOD	INPUT			OUTPUT									YIELD (%)			SCRAP		
	II	III	Total	Prime			Defective			Total			II	III	Total	II	III	Total
				II	III	Total	II	III	Total	II	III	Total						
APR'19	0	59	59	0	53	53	0	0	0	0	53	53	-	89.8	89.8	0	6	6
MAY	228	236	464	206	208	414	0	0	0	206	208	414	90.4	88.1	89.2	22	28	50
JUN.	758	1347	2105	691	1215	1906	0	0	0	691	1215	1906	91.2	90.2	90.5	67	132	199
<b>1ST QTR</b>	<b>986</b>	<b>1642</b>	<b>2628</b>	<b>897</b>	<b>1476</b>	<b>2373</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>897</b>	<b>1476</b>	<b>2373</b>	<b>91.0</b>	<b>89.9</b>	<b>90.3</b>	<b>89</b>	<b>166</b>	<b>255</b>
JUL.	301	176	477	269	158	427	0	0	0	269	158	427	89.4	89.8	89.5	32	18	50
AUG.	190	48	238	174	43	217	0	0	0	174	43	217	91.6	89.6	91.2	16	5	21
SEP.	565	16	581	512	14	526	0	0	0	512	14	526	90.6	87.5	90.5	53	2	55
<b>2ND QTR</b>	<b>1056</b>	<b>240</b>	<b>1296</b>	<b>955</b>	<b>215</b>	<b>1170</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>955</b>	<b>215</b>	<b>1170</b>	<b>90.4</b>	<b>89.6</b>	<b>90.3</b>	<b>101</b>	<b>25</b>	<b>126</b>
OCT.	44	0	44	40	0	40	0	0	0	40	0	40	90.9	-	90.9	4	0	4
NOV.	1271	0	1271	1150	0	1150	0	0	0	1150	0	1150	90.5	-	90.5	121	0	121
DEC.	320	0	320	288	0	288	0	0	0	288	0	288	90.0	-	90.0	32	0	32
<b>3RD QTR</b>	<b>1635</b>	<b>0</b>	<b>1635</b>	<b>1478</b>	<b>0</b>	<b>1478</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1478</b>	<b>0</b>	<b>1478</b>	<b>90.4</b>	<b>-</b>	<b>90.4</b>	<b>157</b>	<b>0</b>	<b>157</b>
JAN'20	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	0	0	0
FEB.	21	0	21	19	0	19	0	0	0	19	0	19	90.5	-	90.5	2	0	2
MAR.	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	0	0	0
<b>4TH QTR.</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>90.5</b>	<b>-</b>	<b>90.5</b>	<b>2</b>	<b>0</b>	<b>2</b>
<b>2019-20</b>	<b>3698</b>	<b>1882</b>	<b>5580</b>	<b>3349</b>	<b>1691</b>	<b>5040</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3349</b>	<b>1691</b>	<b>5040</b>	<b>90.6</b>	<b>89.9</b>	<b>90.3</b>	<b>349</b>	<b>191</b>	<b>540</b>
<b>2018-19</b>	<b>8021</b>	<b>11280</b>	<b>19301</b>	<b>7183</b>	<b>10044</b>	<b>17227</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7183</b>	<b>10044</b>	<b>17227</b>	<b>89.6</b>	<b>89.0</b>	<b>89.3</b>	<b>838</b>	<b>1236</b>	<b>2074</b>
<b>2017-18</b>	<b>11968</b>	<b>8382</b>	<b>20350</b>	<b>10450</b>	<b>7386</b>	<b>17836</b>	<b>174</b>	<b>80</b>	<b>254</b>	<b>10624</b>	<b>7466</b>	<b>18090</b>	<b>88.8</b>	<b>89.1</b>	<b>88.9</b>	<b>1344</b>	<b>916</b>	<b>2260</b>
<b>2016-17</b>	<b>8641</b>	<b>9418</b>	<b>18059</b>	<b>7394</b>	<b>8321</b>	<b>15715</b>	<b>215</b>	<b>81</b>	<b>296</b>	<b>7609</b>	<b>8402</b>	<b>16011</b>	<b>88.1</b>	<b>89.2</b>	<b>88.7</b>	<b>1032</b>	<b>1016</b>	<b>2048</b>
<b>2015-16</b>	<b>7264</b>	<b>6335</b>	<b>13599</b>	<b>6381</b>	<b>5672</b>	<b>12053</b>	<b>204</b>	<b>66</b>	<b>270</b>	<b>6585</b>	<b>5738</b>	<b>12323</b>	<b>90.7</b>	<b>90.6</b>	<b>90.6</b>	<b>679</b>	<b>597</b>	<b>1276</b>

# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(SLITTING LINE, DCR)

Table No. 12.2(Contd.)

PERIOD	SLITTING LINE												DCR			
	INPUT			OUTPUT			SCRAP			YIELD (%)			INPUT	OUTPUT	YIELD	SCRAP
	I	II	Total	I	II	Total	I	II	Total	I	II	Total				
APR'19	25	1833	1858	22	1652	1674	3	181	184	88.0	90.1	90.1	4407	3832	87.0	575
MAY	139	912	1051	124	825	949	15	87	102	89.2	90.5	90.3	4108	3740	91.0	368
JUN.	80	1416	1496	72	1219	1291	8	197	205	90.0	86.1	86.3	5351	4468	83.5	883
<b>1ST QTR</b>	<b>244</b>	<b>4161</b>	<b>4405</b>	<b>218</b>	<b>3696</b>	<b>3914</b>	<b>26</b>	<b>465</b>	<b>491</b>	<b>89.3</b>	<b>88.8</b>	<b>88.9</b>	<b>13866</b>	<b>12040</b>	<b>86.8</b>	<b>1826</b>
JUL.	104	883	987	93	784	877	11	99	110	89.4	88.8	88.9	4303	3599	83.6	704
AUG.	130	1612	1742	116	1427	1543	14	185	199	89.2	88.5	88.6	5414	4571	84.4	843
SEP.	98	1568	1666	87	1379	1466	11	189	200	88.8	87.9	88.0	4649	3901	83.9	748
<b>2ND QTR</b>	<b>332</b>	<b>4063</b>	<b>4395</b>	<b>296</b>	<b>3590</b>	<b>3886</b>	<b>36</b>	<b>473</b>	<b>509</b>	<b>89.2</b>	<b>88.4</b>	<b>88.4</b>	<b>14366</b>	<b>12071</b>	<b>84.0</b>	<b>2295</b>
OCT.	130	1937	2067	115	1693	1808	15	244	259	88.5	87.4	87.5	4527	4016	88.7	511
NOV.	45	1110	1155	40	982	1022	5	128	133	88.9	88.5	88.5	3268	2650	81.1	618
DEC.	37	1644	1681	33	1492	1525	4	152	156	89.2	90.8	90.7	1646	1520	92.3	126
<b>3RD QTR</b>	<b>212</b>	<b>4691</b>	<b>4903</b>	<b>188</b>	<b>4167</b>	<b>4355</b>	<b>24</b>	<b>524</b>	<b>548</b>	<b>88.7</b>	<b>88.8</b>	<b>88.8</b>	<b>9441</b>	<b>8186</b>	<b>86.7</b>	<b>1255</b>
JAN'20	91	1563	1654	81	1409	1490	10	154	164	89.0	90.1	90.1	1476	1360	92.1	116
FEB.	62	85	147	55	72	127	7	13	20	88.7	84.7	86.4	692	587	84.8	105
MAR.	0	57	57	0	49	49	0	8	8	-	86.0	86.0	1576	1450	92.0	126
<b>4TH QTR.</b>	<b>153</b>	<b>1705</b>	<b>1858</b>	<b>136</b>	<b>1530</b>	<b>1666</b>	<b>17</b>	<b>175</b>	<b>192</b>	<b>88.9</b>	<b>89.7</b>	<b>89.7</b>	<b>3744</b>	<b>3397</b>	<b>90.7</b>	<b>347</b>
<b>2019-20</b>	<b>941</b>	<b>14620</b>	<b>15561</b>	<b>838</b>	<b>12983</b>	<b>13821</b>	<b>103</b>	<b>1637</b>	<b>1740</b>	<b>89.1</b>	<b>88.8</b>	<b>88.8</b>	<b>41417</b>	<b>35694</b>	<b>86.2</b>	<b>5723</b>
<b>2018-19</b>	<b>1033</b>	<b>21232</b>	<b>22265</b>	<b>903</b>	<b>18832</b>	<b>19735</b>	<b>130</b>	<b>2400</b>	<b>2530</b>	<b>87.4</b>	<b>88.7</b>	<b>88.6</b>	<b>67509</b>	<b>58675</b>	<b>86.9</b>	<b>8834</b>
<b>2017-18</b>	<b>428</b>	<b>27340</b>	<b>27768</b>	<b>367</b>	<b>24282</b>	<b>24649</b>	<b>61</b>	<b>3058</b>	<b>3119</b>	<b>85.7</b>	<b>88.8</b>	<b>88.8</b>	<b>62653</b>	<b>53634</b>	<b>85.6</b>	<b>9019</b>
<b>2016-17</b>	<b>536</b>	<b>28293</b>	<b>28829</b>	<b>454</b>	<b>24902</b>	<b>25356</b>	<b>82</b>	<b>3391</b>	<b>3473</b>	<b>84.7</b>	<b>88.0</b>	<b>88.0</b>	<b>47768</b>	<b>41330</b>	<b>86.5</b>	<b>6438</b>
<b>2015-16</b>	<b>459</b>	<b>12658</b>	<b>13117</b>	<b>414</b>	<b>11437</b>	<b>11851</b>	<b>45</b>	<b>1221</b>	<b>1266</b>	<b>90.2</b>	<b>90.4</b>	<b>90.3</b>	<b>20957</b>	<b>19539</b>	<b>93.2</b>	<b>1418</b>



# उत्पादन एवं लब्धि PRODUCTION & YIELD

C.R.M.(H.D.G.L)

Unit - Tonne

Table No. 12.2(Contd.)

	INPUT			OUTPUT	YIELD (%)	SCRAP	Zinc Dross Production	GALVANISED PRODUCTS			
	Reduced CR Coil	Zinc	Total	Galvanised Coil				GP Sheet	GC Sheet	GP Coil for Sale	Total
APR'19	11575	254.64	11829.6	10077	85.2	1726.6	26.0	1305	70	8982	10357
MAY	13039	292.68	13331.7	11588	86.9	1713.7	30.0	812	416	9949	11177
JUN.	9413	206.43	9619.4	8169	84.9	1428.4	22.0	815	216	6978	8009
<b>1ST QTR</b>	<b>34027</b>	<b>753.75</b>	<b>34780.8</b>	<b>29834</b>	<b>85.8</b>	<b>4868.8</b>	<b>78.0</b>	<b>2932</b>	<b>702</b>	<b>25909</b>	<b>29543</b>
JUL.	10808	239.57	11047.6	9469	85.7	1553.6	25.0	603	462	7989	9054
AUG.	7162	156.91	7318.9	6207	84.8	1095.4	16.5	768	150	5360	6278
SEP.	3721	81.63	3802.6	3229	84.9	565.1	8.5	625	286	2473	3384
<b>2ND QTR</b>	<b>21691</b>	<b>478.11</b>	<b>22169.1</b>	<b>18905</b>	<b>85.3</b>	<b>3214.1</b>	<b>50.0</b>	<b>1996</b>	<b>898</b>	<b>15822</b>	<b>18716</b>
OCT.	0	0.00	0.0	0	-	0.0	0.0	656	20	0	676
NOV.	4318	93.75	4411.8	3716	84.2	685.8	10.0	600	455	2402	3457
DEC.	3778	87.38	3865.4	3465	89.6	392.4	8.0	545	30	3131	3706
<b>3RD QTR</b>	<b>8096</b>	<b>181.13</b>	<b>8277.1</b>	<b>7181</b>	<b>86.8</b>	<b>1078.1</b>	<b>18.0</b>	<b>1801</b>	<b>505</b>	<b>5533</b>	<b>7839</b>
JAN'20	2093	44.96	2138.0	1783	83.4	350.0	5.0	295	15	1496	1806
FEB.	5569	128.97	5698.0	5112	89.7	573.0	13.0	377	0	4386	4763
MAR.	1846	42.08	1888.1	1704	90.3	179.6	4.5	168	9	1533	1710
<b>4TH QTR.</b>	<b>9508</b>	<b>216.01</b>	<b>9724.0</b>	<b>8599</b>	<b>88.4</b>	<b>1102.5</b>	<b>22.5</b>	<b>840</b>	<b>24</b>	<b>7415</b>	<b>8279</b>
<b>2019-20</b>	<b>73322</b>	<b>1629.0</b>	<b>74951.0</b>	<b>64519</b>	<b>86.1</b>	<b>10263.5</b>	<b>168.5</b>	<b>7569</b>	<b>2129</b>	<b>54679</b>	<b>64377</b>
2018-19	145712	3315.5	149027.5	131423	88.2	17267.0	337.5	18115	2397	112406	132918
2017-18	141692	3253.7	144945.7	128897	88.9	15708.4	340.3	19782	1829	107501	129112
2016-17	122456	2846.7	125302.7	112932	90.1	12070.7	300.0	20499	4945	88672	114116
2015-16	91419	2202.7	93621.7	87206	93.1	6184.2	231.5	18881	6640	63908	89429

**उत्पादन एवं लब्धि**  
**PRODUCTION & YIELD**

**C.R.M I/II.(CR SALEABLE)**

**Unit - Tonne**

Table No. 12.2

PERIOD	CR COIL FOR SALE					CR Sheet	GALVANISED PRODUCTS				Total	Yield of CR Sal. from HRC
	SPM Route	Slit Coil	DCR Route	CR Sec.	Total		GP Coil	GP Sheet	GC Sheet	Total		
APR'19	39922	1674	3832	5511	50939	53	8982	1305	70	10357	61349	87.27
MAY	38601	949	3740	3563	46853	414	9949	812	416	11177	58444	87.36
JUN.	33288	1291	4468	3072	42119	1906	6978	815	216	8009	52034	86.37
<b>1ST QTR</b>	<b>111811</b>	<b>3914</b>	<b>12040</b>	<b>12146</b>	<b>139911</b>	<b>2373</b>	<b>25909</b>	<b>2932</b>	<b>702</b>	<b>29543</b>	<b>171827</b>	<b>87.04</b>
JUL.	31229	877	3599	3843	39548	427	7989	603	462	9054	49029	86.76
AUG.	29183	1543	4571	3969	39266	217	5360	768	150	6278	45761	85.94
SEP.	27219	1466	3901	6921	39507	526	2473	625	286	3384	43417	86.90
<b>2ND QTR</b>	<b>87631</b>	<b>3886</b>	<b>12071</b>	<b>14733</b>	<b>118321</b>	<b>1170</b>	<b>15822</b>	<b>1996</b>	<b>898</b>	<b>18716</b>	<b>138207</b>	<b>86.53</b>
OCT.	24156	1808	4016	5020	35000	40	0	656	20	676	35716	88.65
NOV.	35244	1022	2650	4510	43426	1150	2402	600	455	3457	48033	87.85
DEC.	29363	1525	1520	4675	37083	288	3131	545	30	3706	41077	90.46
<b>3RD QTR</b>	<b>88763</b>	<b>4355</b>	<b>8186</b>	<b>14205</b>	<b>115509</b>	<b>1478</b>	<b>5533</b>	<b>1801</b>	<b>505</b>	<b>7839</b>	<b>124826</b>	<b>88.84</b>
JAN'20	27215	1490	1360	2248	32313	0	1496	295	15	1806	34119	89.92
FEB.	30136	127	587	1474	32324	19	4386	377	0	4763	37106	89.88
MAR.	29120	49	1450	915	31534	0	1533	168	9	1710	33244	89.57
<b>4TH QTR.</b>	<b>86471</b>	<b>1666</b>	<b>3397</b>	<b>4637</b>	<b>96171</b>	<b>19</b>	<b>7415</b>	<b>840</b>	<b>24</b>	<b>8279</b>	<b>104469</b>	<b>89.84</b>
<b>2019-20</b>	<b>374676</b>	<b>13821</b>	<b>35694</b>	<b>45721</b>	<b>469912</b>	<b>5040</b>	<b>54679</b>	<b>7569</b>	<b>2129</b>	<b>64377</b>	<b>539329</b>	<b>87.89</b>
2018-19	488775	19735	58675	69136	636321	17227	112406	18115	2397	132918	786466	88.40
2017-18	440412	24649	53634	42768	561463	18090	107501	19782	1829	129112	708665	88.73
2016-17	374399	25356	41330	48995	490080	16011	88672	20499	4945	114116	620207	88.97
2015-16	199049	11851	19539	46895	277334	12323	63908	18881	6640	89429	379086	92.59

शीत धेल्लित कुण्डली का मोटाईवार उत्पादन  
THICKNESSWISE PRODUCTION OF C.R.COIL

C.R.M.	Unit - Tonne															Table No. 12.3(Contd.)
	THICKNESS in mm															
	0.30 to 0.37	0.40/ 0.43	0.45/ 0.48	0.50/ 0.52	0.55	0.58/ 0.59	0.60	0.63 to 0.67	0.70/ 0.71	0.75/ 0.78	0.80/ 0.85	0.90	1.00	1.05/ 1.10	1.12 to 1.18	
APR'19	0	0	408	1284	0	0	2140	551	651	0	4835	2930	9055	0	0	
MAY	0	0	165	1603	0	125	1972	57	323	0	6751	4639	8189	117	0	
JUN.	0	0	331	764	0	0	1246	3830	102	0	6312	1914	8808	412	0	
<b>1ST QTR</b>	<b>0</b>	<b>0</b>	<b>904</b>	<b>3651</b>	<b>0</b>	<b>125</b>	<b>5358</b>	<b>4438</b>	<b>1076</b>	<b>0</b>	<b>17898</b>	<b>9483</b>	<b>26052</b>	<b>529</b>	<b>0</b>	
JUL.	0	0	598	982	0	0	1863	220	489	104	1968	1437	7548	122	0	
AUG.	0	898	1360	1797	0	11	1330	96	741	65	3287	1657	6072	128	0	
SEP.	0	1321	1483	760	0	0	1014	0	373	216	3580	1534	5100	0	0	
<b>2ND QTR</b>	<b>0</b>	<b>2219</b>	<b>3441</b>	<b>3539</b>	<b>0</b>	<b>11</b>	<b>4207</b>	<b>316</b>	<b>1603</b>	<b>385</b>	<b>8835</b>	<b>4628</b>	<b>18720</b>	<b>250</b>	<b>0</b>	
OCT.	0	310	494	759	0	0	608	2982	524	179	3133	1285	5585	0	0	
NOV.	0	480	681	561	0	0	1065	403	210	595	2591	1330	7626	0	0	
DEC.	0	480	688	563	0	0	959	38	67	47	3146	1406	7282	0	6395	
<b>3RD QTR</b>	<b>0</b>	<b>1270</b>	<b>1863</b>	<b>1883</b>	<b>0</b>	<b>0</b>	<b>2632</b>	<b>3423</b>	<b>801</b>	<b>821</b>	<b>8870</b>	<b>4021</b>	<b>20493</b>	<b>0</b>	<b>6395</b>	
JAN'20	0	40	181	754	0	0	448	34	0	0	2588	869	6384	0	0	
FEB.	0	0	0	0	0	0	47	930	161	0	3246	1245	6994	19	0	
MAR.	0	0	0	0	0	0	58	2514	60	0	2692	544	7612	0	0	
<b>4TH QTR.</b>	<b>0</b>	<b>40</b>	<b>181</b>	<b>754</b>	<b>0</b>	<b>0</b>	<b>553</b>	<b>3478</b>	<b>221</b>	<b>0</b>	<b>8526</b>	<b>2658</b>	<b>20990</b>	<b>19</b>	<b>0</b>	
<b>2019-20</b>	<b>0</b>	<b>3529</b>	<b>6389</b>	<b>9827</b>	<b>0</b>	<b>136</b>	<b>12750</b>	<b>11655</b>	<b>3701</b>	<b>1206</b>	<b>44129</b>	<b>20790</b>	<b>86255</b>	<b>798</b>	<b>6395</b>	
2018-19	47	4453	12956	15053	0	273	16785	18666	7249	48	47850	27752	106194	6058	466	
2017-18	0	4489	11229	14129	0	50	16040	15336	5950	120	50130	19833	97024	2515	4716	
2016-17	0	2668	7362	10073	0	0	10401	18761	6159	0	48748	21972	89992	233	10620	
2015-16	0	1029	1936	2958	15	24	3775	15743	1227	24	22743	6548	50532	388	4895	

**शीत धेलित कुण्डली का मोटाईवार उत्पादन**  
**THICKNESSWISE PRODUCTION OF C.R.COIL**

C.R.M.	Unit - Tonne								Table No. 12.3		
	THICKNESS in mm								Total	CR Sec.	Total
	1.19/ 1.20	1.25/ 1.35	1.40/ 1.47	1.50/ 1.55	1.60/ 1.70	1.74/ 1.85	1.90	1.92 2.00			
APR'19	10027	2199	3967	4488	1476	129	0	1186	45326	5511	50837
MAY	7165	4256	1628	3402	2205	0	174	1238	44009	3563	47572
JUN.	6433	3038	447	3533	2380	0	249	1026	40825	3072	43897
<b>1ST QTR</b>	<b>23625</b>	<b>9493</b>	<b>6042</b>	<b>11423</b>	<b>6061</b>	<b>129</b>	<b>423</b>	<b>3450</b>	<b>130160</b>	<b>12146</b>	<b>142306</b>
JUL.	6994	1404	2495	3853	3625	519	149	1808	36178	3843	40021
AUG.	5928	2749	1416	3545	2687	119	251	1813	35950	3969	39919
SEP.	6753	2395	1466	3567	2581	0	94	1076	33313	6921	40234
<b>2ND QTR</b>	<b>19675</b>	<b>6548</b>	<b>5377</b>	<b>10965</b>	<b>8893</b>	<b>638</b>	<b>494</b>	<b>4697</b>	<b>105441</b>	<b>14733</b>	<b>120174</b>
OCT.	4640	1932	1298	3425	2290	0	79	700	30223	5020	35243
NOV.	7852	3086	1757	4266	4926	0	648	2741	40818	4510	45328
DEC.	1055	2474	1538	3672	1995	0	0	1295	33100	4675	37775
<b>3RD QTR</b>	<b>13547</b>	<b>7492</b>	<b>4593</b>	<b>11363</b>	<b>9211</b>	<b>0</b>	<b>727</b>	<b>4736</b>	<b>104141</b>	<b>14205</b>	<b>118346</b>
JAN'20	8676	929	1388	4074	2784	0	0	1986	31135	2248	33383
FEB.	9259	828	1304	4152	2642	124	55	1170	32176	1474	33650
MAR.	6059	696	1270	5077	2703	0	0	1920	31205	915	32120
<b>4TH QTR.</b>	<b>23994</b>	<b>2453</b>	<b>3962</b>	<b>13303</b>	<b>8129</b>	<b>124</b>	<b>55</b>	<b>5076</b>	<b>94516</b>	<b>4637</b>	<b>99153</b>
<b>2019-20</b>	<b>80841</b>	<b>25986</b>	<b>19974</b>	<b>47054</b>	<b>32294</b>	<b>891</b>	<b>1699</b>	<b>17959</b>	<b>434258</b>	<b>45721</b>	<b>479979</b>
2018-19	109764	39152	22208	72925	46488	1793	2551	20364	579095	69136	648231
2017-18	107377	36478	17079	60876	45374	2097	1719	24827	537388	42768	580156
2016-17	70669	29802	11036	48038	37074	5910	2011	32156	463685	48995	512680
2015-16	30128	27617	4076	28121	22780	4147	1221	14126	244053	46895	290948

प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION

Table No. 12.4(Contd.)

C.R.M.(PICKLING LINE)	Unit - (Hrs.:Mts.)								
	CALENDAR HRS.			SCH. S/D HRS.			AVAILABLE HRS.		
	I	II	Total	I	II	Total	I	II	Total
APR'19	720:00	720:00	1440:00	26:00	112:00	138:00	694:00	608:00	1302:00
MAY	744:00	744:00	1488:00	97:00	03:00	100:00	647:00	741:00	1388:00
JUN.	720:00	720:00	1440:00	11:00	18:00	29:00	709:00	702:00	1411:00
<b>1ST QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>134:00</b>	<b>133:00</b>	<b>267:00</b>	<b>2050:00</b>	<b>2051:00</b>	<b>4101:00</b>
JUL.	744:00	744:00	1488:00	25:00	08:00	33:00	719:00	736:00	1455:00
AUG.	744:00	744:00	1488:00	22:00	20:00	42:00	722:00	724:00	1446:00
SEP.	720:00	720:00	1440:00	08:00	140:00	148:00	712:00	580:00	1292:00
<b>2ND QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>55:00</b>	<b>168:00</b>	<b>223:00</b>	<b>2153:00</b>	<b>2040:00</b>	<b>4193:00</b>
OCT.	744:00	744:00	1488:00	23:00	122:00	145:00	721:00	622:00	1343:00
NOV.	720:00	720:00	1440:00	35:00	00:00	35:00	685:00	720:00	1405:00
DEC.	744:00	744:00	1488:00	18:00	06:00	24:00	726:00	738:00	1464:00
<b>3RD QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>76:00</b>	<b>128:00</b>	<b>204:00</b>	<b>2132:00</b>	<b>2080:00</b>	<b>4212:00</b>
JAN'20	744:00	744:00	1488:00	37:00	03:00	40:00	707:00	741:00	1448:00
FEB.	696:00	696:00	1392:00	21:00	00:00	21:00	675:00	696:00	1371:00
MAR.	744:00	744:00	1488:00	14:00	00:00	14:00	730:00	744:00	1474:00
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>72:00</b>	<b>03:00</b>	<b>75:00</b>	<b>2112:00</b>	<b>2181:00</b>	<b>4293:00</b>
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>17568:00</b>	<b>337:00</b>	<b>432:00</b>	<b>769:00</b>	<b>8447:00</b>	<b>8352:00</b>	<b>16799:00</b>
2018-19	8760:00	8760:00	17520:00	215:00	159:00	374:00	8545:00	8601:00	17146:00
2017-18	8760:00	8760:00	17520:00	1167:00	321:00	1488:00	7593:00	8439:00	16032:00
2016-17	8760:00	8760:00	17520:00	358:00	1087:00	1445:00	8402:00	7673:00	16075:00
2015-16	8784:00	8784:00	17568:00	2224:30	946:30	3171:00	6559:30	7837:30	14397:00

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

**C.R.M.(PICKLING LINE)**

Unit - (Hrs.:Mts.)

Table No. 12.4(Contd.)

PERIOD	DELAYS HRS.			WORKING HRS.			AVAILABILITY AGAINST CALENDAR HRS.(%)			UTILISATION AGAINST AVAILABLE HRS.(%)		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
	APR'19	279:00	258:00	537:00	415:00	350:00	765:00	96.4	84.4	90.4	59.8	57.6
MAY	294:00	269:00	563:00	353:00	472:00	825:00	87.0	99.6	93.3	54.6	63.7	59.4
JUN.	367:00	279:00	646:00	342:00	423:00	765:00	98.5	97.5	98.0	48.2	60.3	54.2
<b>1ST QTR</b>	<b>940:00</b>	<b>806:00</b>	<b>1746:00</b>	<b>1110:00</b>	<b>1245:00</b>	<b>2355:00</b>	<b>93.9</b>	<b>93.9</b>	<b>93.9</b>	<b>54.1</b>	<b>60.7</b>	<b>57.4</b>
JUL.	327:00	326:00	653:00	392:00	410:00	802:00	96.6	98.9	97.8	54.5	55.7	55.1
AUG.	440:00	275:00	715:00	282:00	449:00	731:00	97.0	97.3	97.2	39.1	62.0	50.6
SEP.	390:00	235:00	625:00	322:00	345:00	667:00	98.9	80.6	89.7	45.2	59.5	51.6
<b>2ND QTR</b>	<b>1157:00</b>	<b>836:00</b>	<b>1993:00</b>	<b>996:00</b>	<b>1204:00</b>	<b>2200:00</b>	<b>97.5</b>	<b>92.4</b>	<b>95.0</b>	<b>46.3</b>	<b>59.0</b>	<b>52.5</b>
OCT.	393:00	251:00	644:00	328:00	371:00	699:00	96.9	83.6	90.3	45.5	59.6	52.0
NOV.	327:00	507:00	834:00	358:00	213:00	571:00	95.1	100.0	97.6	52.3	29.6	40.6
DEC.	351:00	526:00	877:00	375:00	212:00	587:00	97.6	99.2	98.4	51.7	28.7	40.1
<b>3RD QTR</b>	<b>1071:00</b>	<b>1284:00</b>	<b>2355:00</b>	<b>1061:00</b>	<b>796:00</b>	<b>1857:00</b>	<b>96.6</b>	<b>94.2</b>	<b>95.4</b>	<b>49.8</b>	<b>38.3</b>	<b>44.1</b>
JAN'20	279:00	622:00	901:00	428:00	119:00	547:00	95.0	99.6	97.3	60.5	16.1	37.8
FEB.	310:00	390:00	700:00	365:00	306:00	671:00	97.0	100.0	98.5	54.1	44.0	48.9
MAR.	425:00	710:00	1135:00	305:00	34:00	339:00	98.1	100.0	99.1	41.8	4.6	23.0
<b>4TH QTR.</b>	<b>1014:00</b>	<b>1722:00</b>	<b>2736:00</b>	<b>1098:00</b>	<b>459:00</b>	<b>1557:00</b>	<b>96.7</b>	<b>99.9</b>	<b>98.3</b>	<b>52.0</b>	<b>21.0</b>	<b>36.3</b>
<b>2019-20</b>	<b>4182:00</b>	<b>4648:00</b>	<b>8830:00</b>	<b>4265:00</b>	<b>3704:00</b>	<b>7969:00</b>	<b>96.2</b>	<b>95.1</b>	<b>95.6</b>	<b>50.5</b>	<b>44.3</b>	<b>47.4</b>
2018-19	3790:00	3328:00	7118:00	4755:00	5273:00	10028:00	97.5	98.2	97.9	55.6	61.3	58.5
2017-18	3145:00	3264:00	6409:00	4448:00	5175:00	9623:00	86.7	96.3	91.5	58.6	61.3	60.0
2016-17	3572:00	3563:25	7135:25	4830:00	4109:35	8939:35	95.9	87.6	91.8	57.5	53.6	55.6
2015-16	2952:00	3614:10	6566:10	3607:30	4223:20	7830:50	74.7	89.2	82.0	55.0	53.9	54.4

**प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION**

C.R.M.(TANDEM MILL)

Unit - (Hrs.:Mts.)

Table No. 12.4(Contd.)

PERIOD	CALENDAR HRS.			SCH. S/D HRS.			AVAILABLE HRS.		
	I	II	Total	I	II	Total	I	II	Total
APR'19	720:00	720:00	1440:00	96:00	24:00	120:00	624:00	696:00	1320:00
MAY	744:00	744:00	1488:00	120:00	32:00	152:00	624:00	712:00	1336:00
JUN.	720:00	720:00	1440:00	96:00	42:00	138:00	624:00	678:00	1302:00
<b>1ST QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>312:00</b>	<b>98:00</b>	<b>410:00</b>	<b>1872:00</b>	<b>2086:00</b>	<b>3958:00</b>
JUL.	744:00	744:00	1488:00	120:00	38:00	158:00	624:00	706:00	1330:00
AUG.	744:00	744:00	1488:00	96:00	34:00	130:00	648:00	710:00	1358:00
SEP.	720:00	720:00	1440:00	96:00	111:00	207:00	624:00	609:00	1233:00
<b>2ND QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>312:00</b>	<b>183:00</b>	<b>495:00</b>	<b>1896:00</b>	<b>2025:00</b>	<b>3921:00</b>
OCT.	744:00	744:00	1488:00	120:00	149:00	269:00	624:00	595:00	1219:00
NOV.	720:00	720:00	1440:00	96:00	15:00	111:00	624:00	705:00	1329:00
DEC.	744:00	744:00	1488:00	96:00	00:00	96:00	648:00	744:00	1392:00
<b>3RD QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>312:00</b>	<b>164:00</b>	<b>476:00</b>	<b>1896:00</b>	<b>2044:00</b>	<b>3940:00</b>
JAN'20	744:00	744:00	1488:00	120:00	00:00	120:00	624:00	744:00	1368:00
FEB.	696:00	696:00	1392:00	96:00	00:00	96:00	600:00	696:00	1296:00
MAR.	744:00	744:00	1488:00	96:00	00:00	96:00	648:00	744:00	1392:00
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>312:00</b>	<b>00:00</b>	<b>312:00</b>	<b>1872:00</b>	<b>2184:00</b>	<b>4056:00</b>
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>17568:00</b>	<b>1248:00</b>	<b>445:00</b>	<b>1693:00</b>	<b>7536:00</b>	<b>8339:00</b>	<b>15875:00</b>
2018-19	8760:00	8760:00	17520:00	1224:00	395:00	1619:00	7536:00	8365:00	15901:00
2017-18	8760:00	8760:00	17520:00	2040:00	390:00	2430:00	6720:00	8370:00	15090:00
2016-17	8760:00	8760:00	17520:00	1248:00	1085:00	2333:00	7512:00	7675:00	15187:00
2015-16	8784:00	8784:00	17568:00	2352:00	797:00	3149:00	6432:00	7987:00	14419:00

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

C.R.M.(TANDEM MILL)

Unit - (Hrs.:Mts.)

Table No. 12.4(Contd.)

PERIOD	DELAYS HRS.			WORKING HRS.			AVAILABILITY AGAINST CALENDAR HRS.(%)			UTILISATION AGAINST AVAILABLE HRS.(%)		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
	APR'19	164:00	244:00	408:00	460:00	452:00	912:00	86.7	96.7	91.7	73.7	64.9
MAY	185:00	268:00	453:00	439:00	444:00	883:00	83.9	95.7	89.8	70.4	62.4	66.1
JUN.	207:00	281:00	488:00	417:00	397:00	814:00	86.7	94.2	90.4	66.8	58.6	62.5
<b>1ST QTR</b>	<b>556:00</b>	<b>793:00</b>	<b>1349:00</b>	<b>1316:00</b>	<b>1293:00</b>	<b>2609:00</b>	<b>85.7</b>	<b>95.5</b>	<b>90.6</b>	<b>70.3</b>	<b>62.0</b>	<b>65.9</b>
JUL.	231:00	299:00	530:00	393:00	407:00	800:00	83.9	94.9	89.4	63.0	57.6	60.2
AUG.	218:00	240:00	458:00	430:00	470:00	900:00	87.1	95.4	91.3	66.4	66.2	66.3
SEP.	287:00	260:00	547:00	337:00	349:00	686:00	86.7	84.6	85.6	54.0	57.3	55.6
<b>2ND QTR</b>	<b>736:00</b>	<b>799:00</b>	<b>1535:00</b>	<b>1160:00</b>	<b>1226:00</b>	<b>2386:00</b>	<b>85.9</b>	<b>91.7</b>	<b>88.8</b>	<b>61.2</b>	<b>60.5</b>	<b>60.9</b>
OCT.	285:00	280:00	565:00	339:00	315:00	654:00	83.9	80.0	81.9	54.3	52.9	53.7
NOV.	246:00	515:00	761:00	378:00	190:00	568:00	86.7	97.9	92.3	60.6	27.0	42.7
DEC.	240:00	744:00	984:00	408:00	00:00	408:00	87.1	100.0	93.5	63.0	0.0	29.3
<b>3RD QTR</b>	<b>771:00</b>	<b>1539:00</b>	<b>2310:00</b>	<b>1125:00</b>	<b>505:00</b>	<b>1630:00</b>	<b>85.9</b>	<b>92.6</b>	<b>89.2</b>	<b>59.3</b>	<b>24.7</b>	<b>41.4</b>
JAN'20	206:00	744:00	950:00	418:00	00:00	418:00	83.9	100.0	91.9	67.0	0.0	30.6
FEB.	170:00	696:00	866:00	430:00	00:00	430:00	86.2	100.0	93.1	71.7	0.0	33.2
MAR.	270:00	744:00	1014:00	378:00	00:00	378:00	87.1	100.0	93.5	58.3	0.0	27.2
<b>4TH QTR.</b>	<b>646:00</b>	<b>2184:00</b>	<b>2830:00</b>	<b>1226:00</b>	<b>00:00</b>	<b>1226:00</b>	<b>85.7</b>	<b>100.0</b>	<b>92.9</b>	<b>65.5</b>	<b>0.0</b>	<b>30.2</b>
<b>2019-20</b>	<b>2709:00</b>	<b>5315:00</b>	<b>8024:00</b>	<b>4827:00</b>	<b>3024:00</b>	<b>7851:00</b>	<b>85.8</b>	<b>94.9</b>	<b>90.4</b>	<b>64.1</b>	<b>36.3</b>	<b>49.5</b>
<b>2018-19</b>	<b>2744:00</b>	<b>2991:00</b>	<b>5735:00</b>	<b>4792:00</b>	<b>5374:00</b>	<b>10166:00</b>	<b>86.0</b>	<b>95.5</b>	<b>90.8</b>	<b>63.6</b>	<b>64.2</b>	<b>63.9</b>
<b>2017-18</b>	<b>2360:00</b>	<b>2983:00</b>	<b>5343:00</b>	<b>4360:00</b>	<b>5387:00</b>	<b>9747:00</b>	<b>76.7</b>	<b>95.5</b>	<b>86.1</b>	<b>64.9</b>	<b>64.4</b>	<b>64.6</b>
<b>2016-17</b>	<b>2955:15</b>	<b>3408:00</b>	<b>6363:15</b>	<b>4556:45</b>	<b>4267:00</b>	<b>8823:45</b>	<b>85.8</b>	<b>87.6</b>	<b>86.7</b>	<b>60.7</b>	<b>55.6</b>	<b>58.1</b>
<b>2015-16</b>	<b>3442:35</b>	<b>4029:27</b>	<b>7472:02</b>	<b>2989:25</b>	<b>3957:33</b>	<b>6946:58</b>	<b>73.2</b>	<b>90.9</b>	<b>82.1</b>	<b>46.5</b>	<b>49.5</b>	<b>48.2</b>



**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

**C.R.M.(SKIN PASS MILL)**

**Unit - (Hrs.:Mts.)**

Table No. 12.4(Contd.)

PERIOD	CALENDAR HRS.			SCH. S/D HRS.			AVAILABLE HRS.			NON OPERATING HRS.		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
APR'19	720:00	720:00	1440:00	23:00	11:00	34:00	697:00	709:00	1406:00	00:00	240:00	240:00
MAY	744:00	744:00	1488:00	29:00	28:00	57:00	715:00	716:00	1431:00	00:00	248:00	248:00
JUN.	720:00	720:00	1440:00	23:00	00:00	23:00	697:00	720:00	1417:00	00:00	240:00	240:00
<b>1ST QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>75:00</b>	<b>39:00</b>	<b>114:00</b>	<b>2109:00</b>	<b>2145:00</b>	<b>4254:00</b>	<b>00:00</b>	<b>728:00</b>	<b>728:00</b>
JUL.	744:00	744:00	1488:00	08:00	20:00	28:00	736:00	724:00	1460:00	00:00	248:00	248:00
AUG.	744:00	744:00	1488:00	11:00	00:00	11:00	733:00	744:00	1477:00	00:00	248:00	248:00
SEP.	720:00	720:00	1440:00	03:00	00:00	03:00	717:00	720:00	1437:00	00:00	240:00	240:00
<b>2ND QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>22:00</b>	<b>20:00</b>	<b>42:00</b>	<b>2186:00</b>	<b>2188:00</b>	<b>4374:00</b>	<b>00:00</b>	<b>736:00</b>	<b>736:00</b>
OCT.	744:00	744:00	1488:00	00:00	00:00	00:00	744:00	744:00	1488:00	00:00	248:00	248:00
NOV.	720:00	720:00	1440:00	05:00	00:00	05:00	715:00	720:00	1435:00	00:00	240:00	240:00
DEC.	744:00	744:00	1488:00	09:00	16:00	25:00	735:00	728:00	1463:00	00:00	248:00	248:00
<b>3RD QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>14:00</b>	<b>16:00</b>	<b>30:00</b>	<b>2194:00</b>	<b>2192:00</b>	<b>4386:00</b>	<b>00:00</b>	<b>736:00</b>	<b>736:00</b>
JAN'20	744:00	744:00	1488:00	00:00	00:00	00:00	744:00	744:00	1488:00	00:00	248:00	248:00
FEB.	696:00	696:00	1392:00	14:00	16:00	30:00	682:00	680:00	1362:00	00:00	232:00	232:00
MAR.	744:00	744:00	1488:00	12:00	07:00	19:00	732:00	737:00	1469:00	00:00	248:00	248:00
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>26:00</b>	<b>23:00</b>	<b>49:00</b>	<b>2158:00</b>	<b>2161:00</b>	<b>4319:00</b>	<b>00:00</b>	<b>728:00</b>	<b>728:00</b>
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>17568:00</b>	<b>137:00</b>	<b>98:00</b>	<b>235:00</b>	<b>8647:00</b>	<b>8686:00</b>	<b>17333:00</b>	<b>00:00</b>	<b>2928:00</b>	<b>2928:00</b>
2018-19	8760:00	8760:00	17520:00	105:00	151:00	256:00	8655:00	8609:00	17264:00	00:00	2920:00	2920:00
2017-18	8760:00	8760:00	17520:00	333:00	210:00	543:00	8427:00	8550:00	16977:00	00:00	2920:00	2920:00
2016-17	8760:00	8760:00	17520:00	180:00	639:00	819:00	8580:00	8121:00	16701:00	00:00	2920:00	2920:00
2015-16	8784:00	8784:00	17568:00	172:00	126:00	298:00	8612:00	8658:00	17270:00	00:00	2928:00	2928:00

**प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION**

**C.R.M.(SKIN PASS MILL)**

Unit - (Hrs.:Mts.)

Table No. 12.4(Contd.)

PERIOD	DELAYS HRS.			WORKING HRS.			AVAILABILITY AGAINST CALENDAR HRS.(%)			UTILISATION AGAINST AVAILABLE HRS.(%)		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
	APR'19	139:00	159:00	298:00	558:00	310:00	868:00	96.8	98.5	97.6	80.1	43.7
MAY	170:00	172:00	342:00	545:00	296:00	841:00	96.1	96.2	96.2	76.2	41.3	58.8
JUN.	227:00	142:00	369:00	470:00	338:00	808:00	96.8	100.0	98.4	67.4	46.9	57.0
<b>1ST QTR</b>	<b>536:00</b>	<b>473:00</b>	<b>1009:00</b>	<b>1573:00</b>	<b>944:00</b>	<b>2517:00</b>	<b>96.6</b>	<b>98.2</b>	<b>97.4</b>	<b>74.6</b>	<b>44.0</b>	<b>59.2</b>
JUL.	276:00	276:00	552:00	460:00	200:00	660:00	98.9	97.3	98.1	62.5	27.6	45.2
AUG.	354:00	159:00	513:00	379:00	337:00	716:00	98.5	100.0	99.3	51.7	45.3	48.5
SEP.	312:00	210:00	522:00	405:00	270:00	675:00	99.6	100.0	99.8	56.5	37.5	47.0
<b>2ND QTR</b>	<b>942:00</b>	<b>645:00</b>	<b>1587:00</b>	<b>1244:00</b>	<b>807:00</b>	<b>2051:00</b>	<b>99.0</b>	<b>99.1</b>	<b>99.0</b>	<b>56.9</b>	<b>36.9</b>	<b>46.9</b>
OCT.	381:00	263:00	644:00	363:00	233:00	596:00	100.0	100.0	100.0	48.8	31.3	40.1
NOV.	195:00	146:00	341:00	520:00	334:00	854:00	99.3	100.0	99.7	72.7	46.4	59.5
DEC.	247:00	179:00	426:00	488:00	301:00	789:00	98.8	97.8	98.3	66.4	41.3	53.9
<b>3RD QTR</b>	<b>823:00</b>	<b>588:00</b>	<b>1411:00</b>	<b>1371:00</b>	<b>868:00</b>	<b>2239:00</b>	<b>99.4</b>	<b>99.3</b>	<b>99.3</b>	<b>62.5</b>	<b>39.6</b>	<b>51.0</b>
JAN'20	311:00	282:00	593:00	433:00	214:00	647:00	100.0	100.0	100.0	58.2	28.8	43.5
FEB.	231:00	244:00	475:00	451:00	204:00	655:00	98.0	97.7	97.8	66.1	30.0	48.1
MAR.	346:00	241:00	587:00	386:00	248:00	634:00	98.4	99.1	98.7	52.7	33.6	43.2
<b>4TH QTR.</b>	<b>888:00</b>	<b>767:00</b>	<b>1655:00</b>	<b>1270:00</b>	<b>666:00</b>	<b>1936:00</b>	<b>98.8</b>	<b>98.9</b>	<b>98.9</b>	<b>58.9</b>	<b>30.8</b>	<b>44.8</b>
<b>2019-20</b>	<b>3189:00</b>	<b>2473:00</b>	<b>5662:00</b>	<b>5458:00</b>	<b>3285:00</b>	<b>8743:00</b>	<b>98.4</b>	<b>98.9</b>	<b>98.7</b>	<b>63.1</b>	<b>37.8</b>	<b>50.4</b>
<b>2018-19</b>	<b>2279:00</b>	<b>1736:00</b>	<b>4015:00</b>	<b>6376:00</b>	<b>3953:00</b>	<b>10329:00</b>	<b>98.8</b>	<b>98.3</b>	<b>98.5</b>	<b>73.7</b>	<b>45.9</b>	<b>59.8</b>
<b>2017-18</b>	<b>2076:00</b>	<b>2014:00</b>	<b>4090:00</b>	<b>6351:00</b>	<b>3616:00</b>	<b>9967:00</b>	<b>96.2</b>	<b>97.6</b>	<b>96.9</b>	<b>75.4</b>	<b>42.3</b>	<b>58.7</b>
<b>2016-17</b>	<b>2529:45</b>	<b>2074:30</b>	<b>4604:15</b>	<b>6050:15</b>	<b>3126:30</b>	<b>9176:45</b>	<b>97.9</b>	<b>92.7</b>	<b>95.3</b>	<b>70.5</b>	<b>38.5</b>	<b>54.9</b>
<b>2015-16</b>	<b>4884:05</b>	<b>3248:30</b>	<b>8132:35</b>	<b>3727:55</b>	<b>2481:30</b>	<b>6209:25</b>	<b>98.0</b>	<b>98.6</b>	<b>98.3</b>	<b>43.3</b>	<b>28.7</b>	<b>36.0</b>

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

C.R.M.(C.R.C.F.)	Unit - (Hrs.:Mts.)																Table No. 12.4(Contd.)
	CALENDAR HRS.				SCH. S/D HRS				AVAILABLE HRS.				NON OPERATING HRS.				
	PERIOD	I	II	III	Total	I	II	III	Total	I	II	III	Total	I	II	III	
APR'19	720:00	720:00	720:00	2160:00	00:00	40:00	32:00	72:00	720:00	680:00	688:00	2088:00	720:00	480:00	480:00	1680:00	
MAY	744:00	744:00	744:00	2232:00	00:00	32:00	40:00	72:00	744:00	712:00	704:00	2160:00	744:00	496:00	496:00	1736:00	
JUN.	720:00	720:00	720:00	2160:00	00:00	32:00	32:00	64:00	720:00	688:00	688:00	2096:00	720:00	480:00	480:00	1680:00	
<b>1ST QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>6552:00</b>	<b>00:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2184:00</b>	<b>2080:00</b>	<b>2080:00</b>	<b>6344:00</b>	<b>2184:00</b>	<b>1456:00</b>	<b>1456:00</b>	<b>5096:00</b>	
JUL.	744:00	744:00	744:00	2232:00	00:00	40:00	40:00	80:00	744:00	704:00	704:00	2152:00	744:00	496:00	496:00	1736:00	
AUG.	744:00	744:00	744:00	2232:00	00:00	32:00	32:00	64:00	744:00	712:00	712:00	2168:00	744:00	496:00	496:00	1736:00	
SEP.	720:00	720:00	720:00	2160:00	00:00	32:00	32:00	64:00	720:00	688:00	688:00	2096:00	720:00	480:00	480:00	1680:00	
<b>2ND QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>2208:00</b>	<b>6624:00</b>	<b>00:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2208:00</b>	<b>2104:00</b>	<b>2104:00</b>	<b>6416:00</b>	<b>2208:00</b>	<b>1472:00</b>	<b>1472:00</b>	<b>5152:00</b>	
OCT.	744:00	744:00	744:00	2232:00	00:00	40:00	40:00	80:00	744:00	704:00	704:00	2152:00	744:00	496:00	496:00	1736:00	
NOV.	720:00	720:00	720:00	2160:00	00:00	32:00	32:00	64:00	720:00	688:00	688:00	2096:00	720:00	480:00	480:00	1680:00	
DEC.	744:00	744:00	744:00	2232:00	00:00	40:00	32:00	72:00	744:00	704:00	712:00	2160:00	744:00	496:00	496:00	1736:00	
<b>3RD QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>2208:00</b>	<b>6624:00</b>	<b>00:00</b>	<b>112:00</b>	<b>104:00</b>	<b>216:00</b>	<b>2208:00</b>	<b>2096:00</b>	<b>2104:00</b>	<b>6408:00</b>	<b>2208:00</b>	<b>1472:00</b>	<b>1472:00</b>	<b>5152:00</b>	
JAN'20	744:00	744:00	744:00	2232:00	00:00	32:00	40:00	72:00	744:00	712:00	704:00	2160:00	744:00	496:00	496:00	1736:00	
FEB.	696:00	696:00	696:00	2088:00	00:00	32:00	32:00	64:00	696:00	664:00	664:00	2024:00	696:00	464:00	464:00	1624:00	
MAR.	744:00	744:00	744:00	2232:00	00:00	40:00	32:00	72:00	744:00	704:00	712:00	2160:00	744:00	496:00	496:00	1736:00	
<b>4TH QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>6552:00</b>	<b>00:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2184:00</b>	<b>2080:00</b>	<b>2080:00</b>	<b>6344:00</b>	<b>2184:00</b>	<b>1456:00</b>	<b>1456:00</b>	<b>5096:00</b>	
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>8784:00</b>	<b>26352:00</b>	<b>00:00</b>	<b>424:00</b>	<b>416:00</b>	<b>840:00</b>	<b>8784:00</b>	<b>8360:00</b>	<b>8368:00</b>	<b>25512:00</b>	<b>8784:00</b>	<b>5856:00</b>	<b>5856:00</b>	<b>20496:00</b>	
2018-19	8760:00	8760:00	8760:00	26280:00	00:00	424:00	424:00	848:00	8760:00	8336:00	8336:00	25432:00	8760:00	5840:00	5840:00	20440:00	
2017-18	8760:00	8760:00	8760:00	26280:00	00:00	416:00	416:00	832:00	8760:00	8344:00	8344:00	25448:00	8760:00	5760:00	5680:00	20200:00	
2016-17	8760:00	8760:00	8760:00	26280:00	00:00	416:00	416:00	832:00	8760:00	8344:00	8344:00	25448:00	8760:00	5840:00	5840:00	20440:00	
2015-16	8784:00	8784:00	8784:00	26352:00	00:00	416:00	424:00	840:00	8784:00	8368:00	8360:00	25512:00	8784:00	5856:00	5856:00	20496:00	

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

C.R.M.(C.R.C.F.)	Unit - (Hrs.:Mts.)																Table No. 12.4(Contd.)
	DELAYS HRS.				WORKING HRS.				AVAILABILITY AGAINST CALENDAR HRS.(%)				UTILISATION AGAINST AVAILABLE HRS.(%)				
	PERIOD	I	II	III	Total	I	II	III	Total	I	II	III	Total	I	II	III	Total
APR'19	00:00	200:00	205:00	405:00	00:00	00:00	03:00	03:00	100.0	94.4	95.6	96.7	0.0	0.0	0.4	0.1	
MAY	00:00	202:00	192:00	394:00	00:00	14:00	16:00	30:00	100.0	95.7	94.6	96.8	0.0	2.0	2.3	1.4	
JUN.	00:00	168:00	128:00	296:00	00:00	40:00	80:00	120:00	100.0	95.6	95.6	97.0	0.0	5.8	11.6	5.7	
<b>1ST QTR</b>	<b>00:00</b>	<b>570:00</b>	<b>525:00</b>	<b>1095:00</b>	<b>00:00</b>	<b>54:00</b>	<b>99:00</b>	<b>153:00</b>	<b>100.0</b>	<b>95.2</b>	<b>95.2</b>	<b>96.8</b>	<b>0.0</b>	<b>2.6</b>	<b>4.8</b>	<b>2.4</b>	
JUL.	00:00	193:00	198:00	391:00	00:00	15:00	10:00	25:00	100.0	94.6	94.6	96.4	0.0	2.1	1.4	1.2	
AUG.	00:00	203:00	212:00	415:00	00:00	13:00	04:00	17:00	100.0	95.7	95.7	97.1	0.0	1.8	0.6	0.8	
SEP.	00:00	175:00	206:00	381:00	00:00	33:00	02:00	35:00	100.0	95.6	95.6	97.0	0.0	4.8	0.3	1.7	
<b>2ND QTR</b>	<b>00:00</b>	<b>571:00</b>	<b>616:00</b>	<b>1187:00</b>	<b>00:00</b>	<b>61:00</b>	<b>16:00</b>	<b>77:00</b>	<b>100.0</b>	<b>95.3</b>	<b>95.3</b>	<b>96.9</b>	<b>0.0</b>	<b>2.9</b>	<b>0.8</b>	<b>1.2</b>	
OCT.	00:00	206:00	208:00	414:00	00:00	02:00	00:00	02:00	100.0	94.6	94.6	96.4	0.0	0.3	0.0	0.1	
NOV.	00:00	135:00	208:00	343:00	00:00	73:00	00:00	73:00	100.0	95.6	95.6	97.0	0.0	10.6	0.0	3.5	
DEC.	00:00	193:00	216:00	409:00	00:00	15:00	00:00	15:00	100.0	94.6	95.7	96.8	0.0	2.1	0.0	0.7	
<b>3RD QTR</b>	<b>00:00</b>	<b>534:00</b>	<b>632:00</b>	<b>1166:00</b>	<b>00:00</b>	<b>90:00</b>	<b>00:00</b>	<b>90:00</b>	<b>100.0</b>	<b>94.9</b>	<b>95.3</b>	<b>96.7</b>	<b>0.0</b>	<b>4.3</b>	<b>0.0</b>	<b>1.4</b>	
JAN'20	00:00	216:00	208:00	424:00	00:00	00:00	00:00	00:00	100.0	95.7	94.6	96.8	0.0	0.0	0.0	0.0	
FEB.	00:00	199:00	200:00	399:00	00:00	01:00	00:00	01:00	100.0	95.4	95.4	96.9	0.0	0.2	0.0	0.0	
MAR.	00:00	208:00	216:00	424:00	00:00	00:00	00:00	00:00	100.0	94.6	95.7	96.8	0.0	0.0	0.0	0.0	
<b>4TH QTR.</b>	<b>00:00</b>	<b>623:00</b>	<b>624:00</b>	<b>1247:00</b>	<b>00:00</b>	<b>01:00</b>	<b>00:00</b>	<b>01:00</b>	<b>100.0</b>	<b>95.2</b>	<b>95.2</b>	<b>96.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>2019-20</b>	<b>00:00</b>	<b>2298:00</b>	<b>2397:00</b>	<b>4695:00</b>	<b>00:00</b>	<b>206:00</b>	<b>115:00</b>	<b>321:00</b>	<b>100.0</b>	<b>95.2</b>	<b>95.3</b>	<b>96.8</b>	<b>0.0</b>	<b>2.5</b>	<b>1.4</b>	<b>1.3</b>	
2018-19	00:00	2058:00	1909:00	3967:00	00:00	438:00	587:00	1025:00	100.0	95.2	95.2	96.8	0.0	5.3	7.0	4.0	
2017-18	00:00	2003:00	2218:00	4221:00	00:00	581:00	446:00	1027:00	100.0	95.3	95.3	96.8	0.0	7.0	5.3	4.0	
2016-17	00:00	2086:00	2039:00	4125:00	00:00	418:00	465:00	883:00	100.0	95.3	95.3	96.8	0.0	5.0	5.6	3.5	
2015-16	00:00	2203:05	2247:15	4450:20	00:00	308:55	256:45	565:40	100.0	95.3	95.2	96.8	0.0	3.7	3.1	2.2	

**प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION**

**C.R.M.(SLITTING LINE)**

**Unit - (Hrs.:Mts.)**

Table No. 12.4(Contd.)

PERIOD	CALENDAR HRS.			SCH. S/D HRS.			AVAILABLE HRS.			NON OPERATING HRS.		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
APR'19	720:00	720:00	1440:00	32:00	40:00	72:00	688:00	680:00	1368:00	480:00	480:00	960:00
MAY	744:00	744:00	1488:00	32:00	32:00	64:00	712:00	712:00	1424:00	496:00	496:00	992:00
JUN.	720:00	720:00	1440:00	40:00	32:00	72:00	680:00	688:00	1368:00	480:00	480:00	960:00
<b>1ST QTR</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2080:00</b>	<b>2080:00</b>	<b>4160:00</b>	<b>1456:00</b>	<b>1456:00</b>	<b>2912:00</b>
JUL.	744:00	744:00	1488:00	32:00	40:00	72:00	712:00	704:00	1416:00	496:00	496:00	992:00
AUG.	744:00	744:00	1488:00	32:00	32:00	64:00	712:00	712:00	1424:00	496:00	496:00	992:00
SEP.	720:00	720:00	1440:00	40:00	40:00	80:00	680:00	680:00	1360:00	480:00	480:00	960:00
<b>2ND QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>104:00</b>	<b>112:00</b>	<b>216:00</b>	<b>2104:00</b>	<b>2096:00</b>	<b>4200:00</b>	<b>1472:00</b>	<b>1472:00</b>	<b>2944:00</b>
OCT.	744:00	744:00	1488:00	32:00	32:00	64:00	712:00	712:00	1424:00	496:00	496:00	992:00
NOV.	720:00	720:00	1440:00	32:00	32:00	64:00	688:00	688:00	1376:00	480:00	480:00	960:00
DEC.	744:00	744:00	1488:00	40:00	40:00	80:00	704:00	704:00	1408:00	496:00	496:00	992:00
<b>3RD QTR</b>	<b>2208:00</b>	<b>2208:00</b>	<b>4416:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2104:00</b>	<b>2104:00</b>	<b>4208:00</b>	<b>1472:00</b>	<b>1472:00</b>	<b>2944:00</b>
JAN'20	744:00	744:00	1488:00	32:00	32:00	64:00	712:00	712:00	1424:00	496:00	496:00	992:00
FEB.	696:00	696:00	1392:00	32:00	32:00	64:00	664:00	664:00	1328:00	464:00	464:00	928:00
MAR.	744:00	744:00	1488:00	40:00	40:00	80:00	704:00	704:00	1408:00	496:00	496:00	992:00
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>4368:00</b>	<b>104:00</b>	<b>104:00</b>	<b>208:00</b>	<b>2080:00</b>	<b>2080:00</b>	<b>4160:00</b>	<b>1456:00</b>	<b>1456:00</b>	<b>2912:00</b>
<b>2019-20</b>	<b>8784:00</b>	<b>8784:00</b>	<b>17568:00</b>	<b>416:00</b>	<b>424:00</b>	<b>840:00</b>	<b>8368:00</b>	<b>8360:00</b>	<b>16728:00</b>	<b>5856:00</b>	<b>5856:00</b>	<b>11712:00</b>
2018-19	8760:00	8760:00	17520:00	424:00	424:00	848:00	8336:00	8336:00	16672:00	5840:00	5840:00	11680:00
2017-18	8760:00	8760:00	17520:00	376:00	416:00	792:00	8384:00	8344:00	16728:00	5952:00	5656:00	11608:00
2016-17	8760:00	8760:00	17520:00	416:00	416:00	832:00	8344:00	8344:00	16688:00	5840:00	5720:00	11560:00
2015-16	8784:00	8784:00	17568:00	352:00	408:00	760:00	8432:00	8376:00	16808:00	6544:00	5856:00	12400:00

**प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION**

**C.R.M. (SLITTING LINE)**

**Unit - (Hrs.:Mts.)**

Table No. 12.4(Contd.)

PERIOD	DELAYS HRS.			WORKING HRS.			AVAILABILITY AGAINST CAL. HRS.(%)			UTILISATION AGAINST AVAILABLE HRS.(%)		
	I	II	Total	I	II	Total	I	II	Total	I	II	Total
	APR'19	205:00	104:00	309:00	03:00	96:00	99:00	95.6	94.4	95.0	0.4	14.1
MAY	198:00	166:00	364:00	18:00	50:00	68:00	95.7	95.7	95.7	2.5	7.0	4.8
JUN.	190:00	119:00	309:00	10:00	89:00	99:00	94.4	95.6	95.0	1.5	12.9	7.2
<b>1ST QTR</b>	<b>593:00</b>	<b>389:00</b>	<b>982:00</b>	<b>31:00</b>	<b>235:00</b>	<b>266:00</b>	<b>95.2</b>	<b>95.2</b>	<b>95.2</b>	<b>1.5</b>	<b>11.3</b>	<b>6.4</b>
JUL.	198:00	143:00	341:00	18:00	65:00	83:00	95.7	94.6	95.2	2.5	9.2	5.9
AUG.	201:00	123:00	324:00	15:00	93:00	108:00	95.7	95.7	95.7	2.1	13.1	7.6
SEP.	187:00	113:00	300:00	13:00	87:00	100:00	94.4	94.4	94.4	1.9	12.8	7.4
<b>2ND QTR</b>	<b>586:00</b>	<b>379:00</b>	<b>965:00</b>	<b>46:00</b>	<b>245:00</b>	<b>291:00</b>	<b>95.3</b>	<b>94.9</b>	<b>95.1</b>	<b>2.2</b>	<b>11.7</b>	<b>6.9</b>
OCT.	200:00	121:00	321:00	16:00	95:00	111:00	95.7	95.7	95.7	2.2	13.3	7.8
NOV.	203:00	131:00	334:00	05:00	77:00	82:00	95.6	95.6	95.6	0.7	11.2	6.0
DEC.	203:00	120:00	323:00	05:00	88:00	93:00	94.6	94.6	94.6	0.7	12.5	6.6
<b>3RD QTR</b>	<b>606:00</b>	<b>372:00</b>	<b>978:00</b>	<b>26:00</b>	<b>260:00</b>	<b>286:00</b>	<b>95.3</b>	<b>95.3</b>	<b>95.3</b>	<b>1.2</b>	<b>12.4</b>	<b>6.8</b>
JAN'20	204:00	65:00	269:00	12:00	151:00	163:00	95.7	95.7	95.7	1.7	21.2	11.4
FEB.	195:00	194:00	389:00	05:00	06:00	11:00	95.4	95.4	95.4	0.8	0.9	0.8
MAR.	208:00	202:00	410:00	00:00	06:00	06:00	94.6	94.6	94.6	0.0	0.9	0.4
<b>4TH QTR.</b>	<b>607:00</b>	<b>461:00</b>	<b>1068:00</b>	<b>17:00</b>	<b>163:00</b>	<b>180:00</b>	<b>95.2</b>	<b>95.2</b>	<b>95.2</b>	<b>0.8</b>	<b>7.8</b>	<b>4.3</b>
<b>2019-20</b>	<b>2392:00</b>	<b>1601:00</b>	<b>3993:00</b>	<b>120:00</b>	<b>903:00</b>	<b>1023:00</b>	<b>95.3</b>	<b>95.2</b>	<b>95.2</b>	<b>1.4</b>	<b>10.8</b>	<b>6.1</b>
2018-19	2363:00	1399:00	3762:00	133:00	1097:00	1230:00	95.2	95.2	95.2	1.6	13.2	7.4
2017-18	2379:00	1294:00	3673:00	53:00	1394:00	1447:00	95.7	95.3	95.5	0.6	16.7	8.7
2016-17	2435:00	1245:00	3680:00	69:00	1379:00	1448:00	95.3	95.3	95.3	0.8	16.5	8.7
2015-16	1838:30	1735:00	3573:30	49:30	785:00	834:30	96.0	95.4	95.7	0.6	9.4	5.0

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

C.R.M.(C.A.L. & D.C.R.)

Unit - (Hrs.:Mts.)

Table No. 12.4(Contd.)

PERIOD	C.A.L.								D.C.R.MILL							
	Calendar Hrs.	Sch.S/D Hrs.	Available Hrs.	Idle Hours	Delays	Working Hrs.	Availa- bility(%)	Utilisa- tion(%)	Calendar Hrs.	Sch.S/D Hrs.	Availble Hrs.	Idle Hours	Delays	Working Hrs.	Availa- bility(%)	Utilisa- tion(%)
APR'19	720:00	00:00	720:00	00:00	275:00	445:00	100.0	61.8	720:00	80:00	640:00	240:00	335:00	65:00	88.9	10.2
MAY	744:00	00:00	744:00	00:00	330:00	414:00	100.0	55.6	744:00	64:00	680:00	248:00	365:00	67:00	91.4	9.9
JUN.	720:00	00:00	720:00	00:00	208:00	512:00	100.0	71.1	720:00	64:00	656:00	240:00	307:00	109:00	91.1	16.6
<b>1ST QTR</b>	<b>2184:00</b>	<b>00:00</b>	<b>2184:00</b>	<b>00:00</b>	<b>813:00</b>	<b>1371:00</b>	<b>100.0</b>	<b>62.8</b>	<b>2184:00</b>	<b>208:00</b>	<b>1976:00</b>	<b>728:00</b>	<b>1007:00</b>	<b>241:00</b>	<b>90.5</b>	<b>12.2</b>
JUL.	744:00	00:00	744:00	00:00	344:00	400:00	100.0	53.8	744:00	80:00	664:00	248:00	349:00	67:00	89.2	10.1
AUG.	744:00	00:00	744:00	00:00	209:00	535:00	100.0	71.9	744:00	64:00	680:00	248:00	308:00	124:00	91.4	18.2
SEP.	720:00	00:00	720:00	00:00	200:00	520:00	100.0	72.2	720:00	64:00	656:00	240:00	336:00	80:00	91.1	12.2
<b>2ND QTR</b>	<b>2208:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>00:00</b>	<b>753:00</b>	<b>1455:00</b>	<b>100.0</b>	<b>65.9</b>	<b>2208:00</b>	<b>208:00</b>	<b>2000:00</b>	<b>736:00</b>	<b>993:00</b>	<b>271:00</b>	<b>90.6</b>	<b>13.6</b>
OCT.	744:00	00:00	744:00	00:00	54:00	690:00	100.0	92.7	744:00	80:00	664:00	248:00	337:00	79:00	89.2	11.9
NOV.	720:00	00:00	720:00	00:00	420:00	300:00	100.0	41.7	720:00	64:00	656:00	240:00	362:00	54:00	91.1	8.2
DEC.	744:00	00:00	744:00	00:00	590:00	154:00	100.0	20.7	744:00	80:00	664:00	248:00	385:00	31:00	89.2	4.7
<b>3RD QTR</b>	<b>2208:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>00:00</b>	<b>1064:00</b>	<b>1144:00</b>	<b>100.0</b>	<b>51.8</b>	<b>2208:00</b>	<b>224:00</b>	<b>1984:00</b>	<b>736:00</b>	<b>1084:00</b>	<b>164:00</b>	<b>89.9</b>	<b>8.3</b>
JAN'20	744:00	00:00	744:00	00:00	624:00	120:00	100.0	16.1	744:00	64:00	680:00	248:00	408:00	24:00	91.4	3.5
FEB.	696:00	00:00	696:00	00:00	626:00	70:00	100.0	10.1	696:00	64:00	632:00	232:00	386:00	14:00	90.8	2.2
MAR.	744:00	00:00	744:00	00:00	594:00	150:00	100.0	20.2	744:00	80:00	664:00	248:00	387:00	29:00	89.2	4.4
<b>4TH QTR.</b>	<b>2184:00</b>	<b>00:00</b>	<b>2184:00</b>	<b>00:00</b>	<b>1844:00</b>	<b>340:00</b>	<b>100.0</b>	<b>15.6</b>	<b>2184:00</b>	<b>208:00</b>	<b>1976:00</b>	<b>728:00</b>	<b>1181:00</b>	<b>67:00</b>	<b>90.5</b>	<b>3.4</b>
<b>2019-20</b>	<b>8784:00</b>	<b>00:00</b>	<b>8784:00</b>	<b>00:00</b>	<b>4474:00</b>	<b>4310:00</b>	<b>100.0</b>	<b>49.1</b>	<b>8784:00</b>	<b>848:00</b>	<b>7936:00</b>	<b>2928:00</b>	<b>4265:00</b>	<b>743:00</b>	<b>90.3</b>	<b>9.4</b>
2018-19	8760:00	00:00	8760:00	00:00	2109:00	6651:00	100.0	75.9	8760:00	832:00	7928:00	2920:00	3879:00	1129:00	90.5	14.2
2017-18	8760:00	72:00	8688:00	00:00	2430:00	6258:00	99.2	72.0	8760:00	864:00	7896:00	2920:00	3841:25	1134:35	90.1	14.4
2016-17	8760:00	00:00	8760:00	744:00	3077:00	4939:00	100.0	56.4	8760:00	832:00	7928:00	2920:00	4103:15	904:45	90.5	11.4
2015-16	8784:00	744:00	8040:00	744:00	4925:30	2370:30	91.5	29.5	8784:00	832:00	7952:00	2928:00	4599:10	424:50	90.5	5.3

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

C.R.M.(H.D.G.L. & E.C.L.)

Unit - (Hrs.:Mts.)

Table No. 12.4

PERIOD	H.D.G.L.							E.C.L.							
	Calendar Hrs.	Sch.S/D Hrs.	Available Hrs.	Delays	Working Hrs.	Availa- bility(%)	Utilisa- tion(%)	Calendar Hrs.	Sch.S/D Hrs.	Availble Hrs.	Idle Hrs.	Delays	Working Hrs.	Availa- bility(%)	Utilisa- tion(%)
APR'19	720:00	00:00	720:00	285:05	434:55	100.0	60.4	720:00	00:00	720:00	720:00	00:00	00:00	100.0	0.0
MAY	744:00	00:00	744:00	223:00	521:00	100.0	70.0	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
JUN.	720:00	62:30	657:30	270:20	387:10	91.3	58.9	720:00	00:00	720:00	720:00	00:00	00:00	100.0	0.0
<b>1ST QTR</b>	<b>2184:00</b>	<b>62:30</b>	<b>2121:30</b>	<b>778:25</b>	<b>1343:05</b>	<b>97.1</b>	<b>63.3</b>	<b>2184:00</b>	<b>00:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>00:00</b>	<b>00:00</b>	<b>100.0</b>	<b>0.0</b>
JUL.	744:00	32:00	712:00	281:50	430:10	95.7	60.4	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
AUG.	744:00	80:00	664:00	364:35	299:25	89.2	45.1	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
SEP.	720:00	00:00	720:00	564:50	155:10	100.0	21.6	720:00	00:00	720:00	720:00	00:00	00:00	100.0	0.0
<b>2ND QTR</b>	<b>2208:00</b>	<b>112:00</b>	<b>2096:00</b>	<b>1211:15</b>	<b>884:45</b>	<b>94.9</b>	<b>42.2</b>	<b>2208:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>2208:00</b>	<b>00:00</b>	<b>00:00</b>	<b>100.0</b>	<b>0.0</b>
OCT.	744:00	00:00	744:00	744:00	00:00	100.0	0.0	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
NOV.	720:00	00:00	720:00	531:00	189:00	100.0	26.3	720:00	00:00	720:00	720:00	00:00	00:00	100.0	0.0
DEC.	744:00	00:00	744:00	598:00	146:00	100.0	19.6	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
<b>3RD QTR</b>	<b>2208:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>1873:00</b>	<b>335:00</b>	<b>100.0</b>	<b>15.2</b>	<b>2208:00</b>	<b>00:00</b>	<b>2208:00</b>	<b>2208:00</b>	<b>00:00</b>	<b>00:00</b>	<b>100.0</b>	<b>0.0</b>
JAN'20	744:00	00:00	744:00	655:30	88:30	100.0	11.9	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
FEB.	696:00	00:00	696:00	450:55	245:05	100.0	35.2	696:00	00:00	696:00	696:00	00:00	00:00	100.0	0.0
MAR.	744:00	00:00	744:00	667:55	76:05	100.0	10.2	744:00	00:00	744:00	744:00	00:00	00:00	100.0	0.0
<b>4TH QTR.</b>	<b>2184:00</b>	<b>00:00</b>	<b>2184:00</b>	<b>1774:20</b>	<b>409:40</b>	<b>100.0</b>	<b>18.8</b>	<b>2184:00</b>	<b>00:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>00:00</b>	<b>00:00</b>	<b>100.0</b>	<b>0.0</b>
<b>2019-20</b>	<b>8784:00</b>	<b>174:30</b>	<b>8609:30</b>	<b>5637:00</b>	<b>2972:30</b>	<b>98.0</b>	<b>34.5</b>	<b>8784:00</b>	<b>00:00</b>	<b>8784:00</b>	<b>8784:00</b>	<b>00:00</b>	<b>00:00</b>	<b>100.0</b>	<b>0.0</b>
2018-19	8760:00	894:00	7866:00	2049:35	5816:25	89.8	73.9	8760:00	72:00	8688:00	8272:00	412:00	04:00	99.2	0.0
2017-18	8760:00	734:30	8025:30	2373:55	5651:35	91.6	70.4	8760:00	416:00	8344:00	5776:00	2206:00	362:00	95.3	4.3
2016-17	8760:00	757:00	8003:00	2734:45	5268:15	91.4	65.8	8760:00	344:00	8416:00	6312:00	1310:00	794:00	96.1	9.4
2015-16	8784:00	1284:30	7499:30	3179:20	4320:10	85.4	57.6	8784:00	344:00	8440:00	6344:00	1397:00	699:00	96.1	8.3



उत्पादन दर  
PRODUCTION RATE

C.R.M.

Unit - Tonne

Table No. 12.5

PERIOD	PRODUCTION RATE PER WORKING HOUR																	
	PICKLING LINE			TANDEM MILL			SKIN PASS MILL			CRCF			SLITTING LINE			CAL	DCR	HDGL
	I	II	Total	I	II	Total	I	II	Total	II	III	Total	I	II	Total			
APR'19	90.2	65.5	78.9	96.6	47.5	72.3	54.2	36.3	47.8	-	17.7	17.7	7.3	17.2	16.9	11.2	59.0	23.2
MAY	80.4	66.0	72.1	84.7	48.5	66.5	53.4	37.7	47.9	14.7	13.0	13.8	6.9	16.5	14.0	10.9	55.8	22.2
JUN.	77.7	63.1	69.6	85.2	45.2	65.7	49.8	38.3	45.0	17.3	15.2	15.9	7.2	13.7	13.0	11.2	41.0	21.1
<b>1ST QTR</b>	<b>83.2</b>	<b>64.8</b>	<b>73.5</b>	<b>89.0</b>	<b>47.1</b>	<b>68.2</b>	<b>52.6</b>	<b>37.5</b>	<b>46.9</b>	<b>16.6</b>	<b>14.9</b>	<b>15.5</b>	<b>7.0</b>	<b>15.7</b>	<b>14.7</b>	<b>11.1</b>	<b>50.0</b>	<b>22.2</b>
JUL.	83.0	59.6	71.0	92.7	36.3	64.0	52.4	42.4	49.4	17.9	15.8	17.1	5.2	12.1	10.6	11.9	53.7	22.0
AUG.	71.6	52.0	59.5	75.6	39.1	56.6	52.6	34.0	43.8	13.4	10.8	12.8	7.7	15.3	14.3	11.1	36.9	20.7
SEP.	75.4	49.3	61.9	82.1	39.1	60.2	51.2	32.2	43.6	15.5	7.0	15.0	6.7	15.9	14.7	9.0	48.8	20.8
<b>2ND QTR</b>	<b>77.3</b>	<b>53.8</b>	<b>64.4</b>	<b>83.3</b>	<b>38.2</b>	<b>60.1</b>	<b>52.1</b>	<b>35.4</b>	<b>45.5</b>	<b>15.7</b>	<b>13.4</b>	<b>15.2</b>	<b>6.4</b>	<b>14.7</b>	<b>13.4</b>	<b>10.6</b>	<b>44.5</b>	<b>21.4</b>
OCT.	74.3	46.6	59.6	83.4	37.7	61.4	48.8	36.4	44.0	20.0	-	20.0	7.2	17.8	16.3	7.3	50.8	-
NOV.	82.1	51.5	70.7	89.2	39.8	72.6	51.5	34.2	44.7	15.8	-	15.8	8.0	12.8	12.5	11.0	49.1	19.7
DEC.	67.9	48.6	60.9	82.0	-	82.0	45.7	30.9	40.0	19.2	-	19.2	6.6	17.0	16.4	11.1	49.0	23.7
<b>3RD QTR</b>	<b>74.7</b>	<b>48.4</b>	<b>63.4</b>	<b>84.8</b>	<b>38.5</b>	<b>70.5</b>	<b>48.7</b>	<b>33.6</b>	<b>42.9</b>	<b>16.4</b>	<b>-</b>	<b>16.4</b>	<b>7.2</b>	<b>16.0</b>	<b>15.2</b>	<b>8.8</b>	<b>49.9</b>	<b>21.4</b>
JAN'20	71.5	60.5	69.1	85.1	-	85.1	52.1	33.7	46.0	-	-	-	6.8	9.3	9.1	11.9	56.7	20.1
FEB.	76.9	47.0	63.3	86.6	-	86.6	51.7	40.5	48.2	19.0	-	19.0	11.0	12.0	11.5	10.9	41.9	20.9
MAR.	74.5	32.9	70.4	86.9	-	86.9	52.6	38.1	46.9	-	-	-	-	8.2	8.2	11.1	50.0	22.4
<b>4TH QTR.</b>	<b>74.1</b>	<b>49.5</b>	<b>66.9</b>	<b>86.2</b>	<b>-</b>	<b>86.2</b>	<b>52.1</b>	<b>37.4</b>	<b>47.1</b>	<b>19.0</b>	<b>-</b>	<b>19.0</b>	<b>8.0</b>	<b>9.4</b>	<b>9.3</b>	<b>11.3</b>	<b>50.7</b>	<b>21.0</b>
<b>2019-20</b>	<b>77.4</b>	<b>55.8</b>	<b>67.4</b>	<b>85.9</b>	<b>42.0</b>	<b>69.0</b>	<b>51.4</b>	<b>35.9</b>	<b>45.6</b>	<b>16.3</b>	<b>14.7</b>	<b>15.7</b>	<b>7.0</b>	<b>14.4</b>	<b>13.5</b>	<b>10.3</b>	<b>48.0</b>	<b>21.7</b>
<b>2018-19</b>	<b>93.7</b>	<b>67.6</b>	<b>80.0</b>	<b>99.4</b>	<b>58.1</b>	<b>77.6</b>	<b>57.5</b>	<b>38.9</b>	<b>50.4</b>	<b>16.4</b>	<b>17.1</b>	<b>16.8</b>	<b>6.8</b>	<b>17.2</b>	<b>16.0</b>	<b>10.7</b>	<b>52.0</b>	<b>22.6</b>
<b>2017-18</b>	<b>88.2</b>	<b>66.8</b>	<b>76.7</b>	<b>94.2</b>	<b>59.5</b>	<b>75.0</b>	<b>52.8</b>	<b>41.1</b>	<b>48.5</b>	<b>18.3</b>	<b>16.7</b>	<b>17.6</b>	<b>6.9</b>	<b>17.4</b>	<b>17.0</b>	<b>10.4</b>	<b>47.3</b>	<b>22.8</b>
<b>2016-17</b>	<b>86.0</b>	<b>56.3</b>	<b>72.4</b>	<b>92.0</b>	<b>51.4</b>	<b>72.4</b>	<b>50.9</b>	<b>36.6</b>	<b>46.0</b>	<b>18.2</b>	<b>18.1</b>	<b>18.1</b>	<b>6.6</b>	<b>18.1</b>	<b>17.5</b>	<b>10.0</b>	<b>45.7</b>	<b>21.4</b>
<b>2015-16</b>	<b>58.3</b>	<b>42.5</b>	<b>49.8</b>	<b>72.3</b>	<b>39.8</b>	<b>53.8</b>	<b>40.2</b>	<b>30.0</b>	<b>36.2</b>	<b>21.3</b>	<b>22.3</b>	<b>21.8</b>	<b>8.4</b>	<b>14.6</b>	<b>14.2</b>	<b>9.5</b>	<b>46.0</b>	<b>20.2</b>

विलम्बन विभाजन  
BREAK-UP OF DELAYS

C.R.M.(PICKLING LINE)	Unit - (Hrs.:Mts.)									Table No.12.6(Contd.)
	OPERATIONAL			MECHANICAL			ELECTRICAL			
	PERIOD	I	II	Total	I	II	Total	I	II	
APR'19	00:00	00:00	00:00	37:00	107:00	144:00	23:00	24:15	47:15	
MAY	00:00	00:00	00:00	25:00	133:00	158:00	09:00	22:00	31:00	
JUN.	00:00	00:00	00:00	17:00	118:00	135:00	09:00	27:00	36:00	
<b>1ST QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>79:00</b>	<b>358:00</b>	<b>437:00</b>	<b>41:00</b>	<b>73:15</b>	<b>114:15</b>	
JUL.	00:00	00:00	00:00	46:00	141:00	187:00	11:00	22:00	33:00	
AUG.	13:00	00:00	13:00	38:00	130:00	168:00	06:00	16:00	22:00	
SEP.	00:00	00:00	00:00	69:55	118:25	188:20	21:55	19:10	41:05	
<b>2ND QTR</b>	<b>13:00</b>	<b>00:00</b>	<b>13:00</b>	<b>153:55</b>	<b>389:25</b>	<b>543:20</b>	<b>38:55</b>	<b>57:10</b>	<b>96:05</b>	
OCT.	00:00	00:00	00:00	18:35	74:35	93:10	08:15	36:15	44:30	
NOV.	00:00	00:00	00:00	31:00	63:00	94:00	12:00	08:00	20:00	
DEC.	00:00	00:00	00:00	08:00	50:00	58:00	12:00	09:00	21:00	
<b>3RD QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>57:35</b>	<b>187:35</b>	<b>245:10</b>	<b>32:15</b>	<b>53:15</b>	<b>85:30</b>	
JAN'20	08:00	00:00	08:00	06:00	26:00	32:00	14:00	02:00	16:00	
FEB.	13:45	00:00	13:45	16:15	50:05	66:20	11:20	18:10	29:30	
MAR.	07:00	00:00	07:00	29:00	04:00	33:00	15:00	03:00	18:00	
<b>4TH QTR.</b>	<b>28:45</b>	<b>00:00</b>	<b>28:45</b>	<b>51:15</b>	<b>80:05</b>	<b>131:20</b>	<b>40:20</b>	<b>23:10</b>	<b>63:30</b>	
<b>2019-20</b>	<b>41:45</b>	<b>00:00</b>	<b>41:45</b>	<b>341:45</b>	<b>1015:05</b>	<b>1356:50</b>	<b>152:30</b>	<b>206:50</b>	<b>359:20</b>	
2018-19	01:30	00:00	01:30	292:25	1379:35	1672:00	294:10	326:40	620:50	
2017-18	00:00	00:00	00:00	482:35	967:45	1450:20	691:35	857:00	1548:35	
2016-17	03:00	00:00	03:00	413:40	875:25	1289:05	467:30	868:20	1335:50	
2015-16	07:00	00:30	07:30	283:50	679:20	963:10	612:25	815:50	1428:15	

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

**C.R.M.(PICKLING LINE)**

**Unit - (Hrs.:Mts.)**

Table No.12.6(Contd.)

PERIOD	SHORTAGE OF POWER			MISC.			TOTAL		
	I	II	Total	I	II	Total	I	II	Total
APR'19	02:00	01:00	03:00	217:00	125:45	342:45	279:00	258:00	537:00
MAY	08:00	00:00	08:00	252:00	114:00	366:00	294:00	269:00	563:00
JUN.	00:00	03:00	03:00	341:00	131:00	472:00	367:00	279:00	646:00
<b>1ST QTR</b>	<b>10:00</b>	<b>04:00</b>	<b>14:00</b>	<b>810:00</b>	<b>370:45</b>	<b>1180:45</b>	<b>940:00</b>	<b>806:00</b>	<b>1746:00</b>
JUL.	00:00	01:00	01:00	270:00	162:00	432:00	327:00	326:00	653:00
AUG.	00:00	00:00	00:00	383:00	129:00	512:00	440:00	275:00	715:00
SEP.	23:00	09:05	32:05	275:10	88:20	363:30	390:00	235:00	625:00
<b>2ND QTR</b>	<b>23:00</b>	<b>10:05</b>	<b>33:05</b>	<b>928:10</b>	<b>379:20</b>	<b>1307:30</b>	<b>1157:00</b>	<b>836:00</b>	<b>1993:00</b>
OCT.	00:00	00:00	00:00	366:10	140:10	506:20	393:00	251:00	644:00
NOV.	05:00	01:00	06:00	279:00	435:00	714:00	327:00	507:00	834:00
DEC.	01:00	00:00	01:00	330:00	467:00	797:00	351:00	526:00	877:00
<b>3RD QTR</b>	<b>06:00</b>	<b>01:00</b>	<b>07:00</b>	<b>975:10</b>	<b>1042:10</b>	<b>2017:20</b>	<b>1071:00</b>	<b>1284:00</b>	<b>2355:00</b>
JAN'20	10:00	00:00	10:00	241:00	594:00	835:00	279:00	622:00	901:00
FEB.	05:15	00:00	05:15	263:25	321:45	585:10	310:00	390:00	700:00
MAR.	00:00	00:00	00:00	374:00	703:00	1077:00	425:00	710:00	1135:00
<b>4TH QTR.</b>	<b>15:15</b>	<b>00:00</b>	<b>15:15</b>	<b>878:25</b>	<b>1618:45</b>	<b>2497:10</b>	<b>1014:00</b>	<b>1722:00</b>	<b>2736:00</b>
<b>2019-20</b>	<b>54:15</b>	<b>15:05</b>	<b>69:20</b>	<b>3591:45</b>	<b>3411:00</b>	<b>7002:45</b>	<b>4182:00</b>	<b>4648:00</b>	<b>8830:00</b>
2018-19	10:10	08:25	18:35	3191:45	1613:20	4805:05	3790:00	3328:00	7118:00
2017-18	14:35	18:50	33:25	1956:15	1420:25	3376:40	3145:00	3264:00	6409:00
2016-17	44:00	37:30	81:30	2643:50	1782:10	4426:00	3572:00	3563:25	7135:25
2015-16	16:25	12:25	28:50	2032:20	2106:05	4138:25	2952:00	3614:10	6566:10

**दिलम्पन विभाजन**  
**BREAK-UP OF DELAYS**

C.R.M.(TANDEM MILL)

Unit - (Hrs.:Mts.)

Table No.12.6(Contd.)

PERIOD	OPERATIONAL			MECHANICAL			ELECTRICAL		
	I	II	Total	I	II	Total	I	II	Total
APR'19	00:00	00:00	00:00	16:50	101:00	117:50	22:10	13:35	35:45
MAY	00:00	00:00	00:00	40:00	106:00	146:00	12:00	22:00	34:00
JUN.	00:00	00:00	00:00	51:00	126:00	177:00	19:00	25:00	44:00
<b>1ST QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>107:50</b>	<b>333:00</b>	<b>440:50</b>	<b>53:10</b>	<b>60:35</b>	<b>113:45</b>
JUL.	00:00	00:00	00:00	51:00	186:00	237:00	42:00	20:00	62:00
AUG.	00:00	00:00	00:00	53:00	87:00	140:00	19:00	05:00	24:00
SEP.	00:00	00:00	00:00	34:40	60:50	95:30	05:20	01:20	06:40
<b>2ND QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>138:40</b>	<b>333:50</b>	<b>472:30</b>	<b>66:20</b>	<b>26:20</b>	<b>92:40</b>
OCT.	24:00	00:00	24:00	21:25	84:40	106:05	11:20	24:40	36:00
NOV.	00:00	00:00	00:00	35:00	39:00	74:00	25:00	02:00	27:00
DEC.	00:00	00:00	00:00	32:00	00:00	32:00	27:00	00:00	27:00
<b>3RD QTR</b>	<b>24:00</b>	<b>00:00</b>	<b>24:00</b>	<b>88:25</b>	<b>123:40</b>	<b>212:05</b>	<b>63:20</b>	<b>26:40</b>	<b>90:00</b>
JAN'20	00:00	00:00	00:00	31:00	00:00	31:00	19:00	00:00	19:00
FEB.	00:00	00:00	00:00	44:35	00:00	44:35	18:05	00:00	18:05
MAR.	00:00	00:00	00:00	66:00	00:00	66:00	25:00	00:00	25:00
<b>4TH QTR.</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>141:35</b>	<b>00:00</b>	<b>141:35</b>	<b>62:05</b>	<b>00:00</b>	<b>62:05</b>
<b>2019-20</b>	<b>24:00</b>	<b>00:00</b>	<b>24:00</b>	<b>476:30</b>	<b>790:30</b>	<b>1267:00</b>	<b>244:55</b>	<b>113:35</b>	<b>358:30</b>
2018-19	00:00	00:00	00:00	512:35	967:15	1479:50	254:20	202:30	456:50
2017-18	00:00	00:00	00:00	555:55	705:40	1261:35	184:15	141:05	325:20
2016-17	02:45	01:20	04:05	388:40	416:10	804:50	322:55	102:05	425:00
2015-16	01:30	00:00	01:30	416:50	406:00	822:50	307:10	156:55	464:05

# विलम्बन विभाजन BREAK-UP OF DELAYS

C.R.M.(TANDEM MILL)

Unit - (Hrs.:Mts.)

Table No.12.6(Contd.)

PERIOD	SHORTAGE OF POWER			MISC.			TOTAL		
	I	II	Total	I	II	Total	I	II	Total
APR'19	02:25	05:10	07:35	122:35	124:15	246:50	164:00	244:00	408:00
MAY	04:00	00:00	04:00	129:00	140:00	269:00	185:00	268:00	453:00
JUN.	04:00	04:00	08:00	133:00	126:00	259:00	207:00	281:00	488:00
<b>1ST QTR</b>	<b>10:25</b>	<b>09:10</b>	<b>19:35</b>	<b>384:35</b>	<b>390:15</b>	<b>774:50</b>	<b>556:00</b>	<b>793:00</b>	<b>1349:00</b>
JUL.	00:00	00:00	00:00	138:00	93:00	231:00	231:00	299:00	530:00
AUG.	00:00	00:00	00:00	146:00	148:00	294:00	218:00	240:00	458:00
SEP.	01:20	11:25	12:45	245:40	186:25	432:05	287:00	260:00	547:00
<b>2ND QTR</b>	<b>01:20</b>	<b>11:25</b>	<b>12:45</b>	<b>529:40</b>	<b>427:25</b>	<b>957:05</b>	<b>736:00</b>	<b>799:00</b>	<b>1535:00</b>
OCT.	04:50	00:00	04:50	223:25	170:40	394:05	285:00	280:00	565:00
NOV.	02:00	00:00	02:00	184:00	474:00	658:00	246:00	515:00	761:00
DEC.	02:00	00:00	02:00	179:00	744:00	923:00	240:00	744:00	984:00
<b>3RD QTR</b>	<b>08:50</b>	<b>00:00</b>	<b>08:50</b>	<b>586:25</b>	<b>1388:40</b>	<b>1975:05</b>	<b>771:00</b>	<b>1539:00</b>	<b>2310:00</b>
JAN'20	00:00	00:00	00:00	156:00	744:00	900:00	206:00	744:00	950:00
FEB.	00:00	00:00	00:00	107:20	696:00	803:20	170:00	696:00	866:00
MAR.	03:00	00:00	03:00	176:00	744:00	920:00	270:00	744:00	1014:00
<b>4TH QTR.</b>	<b>03:00</b>	<b>00:00</b>	<b>03:00</b>	<b>439:20</b>	<b>2184:00</b>	<b>2623:20</b>	<b>646:00</b>	<b>2184:00</b>	<b>2830:00</b>
<b>2019-20</b>	<b>23:35</b>	<b>20:35</b>	<b>44:10</b>	<b>1940:00</b>	<b>4390:20</b>	<b>6330:20</b>	<b>2709:00</b>	<b>5315:00</b>	<b>8024:00</b>
2018-19	40:00	74:05	114:05	1937:05	1747:10	3684:15	2744:00	2991:00	5735:00
2017-18	139:30	58:20	197:50	1480:20	2077:55	3558:15	2360:00	2983:00	5343:00
2016-17	52:25	67:20	119:45	2188:30	2821:05	5009:35	2955:15	3408:00	6363:15
2015-16	51:05	34:55	86:00	2666:00	3431:37	6097:37	3442:35	4029:27	7472:02

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

**C.R.M.(SKIN PASS MILL)**

**Unit - (Hrs.:Mts.)**

Table No.12.6(Contd.)

PERIOD	OPERATIONAL			MECHANICAL			ELECTRICAL		
	I	II	Total	I	II	Total	I	II	Total
APR'19	00:00	00:00	00:00	04:00	14:20	18:20	03:20	21:00	24:20
MAY	00:00	00:00	00:00	12:00	19:00	31:00	06:00	08:00	14:00
JUN.	00:00	00:00	00:00	13:00	17:00	30:00	09:00	14:00	23:00
<b>1ST QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>29:00</b>	<b>50:20</b>	<b>79:20</b>	<b>18:20</b>	<b>43:00</b>	<b>61:20</b>
JUL.	00:00	00:00	00:00	05:00	06:00	11:00	11:10	05:00	16:10
AUG.	00:00	00:00	00:00	02:00	04:00	06:00	05:00	05:00	10:00
SEP.	00:00	00:00	00:00	01:00	07:40	08:40	10:30	16:00	26:30
<b>2ND QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>08:00</b>	<b>17:40</b>	<b>25:40</b>	<b>26:40</b>	<b>26:00</b>	<b>52:40</b>
OCT.	00:00	00:00	00:00	05:50	03:55	09:45	03:45	11:05	14:50
NOV.	00:00	00:00	00:00	06:00	08:00	14:00	15:00	04:00	19:00
DEC.	00:00	00:00	00:00	08:00	10:00	18:00	08:00	10:00	18:00
<b>3RD QTR</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>19:50</b>	<b>21:55</b>	<b>41:45</b>	<b>26:45</b>	<b>25:05</b>	<b>51:50</b>
JAN'20	00:00	00:00	00:00	05:00	00:00	05:00	08:00	02:00	10:00
FEB.	00:00	00:00	00:00	13:10	08:15	21:25	14:50	06:10	21:00
MAR.	00:00	00:00	00:00	03:00	07:30	10:30	06:00	23:00	29:00
<b>4TH QTR.</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>21:10</b>	<b>15:45</b>	<b>36:55</b>	<b>28:50</b>	<b>31:10</b>	<b>60:00</b>
<b>2019-20</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>78:00</b>	<b>105:40</b>	<b>183:40</b>	<b>100:35</b>	<b>125:15</b>	<b>225:50</b>
2018-19	00:00	00:00	00:00	99:05	195:30	294:35	146:00	113:35	259:35
2017-18	00:00	00:00	00:00	192:35	222:20	414:55	137:20	161:30	298:50
2016-17	02:45	00:00	02:45	225:10	258:55	484:05	165:20	131:55	297:15
2015-16	02:00	04:20	06:20	78:50	98:40	177:30	182:30	86:25	268:55

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

**C.R.M.(SKIN PASS MILL)**

**Unit - (Hrs.:Mts.)**

Table No.12.6(Contd.)

PERIOD	SHORTAGE OF POWER			MISC.			TOTAL		
	I	II	Total	I	II	Total	I	II	Total
APR'19	01:40	01:00	02:40	130:00	122:40	252:40	139:00	159:00	298:00
MAY	00:00	00:00	00:00	152:00	145:00	297:00	170:00	172:00	342:00
JUN.	02:00	00:00	02:00	203:00	111:00	314:00	227:00	142:00	369:00
<b>1ST QTR</b>	<b>03:40</b>	<b>01:00</b>	<b>04:40</b>	<b>485:00</b>	<b>378:40</b>	<b>863:40</b>	<b>536:00</b>	<b>473:00</b>	<b>1009:00</b>
JUL.	07:00	00:00	07:00	252:50	265:00	517:50	276:00	276:00	552:00
AUG.	00:00	00:00	00:00	347:00	150:00	497:00	354:00	159:00	513:00
SEP.	08:00	02:45	10:45	292:30	183:35	476:05	312:00	210:00	522:00
<b>2ND QTR</b>	<b>15:00</b>	<b>02:45</b>	<b>17:45</b>	<b>892:20</b>	<b>598:35</b>	<b>1490:55</b>	<b>942:00</b>	<b>645:00</b>	<b>1587:00</b>
OCT.	00:00	00:00	00:00	371:25	248:00	619:25	381:00	263:00	644:00
NOV.	02:00	03:00	05:00	172:00	131:00	303:00	195:00	146:00	341:00
DEC.	00:00	02:00	02:00	231:00	157:00	388:00	247:00	179:00	426:00
<b>3RD QTR</b>	<b>02:00</b>	<b>05:00</b>	<b>07:00</b>	<b>774:25</b>	<b>536:00</b>	<b>1310:25</b>	<b>823:00</b>	<b>588:00</b>	<b>1411:00</b>
JAN'20	00:00	00:00	00:00	298:00	280:00	578:00	311:00	282:00	593:00
FEB.	00:00	00:00	00:00	203:00	229:35	432:35	231:00	244:00	475:00
MAR.	00:00	00:00	00:00	337:00	210:30	547:30	346:00	241:00	587:00
<b>4TH QTR.</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>838:00</b>	<b>720:05</b>	<b>1558:05</b>	<b>888:00</b>	<b>767:00</b>	<b>1655:00</b>
<b>2019-20</b>	<b>20:40</b>	<b>08:45</b>	<b>29:25</b>	<b>2989:45</b>	<b>2233:20</b>	<b>5223:05</b>	<b>3189:00</b>	<b>2473:00</b>	<b>5662:00</b>
2018-19	05:35	09:00	14:35	2028:20	1417:55	3446:15	2279:00	1736:00	4015:00
2017-18	31:00	04:40	35:40	1715:05	1625:30	3340:35	2076:00	2014:00	4090:00
2016-17	22:20	18:10	40:30	2114:10	1665:30	3779:40	2529:45	2074:30	4604:15
2015-16	21:45	16:40	38:25	4599:00	3042:25	7641:25	4884:05	3248:30	8132:35

**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

C.R.M.	Unit - (Hrs.:Mts.)									
	C.A.L.					E.C.L.				
	PERIOD	Mecha-nical	Elec-trical	Power Shortage	Misc.	Total	Mecha-nical	Elec-trical	Power Shortage	Misc.
APR'19	35:00	40:00	01:00	199:00	275:00	00:00	00:00	00:00	00:00	00:00
MAY	20:00	17:00	01:00	292:00	330:00	00:00	00:00	00:00	00:00	00:00
JUN.	22:00	25:00	02:00	159:00	208:00	00:00	00:00	00:00	00:00	00:00
<b>1ST QTR</b>	<b>77:00</b>	<b>82:00</b>	<b>04:00</b>	<b>650:00</b>	<b>813:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
JUL.	21:00	18:00	06:00	299:00	344:00	00:00	00:00	00:00	00:00	00:00
AUG.	16:00	15:00	02:00	176:00	209:00	00:00	00:00	00:00	00:00	00:00
SEP.	16:00	12:00	01:00	171:00	200:00	00:00	00:00	00:00	00:00	00:00
<b>2ND QTR</b>	<b>53:00</b>	<b>45:00</b>	<b>09:00</b>	<b>646:00</b>	<b>753:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
OCT.	08:00	09:00	01:00	36:00	54:00	00:00	00:00	00:00	00:00	00:00
NOV.	13:00	12:00	06:00	389:00	420:00	00:00	00:00	00:00	00:00	00:00
DEC.	08:00	07:00	00:00	575:00	590:00	00:00	00:00	00:00	00:00	00:00
<b>3RD QTR</b>	<b>29:00</b>	<b>28:00</b>	<b>07:00</b>	<b>1000:00</b>	<b>1064:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
JAN'20	04:00	03:00	00:00	617:00	624:00	00:00	00:00	00:00	00:00	00:00
FEB.	05:00	06:00	00:00	615:00	626:00	00:00	00:00	00:00	00:00	00:00
MAR.	04:00	06:00	00:00	584:00	594:00	00:00	00:00	00:00	00:00	00:00
<b>4TH QTR.</b>	<b>13:00</b>	<b>15:00</b>	<b>00:00</b>	<b>1816:00</b>	<b>1844:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
<b>2019-20</b>	<b>172:00</b>	<b>170:00</b>	<b>20:00</b>	<b>4112:00</b>	<b>4474:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>	<b>00:00</b>
2018-19	259:00	160:00	59:00	1631:00	2109:00	176:00	00:00	00:00	236:00	412:00
2017-18	221:30	195:00	08:30	2005:00	2430:00	35:00	146:00	00:00	2025:00	2206:00
2016-17	233:30	183:30	10:00	2650:00	3077:00	00:00	92:30	00:00	1217:30	1310:00
2015-16	126:30	168:15	06:00	4624:45	4925:30	20:00	73:00	00:00	1304:00	1397:00



**विलम्बन विभाजन**  
**BREAK-UP OF DELAYS**

C.R.M.

Unit - (Hrs.:Mts.)

Table No.12.6

PERIOD	D.C.R.MILL						H.D.G.L.					
	Opera-tional	Mecha-nical	Elec-trical	Power Shortage	Misc.	Total	Opera-tional	Mecha-nical	Elec-trical	Power Shortage	Misc.	Total
APR'19	00:00	12:00	05:00	00:00	318:00	335:00	00:00	33:15	02:30	00:00	249:20	285:05
MAY	00:00	01:00	01:00	00:00	363:00	365:00	00:00	18:40	07:05	00:00	197:15	223:00
JUN.	00:00	27:30	20:45	00:00	258:45	307:00	00:00	26:40	18:25	00:20	224:55	270:20
<b>1ST QTR</b>	<b>00:00</b>	<b>40:30</b>	<b>26:45</b>	<b>00:00</b>	<b>939:45</b>	<b>1007:00</b>	<b>00:00</b>	<b>78:35</b>	<b>28:00</b>	<b>00:20</b>	<b>671:30</b>	<b>778:25</b>
JUL.	00:00	75:00	36:00	00:00	238:00	349:00	00:00	64:20	12:35	00:00	204:55	281:50
AUG.	00:00	14:00	20:00	00:00	274:00	308:00	00:00	39:20	04:25	00:35	320:15	364:35
SEP.	17:45	19:40	24:15	02:00	272:20	336:00	00:00	06:00	01:40	09:45	547:25	564:50
<b>2ND QTR</b>	<b>17:45</b>	<b>108:40</b>	<b>80:15</b>	<b>02:00</b>	<b>784:20</b>	<b>993:00</b>	<b>00:00</b>	<b>109:40</b>	<b>18:40</b>	<b>10:20</b>	<b>1072:35</b>	<b>1211:15</b>
OCT.	00:00	03:30	03:30	00:00	330:00	337:00	00:00	00:00	00:00	00:00	744:00	744:00
NOV.	00:00	01:00	04:00	04:00	353:00	362:00	00:00	02:15	02:55	01:40	524:10	531:00
DEC.	00:00	01:00	01:00	00:00	383:00	385:00	00:00	04:35	06:40	08:50	577:55	598:00
<b>3RD QTR</b>	<b>00:00</b>	<b>05:30</b>	<b>08:30</b>	<b>04:00</b>	<b>1066:00</b>	<b>1084:00</b>	<b>00:00</b>	<b>06:50</b>	<b>09:35</b>	<b>10:30</b>	<b>1846:05</b>	<b>1873:00</b>
JAN'20	00:00	06:00	00:00	00:00	402:00	408:00	00:00	12:20	01:50	00:00	641:20	655:30
FEB.	00:00	01:00	00:00	00:00	385:00	386:00	00:00	09:35	15:50	00:00	425:30	450:55
MAR.	00:00	30:00	24:00	00:00	333:00	387:00	00:00	03:15	02:00	00:40	662:00	667:55
<b>4TH QTR.</b>	<b>00:00</b>	<b>37:00</b>	<b>24:00</b>	<b>00:00</b>	<b>1120:00</b>	<b>1181:00</b>	<b>00:00</b>	<b>25:10</b>	<b>19:40</b>	<b>00:40</b>	<b>1728:50</b>	<b>1774:20</b>
<b>2019-20</b>	<b>17:45</b>	<b>191:40</b>	<b>139:30</b>	<b>06:00</b>	<b>3910:05</b>	<b>4265:00</b>	<b>00:00</b>	<b>220:15</b>	<b>75:55</b>	<b>21:50</b>	<b>5319:00</b>	<b>5637:00</b>
2018-19	00:00	135:50	89:35	00:00	3653:35	3879:00	00:00	509:50	117:10	20:45	1401:50	2049:35
2017-18	00:00	135:25	71:10	32:00	3602:50	3841:25	00:00	485:05	196:20	87:45	1604:45	2373:55
2016-17	00:00	73:30	84:35	00:00	3945:10	4103:15	00:00	197:00	89:45	21:40	2426:20	2734:45
2015-16	00:00	87:30	29:05	26:15	4456:20	4599:10	00:00	134:15	51:00	11:30	2982:35	3179:20

## सेवाओं की खपत CONSUMPTION OF SERVICES

C.R.M. I/II

Table No. 12.7

PERIOD	TOTAL						PER TONNE OF SALEABLE CR PRODUCTS						Heat/t of Ann. Coil(I&II) (10 <sup>6</sup> Kcal)
	Electri- city (MWH)	Steam (t)	Water (10 <sup>3</sup> m <sup>3</sup> )	CO Gas (10 <sup>3</sup> m <sup>3</sup> )	BF Gas (10 <sup>3</sup> m <sup>3</sup> )	Refrac- tory (t)	Electri- city (KWH)	Steam (Kg)	Water (m <sup>3</sup> )	CO Gas (m <sup>3</sup> )	BF Gas (m <sup>3</sup> )	Refrac- tory (Kg)	
APR'19	12985.6	31781	3023	7455	13454	44.7	211.67	518.0	49.3	121.5	219.3	0.73	0.631
MAY	12978.0	31166	3121	6691	11823	5.0	222.06	533.3	53.4	114.5	202.3	0.09	0.661
JUN.	12669.2	31990	3024	7008	10636	36.5	243.48	614.8	58.1	134.7	204.4	0.70	0.680
<b>1ST QTR</b>	<b>38632.8</b>	<b>94937</b>	<b>9168</b>	<b>21154</b>	<b>35913</b>	<b>86.1</b>	<b>224.84</b>	<b>552.5</b>	<b>53.4</b>	<b>123.1</b>	<b>209.0</b>	<b>0.50</b>	<b>0.656</b>
JUL.	11818.7	34467	3120	6634	10380	11.4	241.06	703.0	63.6	135.3	211.7	0.23	0.719
AUG.	12209.7	35960	3117	6367	9930	31.7	266.81	785.8	68.1	139.1	217.0	0.69	0.718
SEP.	11262.3	34996	3020	5447	8602	72.2	259.40	806.0	69.6	125.5	198.1	1.66	0.713
<b>2ND QTR</b>	<b>35290.7</b>	<b>105423</b>	<b>9257</b>	<b>18448</b>	<b>28912</b>	<b>115.3</b>	<b>255.35</b>	<b>762.8</b>	<b>67.0</b>	<b>133.5</b>	<b>209.2</b>	<b>0.83</b>	<b>0.717</b>
OCT.	11435.1	37398	3122	5002	6842	68.6	320.17	1047.1	87.4	140.0	191.6	1.92	0.664
NOV.	10598.2	28111	3021	5683	8633	58.1	220.64	585.2	62.9	118.3	179.7	1.21	0.632
DEC.	10813.6	30274	3119	4602	6950	6.6	263.25	737.0	75.9	112.0	169.2	0.16	0.629
<b>3RD QTR</b>	<b>32846.9</b>	<b>95783</b>	<b>9262</b>	<b>15287</b>	<b>22425</b>	<b>133.4</b>	<b>263.14</b>	<b>767.3</b>	<b>74.2</b>	<b>122.5</b>	<b>179.7</b>	<b>1.07</b>	<b>0.641</b>
JAN'20	10606.9	33006	3110	4270	6892	9.6	310.88	967.4	91.2	125.2	202.0	0.28	0.628
FEB.	10520.9	28088	2892	4443	7592	12.8	283.54	757.0	77.9	119.7	204.6	0.35	0.615
MAR.	10532.6	29301	3120	4001	6496	51.3	316.83	881.4	93.9	120.4	195.4	1.54	0.621
<b>4TH QTR.</b>	<b>31660.4</b>	<b>90395</b>	<b>9122</b>	<b>12714</b>	<b>20980</b>	<b>73.7</b>	<b>303.06</b>	<b>865.3</b>	<b>87.3</b>	<b>121.7</b>	<b>200.8</b>	<b>0.71</b>	<b>0.621</b>
<b>2019-20</b>	<b>138430.8</b>	<b>386538</b>	<b>36809</b>	<b>67603</b>	<b>108230</b>	<b>408.5</b>	<b>256.67</b>	<b>716.7</b>	<b>68.2</b>	<b>125.3</b>	<b>200.7</b>	<b>0.76</b>	<b>0.660</b>
2018-19	147616.7	338952	36610	80589	130048	379.6	187.70	431.0	46.6	102.5	165.4	0.48	0.539
2017-18	128153.7	393848	36513	116956	271245	352.6	180.84	555.8	51.5	165.0	382.8	0.50	0.601
2016-17	109771.2	313146	93718	75227	145842	381.3	176.99	504.9	151.1	121.3	235.2	0.61	0.414
2015-16	97757.4	252364	123832	42274	68811	587.4	257.88	665.7	326.7	111.5	181.5	1.55	0.427

उत्पादन एवं लब्धि  
PRODUCTION & YIELD

PERIOD	Unit - Tonne										Table No. 12.8(Contd.)		
	INPUT	PLTCM					YIELD (%)	SCALE LOSS	SCRAP	ECL			
		FOR BAF/ECL	FOR HDGL	PRIME	CRUA	Total				INPUT	OUTPUT	YIELD (%)	SCRAP
APR'19	27064	23945	0	23945	763	24708	91.29	135	2221	2851	2794	98.0	57
MAY	39911	36854	0	36854	508	37362	93.61	200	2349	4372	4284	98.0	88
JUN.	40566	37467	0	37467	772	38239	94.26	203	2124	545	535	98.2	10
<b>1ST QTR</b>	<b>107541</b>	<b>98266</b>	<b>0</b>	<b>98266</b>	<b>2043</b>	<b>100309</b>	<b>93.28</b>	<b>538</b>	<b>6694</b>	<b>7768</b>	<b>7613</b>	<b>98.0</b>	<b>155</b>
JUL.	36923	33620	0	33620	870	34490	93.41	185	2248	0	0	-	0
AUG.	45575	42184	0	42184	657	42841	94.00	228	2506	1747	1747	100.0	0
SEP.	34947	32784	0	32784	262	33046	94.56	175	1726	3605	3605	100.0	0
<b>2ND QTR</b>	<b>117445</b>	<b>108588</b>	<b>0</b>	<b>108588</b>	<b>1789</b>	<b>110377</b>	<b>93.98</b>	<b>588</b>	<b>6480</b>	<b>5352</b>	<b>5352</b>	<b>100.0</b>	<b>0</b>
OCT.	38150	35756	0	35756	484	36240	94.99	191	1719	2454	2454	100.0	0
NOV.	49539	46380	0	46380	596	46976	94.83	248	2315	4750	4750	100.0	0
DEC.	45352	42628	0	42628	375	43003	94.82	227	2122	4306	4306	100.0	0
<b>3RD QTR</b>	<b>133041</b>	<b>124764</b>	<b>0</b>	<b>124764</b>	<b>1455</b>	<b>126219</b>	<b>94.87</b>	<b>666</b>	<b>6156</b>	<b>11510</b>	<b>11510</b>	<b>100.0</b>	<b>0</b>
JAN'20	43369	39889	762	40651	152	40803	94.08	217	2349	2573	2573	100.0	0
FEB.	48965	39567	6421	45988	249	46237	94.43	245	2483	1152	1152	100.0	0
MAR.	47076	35778	8246	44024	114	44138	93.76	235	2703	3156	3156	100.0	0
<b>4TH QTR.</b>	<b>139410</b>	<b>115234</b>	<b>15429</b>	<b>130663</b>	<b>515</b>	<b>131178</b>	<b>94.10</b>	<b>697</b>	<b>7535</b>	<b>6881</b>	<b>6881</b>	<b>100.0</b>	<b>0</b>
<b>2019-20</b>	<b>497437</b>	<b>446852</b>	<b>15429</b>	<b>462281</b>	<b>5802</b>	<b>468083</b>	<b>94.10</b>	<b>2489</b>	<b>26865</b>	<b>31511</b>	<b>31356</b>	<b>99.5</b>	<b>155</b>
2018-19	388005	344629	15563	360192	5373	365565	94.22	1923	20517	17699	17317	97.8	382
2017-18	381169	355561	0	355561	0	355561	93.28	1588	24020	0	0	0	0
2016-17	235190	217394	0	217394	0	217394	92.43	0	17796	0	0	0	0
2015-16	95472	85810	0	85810	0	85810	89.88	0	9662	0	0	0	0

# उत्पादन एवं लब्धि PRODUCTION & YIELD

CRM-III

Unit - Tonne

Table No. 12.8(Contd.)

PERIOD	BAF		SPM				HR COIL TO			HDGL				
	OUTPUT	INPUT	OUTPUT	YIELD (%)	PUP COIL	SCRAP	CR COIL YIELD(%)	INPUT			OUTPUT GP Coil	Yield %	Scrap	Zn Dross Generation
								Reduced Coil	Zinc	Total				
APR'19	28315	28241	27288	96.6	852	101	88.21	0	0	0.0	0	-	0.0	0
MAY	32071	31683	30272	95.5	685	726	89.44	0	0	0.0	0	-	0.0	0
JUN.	36945	35560	34110	95.9	1269	181	90.42	0	0	0.0	0	-	0.0	0
<b>1ST QTR</b>	<b>97331</b>	<b>95484</b>	<b>91670</b>	<b>96.0</b>	<b>2806</b>	<b>1008</b>	<b>89.55</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>-</b>	<b>0.0</b>	<b>0</b>
JUL.	36198	36778	35120	95.5	1472	186	89.20	0	0	0.0	0	-	0.0	0
AUG.	40049	40340	38642	95.8	1656	42	90.04	0	0	0.0	0	-	0.0	0
SEP.	36944	36753	34972	95.2	1133	648	89.98	0	0	0.0	0	-	0.0	0
<b>2ND QTR</b>	<b>113191</b>	<b>113871</b>	<b>108734</b>	<b>95.5</b>	<b>4261</b>	<b>876</b>	<b>89.74</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>-</b>	<b>0.0</b>	<b>0</b>
OCT.	33597	34357	32937	95.9	984	436	91.07	0	0	0.0	0	-	0.0	0
NOV.	39252	39066	37585	96.2	1137	344	91.23	0	0	0.0	0	-	0.0	0
DEC.	41289	42377	40557	95.7	934	886	90.75	0	0	0.0	0	-	0.0	0
<b>3RD QTR</b>	<b>114138</b>	<b>115800</b>	<b>111079</b>	<b>95.9</b>	<b>3055</b>	<b>1666</b>	<b>91.00</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>-</b>	<b>0.0</b>	<b>0</b>
JAN'20	41215	41255	39872	96.6	1027	356	90.93	1080	14.1	1094.1	1070	97.8	21.8	2.3
FEB.	39747	40049	38526	96.2	1367	156	90.84	5639	105.3	5744.3	5645	98.3	79.3	20.0
MAR.	41614	42626	40947	96.1	1028	651	90.07	8334	197.0	8531.0	8386	98.3	137.0	8.0
<b>4TH QTR.</b>	<b>122576</b>	<b>123930</b>	<b>119345</b>	<b>96.3</b>	<b>3422</b>	<b>1163</b>	<b>90.61</b>	<b>15053</b>	<b>316</b>	<b>15369.4</b>	<b>15101</b>	<b>98.3</b>	<b>238.1</b>	<b>30.3</b>
<b>2019-20</b>	<b>447236</b>	<b>449085</b>	<b>430828</b>	<b>95.9</b>	<b>13544</b>	<b>4713</b>	<b>90.27</b>	<b>15053</b>	<b>316.4</b>	<b>15369.4</b>	<b>15101</b>	<b>98.3</b>	<b>238.1</b>	<b>30.3</b>
2018-19	336236	338940	325553	96.1	10940	2447	90.50	9520	180.2	9700.2	9338	98.1	344.9	17.3
2017-18	348474	351800	336124	95.5	-	15676	89.13	-	-	-	-	-	-	-
2016-17	199745	210271	203326	96.7	-	6945	89.38	-	-	-	-	-	-	-
2015-16	55459	78193	74234	94.9	-	3959	85.33	-	-	-	-	-	-	-

उत्पादन एवं लब्धि  
PRODUCTION, YIELD AND CONSUMABLES

CRM-III		Unit - Tonne											Table No. 12.8	
PERIOD	CR SALEABLE					Yield of CR Sal. from HRC (%)	CONUMABLES							
	CR Coil	CR Sec	Total	GP COIL	Total		AT PLTCM					AT SPM		
							HCL (T)	Rolling Oil (KL)	Helium(5.0) (m3)	Lasing Gas (m3)	Cr.Iron Oxide(m3)	Electrostatic Oil (KL)	Detergent (T)	
APR'19	27288	1863	29151	0	29151	88.21	404.5	31.2	100.0	0.50	60.41	7.790	7.585	
MAY	30272	1878	32150	0	32150	89.44	413.9	36.9	150.0	0.50	106.34	5.125	7.175	
JUN.	34110	3941	38051	0	38051	90.42	279.7	33.8	150.0	0.50	144.37	7.175	7.995	
<b>1ST QTR</b>	<b>91670</b>	<b>7682</b>	<b>99352</b>	<b>0</b>	<b>99352</b>	<b>89.55</b>	<b>1098.1</b>	<b>101.9</b>	<b>400.0</b>	<b>1.50</b>	<b>311.12</b>	<b>20.090</b>	<b>22.755</b>	
JUL.	35120	0	35120	0	35120	89.20	182.4	32.2	140.0	0.50	176.85	10.250	6.560	
AUG.	38642	2503	41145	0	41145	90.04	166.0	34.0	170.0	0.50	41.10	10.250	8.200	
SEP.	34972	3723	38695	0	38695	89.98	326.5	27.7	140.0	0.50	187.42	6.150	6.150	
<b>2ND QTR</b>	<b>108734</b>	<b>6226</b>	<b>114960</b>	<b>0</b>	<b>114960</b>	<b>89.74</b>	<b>674.9</b>	<b>93.9</b>	<b>450.0</b>	<b>1.50</b>	<b>405.37</b>	<b>26.650</b>	<b>20.910</b>	
OCT.	32937	2153	35090	0	35090	91.07	492.5	31.2	170.0	0.50	283.30	7.790	7.380	
NOV.	37585	2764	40349	0	40349	91.23	310.9	27.3	180.0	0.50	189.80	7.175	5.740	
DEC.	40557	1659	42216	0	42216	90.75	272.7	35.5	230.0	0.50	136.78	7.585	6.970	
<b>3RD QTR</b>	<b>111079</b>	<b>6576</b>	<b>117655</b>	<b>0</b>	<b>117655</b>	<b>91.00</b>	<b>1076.1</b>	<b>93.9</b>	<b>580.0</b>	<b>1.50</b>	<b>609.88</b>	<b>22.550</b>	<b>20.090</b>	
JAN'20	39872	2071	41943	1070	43013	90.96	326.3	35.7	220.0	0.50	211.13	8.610	6.560	
FEB.	38526	956	39482	5645	45127	91.08	168.8	40.2	190.0	0.50	223.17	7.995	6.765	
MAR.	40947	1308	42255	8386	50641	90.41	275.4	30.8	200.0	0.50	121.00	7.380	7.585	
<b>4TH QTR.</b>	<b>119345</b>	<b>4335</b>	<b>123680</b>	<b>15101</b>	<b>138781</b>	<b>90.81</b>	<b>770.4</b>	<b>106.6</b>	<b>610.0</b>	<b>1.50</b>	<b>555.30</b>	<b>23.985</b>	<b>20.910</b>	
<b>2019-20</b>	<b>430828</b>	<b>24819</b>	<b>455647</b>	<b>15101</b>	<b>470748</b>	<b>90.34</b>	<b>3619.5</b>	<b>396.3</b>	<b>2040.0</b>	<b>6.00</b>	<b>1881.67</b>	<b>93.275</b>	<b>84.665</b>	
2018-19	325553	20449	346002	9338	355340	90.50	3405.0	350.8	1670	9.37	1393.54	88.970	47.150	
2017-18	-	-	354064	-	354064	89.13	-	-	-	-	-	-	-	
2016-17	-	-	213974	-	213974	89.38	-	-	-	-	-	-	-	
2015-16	-	-	83036	-	83036	85.33	-	-	-	-	-	-	-	

शीत खेलित कुण्डली का मोटाईवार उत्पादन  
THICKNESSWISE PRODUCTION OF C.R.COIL

CRM-III PERIOD	Unit - Tonne																
	THICKNESS in mm																
	0.4/ 0.45	0.50- 0.57	0.6	0.63- 0.67	0.70/ 0.75	0.8/ 0.85	0.9- 0.97	1.00	1.1/ 1.15	1.2/ 1.25	1.3- 1.45	1.5	1.55/ 1.65	1.7- 1.85	1.9/ 1.95	2.0	Total
APR'19	0	4282	2418	249	738	2466	1714	4057	295	4113	577	3683	1639	112	115	830	27288
MAY	81	3965	3762	608	1686	3207	1196	5461	605	4967	519	2015	1499	0	0	701	30272
JUN.	0	4390	3586	491	1240	3353	3730	4245	362	6667	481	3469	1296	85	0	715	34110
<b>1ST QTR</b>	<b>81</b>	<b>12637</b>	<b>9766</b>	<b>1348</b>	<b>3664</b>	<b>9026</b>	<b>6640</b>	<b>13763</b>	<b>1262</b>	<b>15747</b>	<b>1577</b>	<b>9167</b>	<b>4434</b>	<b>197</b>	<b>115</b>	<b>2246</b>	<b>91670</b>
JUL.	0	4123	4368	667	824	2168	2720	4936	271	6407	560	2690	1833	394	734	2425	35120
AUG.	132	4996	3692	193	1142	3607	3437	5805	564	6792	1953	3157	1471	181	215	1305	38642
SEP.	111	5209	2604	21	505	4080	3182	5429	859	6217	450	2451	2011	259	0	1584	34972
<b>2ND QTR</b>	<b>243</b>	<b>14328</b>	<b>10664</b>	<b>881</b>	<b>2471</b>	<b>9855</b>	<b>9339</b>	<b>16170</b>	<b>1694</b>	<b>19416</b>	<b>2963</b>	<b>8298</b>	<b>5315</b>	<b>834</b>	<b>949</b>	<b>5314</b>	<b>108734</b>
OCT.	599	3761	3380	22	1406	3295	1775	6017	439	4918	425	3205	2467	32	39	1157	32937
NOV.	512	1168	556	0	1369	4722	2613	8580	193	9919	746	3383	1785	340	91	1608	37585
DEC.	975	2856	3030	20	1082	3852	2488	6345	1100	9042	1077	4604	2428	101	204	1353	40557
<b>3RD QTR</b>	<b>2086</b>	<b>7785</b>	<b>6966</b>	<b>42</b>	<b>3857</b>	<b>11869</b>	<b>6876</b>	<b>20942</b>	<b>1732</b>	<b>23879</b>	<b>2248</b>	<b>11192</b>	<b>6680</b>	<b>473</b>	<b>334</b>	<b>4118</b>	<b>111079</b>
JAN'20	1797	4299	4757	15	1445	4823	3583	7003	278	6213	575	2486	1504	247	46	801	39872
FEB.	1396	3804	2459	174	574	6640	2284	6159	1216	7453	698	3108	1778	0	92	691	38526
MAR.	214	3863	1716	0	1197	4068	2944	4742	431	9611	641	4118	4140	27	99	3136	40947
<b>4TH QTR.</b>	<b>3407</b>	<b>11966</b>	<b>8932</b>	<b>189</b>	<b>3216</b>	<b>15531</b>	<b>8811</b>	<b>17904</b>	<b>1925</b>	<b>23277</b>	<b>1914</b>	<b>9712</b>	<b>7422</b>	<b>274</b>	<b>237</b>	<b>4628</b>	<b>119345</b>
<b>2019-20</b>	<b>5817</b>	<b>46716</b>	<b>36328</b>	<b>2460</b>	<b>13208</b>	<b>46281</b>	<b>31666</b>	<b>68779</b>	<b>6613</b>	<b>82319</b>	<b>8702</b>	<b>38369</b>	<b>23851</b>	<b>1778</b>	<b>1635</b>	<b>16306</b>	<b>430828</b>
2018-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

प्राप्यता एवं उपयोग  
AVAILABILITY & UTILISATION

CRM-III (PLTCM)			Unit - (Hrs.:Mts.)			Table No. 12.10(Contd.)		
PERIOD	Calendar Hrs.	Sch. S/D Hrs.	Available Hrs.	Delays Hrs.	Working Hrs.	Availability against Calendar Hrs. (%)	Utilisation against Available Hrs. (%)	Production Rate (t/hr)
APR'19	720:00	07:05	712:55	357:52	355:03	99.02	49.80	69.59
MAY	744:00	43:32	700:28	297:02	403:26	94.15	57.59	92.61
JUN.	720:00	19:45	700:15	312:58	387:17	97.26	55.31	98.74
<b>1ST QTR</b>	<b>2184:00</b>	<b>70:22</b>	<b>2113:38</b>	<b>967:52</b>	<b>1145:46</b>	<b>96.78</b>	<b>54.21</b>	<b>87.55</b>
JUL.	744:00	34:20	709:40	334:03	375:37	95.39	52.93	91.82
AUG.	744:00	47:19	696:41	281:26	415:15	93.64	59.60	103.17
SEP.	720:00	29:10	690:50	333:13	357:37	95.95	51.77	92.41
<b>2ND QTR</b>	<b>2208:00</b>	<b>110:49</b>	<b>2097:11</b>	<b>948:42</b>	<b>1148:29</b>	<b>94.98</b>	<b>54.76</b>	<b>96.11</b>
OCT.	744:00	21:20	722:40	291:53	430:47	97.13	59.61	84.13
NOV.	720:00	30:33	689:27	220:08	469:19	95.76	68.07	100.09
DEC.	744:00	71:26	672:34	212:22	460:12	90.40	68.42	93.44
<b>3RD QTR</b>	<b>2208:00</b>	<b>123:19</b>	<b>2084:41</b>	<b>724:23</b>	<b>1360:18</b>	<b>94.42</b>	<b>65.25</b>	<b>92.79</b>
JAN'20	744:00	13:15	730:45	301:46	428:59	98.22	58.70	95.12
FEB.	696:00	00:00	696:00	285:04	410:56	100.00	59.04	112.52
MAR.	744:00	23:35	720:25	302:56	417:29	96.83	57.95	105.72
<b>4TH QTR.</b>	<b>2184:00</b>	<b>36:50</b>	<b>2147:10</b>	<b>889:46</b>	<b>1257:24</b>	<b>98.31</b>	<b>58.56</b>	<b>104.32</b>
<b>2019-20</b>	<b>8784:00</b>	<b>341:20</b>	<b>8442:40</b>	<b>3530:43</b>	<b>4911:57</b>	<b>96.11</b>	<b>58.18</b>	<b>95.29</b>
2018-19	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-

**प्राप्यता एवं उपयोग**  
**AVAILABILITY & UTILISATION**

CRM-III (SPM)

Unit - (Hrs.:Mts.)

Table No. 12.10

PERIOD	Calendar Hrs.	Sch. S/D Hrs.	Available Hrs.	Delays Hrs.	Working Hrs.	Availability against Calendar Hrs. (%)	Utilisation against Available Hrs. (%)	Production Rate (t/hr)
APR'19	720:00	32:30	687:30	215:45	471:45	95.49	68.62	57.84
MAY	744:00	29:40	714:20	216:10	498:10	96.01	69.74	60.77
JUN.	720:00	32:00	688:00	214:50	473:10	95.56	68.77	72.09
<b>1ST QTR</b>	<b>2184:00</b>	<b>94:10</b>	<b>2089:50</b>	<b>646:45</b>	<b>1443:05</b>	<b>95.69</b>	<b>69.05</b>	<b>63.52</b>
JUL.	744:00	33:00	711:00	115:10	595:50	95.56	83.80	58.94
AUG.	744:00	26:15	717:45	132:45	585:00	96.47	81.50	66.05
SEP.	720:00	34:00	686:00	162:06	523:54	95.28	76.37	66.75
<b>2ND QTR</b>	<b>2208:00</b>	<b>93:15</b>	<b>2114:45</b>	<b>410:01</b>	<b>1704:44</b>	<b>95.78</b>	<b>80.61</b>	<b>63.78</b>
OCT.	744:00	23:00	721:00	189:22	531:38	96.91	73.74	61.95
NOV.	720:00	38:10	681:50	182:28	499:22	94.70	73.24	75.27
DEC.	744:00	20:25	723:35	179:25	544:10	97.26	75.20	74.53
<b>3RD QTR</b>	<b>2208:00</b>	<b>81:35</b>	<b>2126:25</b>	<b>551:15</b>	<b>1575:10</b>	<b>96.31</b>	<b>74.08</b>	<b>70.52</b>
JAN'20	744:00	26:45	717:15	198:10	519:05	96.40	72.37	76.81
FEB.	696:00	13:40	682:20	176:33	505:47	98.04	74.13	76.17
MAR.	744:00	22:35	721:25	188:55	532:30	96.96	73.81	76.90
<b>4TH QTR.</b>	<b>2184:00</b>	<b>63:00</b>	<b>2121:00</b>	<b>563:38</b>	<b>1557:22</b>	<b>97.12</b>	<b>73.43</b>	<b>76.63</b>
<b>2019-20</b>	<b>8784:00</b>	<b>332:00</b>	<b>8452:00</b>	<b>2171:39</b>	<b>6280:21</b>	<b>96.22</b>	<b>74.31</b>	<b>68.60</b>
2018-19	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-



विलम्बन विभाजन  
BREAK-UP OF DELAYS

PERIOD	Unit - (Hrs.:Mts.)								Total
	Operational	Mechanical	Electrical	Technical	Miscellaneous		Power	Miscellaneous	
					Internal	Shortage			
APR'19	48:37	57:32	78:33	97:15	00:30	00:00	75:25	357:52	
MAY	62:30	33:51	65:24	64:12	00:30	00:50	69:45	297:02	
JUN.	75:58	65:10	48:54	61:36	00:20	00:00	61:00	312:58	
<b>1ST QTR</b>	<b>187:05</b>	<b>156:33</b>	<b>192:51</b>	<b>223:03</b>	<b>01:20</b>	<b>00:50</b>	<b>206:10</b>	<b>967:52</b>	
JUL.	43:52	35:28	72:48	87:08	01:07	00:00	93:40	334:03	
AUG.	49:43	19:47	54:43	77:25	00:00	00:00	79:48	281:26	
SEP.	53:19	39:48	46:54	44:24	00:50	00:00	147:58	333:13	
<b>2ND QTR</b>	<b>146:54</b>	<b>95:03</b>	<b>174:25</b>	<b>208:57</b>	<b>01:57</b>	<b>00:00</b>	<b>321:26</b>	<b>948:42</b>	
OCT.	39:14	32:32	67:19	75:56	00:45	00:00	76:07	291:53	
NOV.	32:01	12:50	48:02	69:18	04:52	00:00	53:05	220:08	
DEC.	29:59	52:38	27:01	62:06	00:51	03:30	36:17	212:22	
<b>3RD QTR</b>	<b>101:14</b>	<b>98:00</b>	<b>142:22</b>	<b>207:20</b>	<b>06:28</b>	<b>03:30</b>	<b>165:29</b>	<b>724:23</b>	
JAN'20	26:54	18:34	17:47	49:26	03:25	00:00	185:40	301:46	
FEB.	26:04	12:19	36:54	49:07	03:30	00:00	157:10	285:04	
MAR.	41:28	12:45	55:15	52:37	87:59	00:00	52:52	302:56	
<b>4TH QTR.</b>	<b>94:26</b>	<b>43:38</b>	<b>109:56</b>	<b>151:10</b>	<b>94:54</b>	<b>00:00</b>	<b>395:42</b>	<b>889:46</b>	
<b>2019-20</b>	<b>529:39</b>	<b>393:14</b>	<b>619:34</b>	<b>790:30</b>	<b>104:39</b>	<b>04:20</b>	<b>1088:47</b>	<b>3530:43</b>	
2018-19	-	-	-	-	-	-	-	-	
2017-18	-	-	-	-	-	-	-	-	
2016-17	-	-	-	-	-	-	-	-	
2015-16	-	-	-	-	-	-	-	-	

**दिलम्पन विभाजन**  
**BREAK-UP OF DELAYS**

CRM-III (SPM)

Unit - (Hrs.:Mts.)

Table No.12.11

PERIOD	Operational	Mechanical	Electrical	Technical	Miscellaneous Internal	Power Shortage	Miscellaneous External	Total
APR'19	00:00	10:55	30:25	14:35	00:00	00:00	159:50	215:45
MAY	02:00	11:40	23:10	05:45	00:00	00:00	173:35	216:10
JUN.	27:10	105:00	28:10	03:50	00:00	00:00	50:40	214:50
<b>1ST QTR</b>	<b>29:10</b>	<b>127:35</b>	<b>81:45</b>	<b>24:10</b>	<b>00:00</b>	<b>00:00</b>	<b>384:05</b>	<b>646:45</b>
JUL.	01:50	35:05	35:25	18:45	03:25	00:00	20:40	115:10
AUG.	04:30	08:55	56:45	12:35	09:00	00:00	41:00	132:45
SEP.	03:40	55:52	13:20	15:30	13:00	00:00	60:44	162:06
<b>2ND QTR</b>	<b>10:00</b>	<b>99:52</b>	<b>105:30</b>	<b>46:50</b>	<b>25:25</b>	<b>00:00</b>	<b>122:24</b>	<b>410:01</b>
OCT.	00:59	22:40	28:49	17:10	11:10	00:00	108:34	189:22
NOV.	00:00	33:40	37:10	08:30	18:25	00:00	84:43	182:28
DEC.	00:00	08:45	20:50	10:45	11:40	03:30	123:55	179:25
<b>3RD QTR</b>	<b>00:59</b>	<b>65:05</b>	<b>86:49</b>	<b>36:25</b>	<b>41:15</b>	<b>03:30</b>	<b>317:12</b>	<b>551:15</b>
JAN'20	03:15	92:30	47:55	24:20	14:00	00:00	16:10	198:10
FEB.	04:14	116:54	10:45	17:25	02:05	00:00	25:10	176:33
MAR.	05:55	38:10	29:00	10:30	08:55	00:00	96:25	188:55
<b>4TH QTR.</b>	<b>13:24</b>	<b>247:34</b>	<b>87:40</b>	<b>52:15</b>	<b>25:00</b>	<b>00:00</b>	<b>137:45</b>	<b>563:38</b>
<b>2019-20</b>	<b>53:33</b>	<b>540:06</b>	<b>361:44</b>	<b>159:40</b>	<b>91:40</b>	<b>03:30</b>	<b>961:26</b>	<b>2171:39</b>
2018-19	-	-	-	-	-	-	-	-
2017-18	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-

भोगाओं की खपत  
CONSUMPTION OF SERVICES

CRM-III

Table No. 12.12

PERIOD	TOTAL					PER TONNE OF SALEABLE CR PRODUCTS					Heat/t of Ann. Coil(III) (10 <sup>6</sup> Kcal)
	Electri- city (MWH)	Steam (t)	Water (10 <sup>3</sup> m <sup>3</sup> )	CO Gas (10 <sup>3</sup> m <sup>3</sup> )	BF Gas (10 <sup>3</sup> m <sup>3</sup> )	Electri- city (KWH)	Steam (Kg)	Water (m <sup>3</sup> )	CO Gas (m <sup>3</sup> )	BF Gas (m <sup>3</sup> )	
APR'19	8179.5	15119	144	1953	3923	280.6	518.6	4.9	67.0	134.6	0.376
MAY	10054.2	14899	147	2280	4245	312.7	463.4	4.6	70.9	132.0	0.392
JUN.	8841.4	15446	143	2669	4350	232.4	405.9	3.8	70.1	114.3	0.388
<b>1ST QTR</b>	<b>27075.1</b>	<b>45464</b>	<b>434</b>	<b>6902</b>	<b>12518</b>	<b>272.5</b>	<b>457.6</b>	<b>4.4</b>	<b>69.5</b>	<b>126.0</b>	<b>0.386</b>
JUL.	9872.3	16724	146	2594	4295	281.1	476.2	4.2	73.9	122.3	0.390
AUG.	10242.0	17448	144	2836	4741	248.9	424.1	3.5	68.9	115.2	0.386
SEP.	8732.0	16939	148	2635	4416	225.7	437.8	3.8	68.1	114.1	0.388
<b>2ND QTR</b>	<b>28846.3</b>	<b>51111</b>	<b>438</b>	<b>8065</b>	<b>13452</b>	<b>250.9</b>	<b>444.6</b>	<b>3.8</b>	<b>70.2</b>	<b>117.0</b>	<b>0.388</b>
OCT.	8299.5	18143	145	2123	3418	236.5	517.0	4.1	60.5	97.4	0.332
NOV.	9199.2	13438	144	2365	3811	228.0	333.0	3.6	58.6	94.5	0.321
DEC.	8872.5	15100	146	2457	3979	210.2	357.7	3.5	58.2	94.3	0.318
<b>3RD QTR</b>	<b>26371.2</b>	<b>46681</b>	<b>435</b>	<b>6945</b>	<b>11208</b>	<b>224.1</b>	<b>396.8</b>	<b>3.7</b>	<b>59.0</b>	<b>95.3</b>	<b>0.323</b>
JAN'20	8518.1	16479	142	2415	4207	198.0	383.1	3.3	56.1	97.8	0.316
FEB.	8313.7	14092	134	2272	4149	184.2	312.3	3.0	50.3	91.9	0.312
MAR.	9340.9	14917	141	2464	4385	184.5	294.6	2.8	48.7	86.6	0.314
<b>4TH QTR.</b>	<b>26172.7</b>	<b>45488</b>	<b>417</b>	<b>7151</b>	<b>12741</b>	<b>188.6</b>	<b>327.8</b>	<b>3.0</b>	<b>51.5</b>	<b>91.8</b>	<b>0.314</b>
<b>2019-20</b>	<b>108465.3</b>	<b>188744</b>	<b>1724</b>	<b>29063</b>	<b>49919</b>	<b>230.4</b>	<b>400.9</b>	<b>3.7</b>	<b>61.7</b>	<b>106.0</b>	<b>0.351</b>
2018-19	103413.2	179740	1716	26128	44754	291.0	505.8	4.8	73.5	125.9	0.386
2017-18	88904.8	-	1700	-	-	251.1	-	4.8	-	-	-
2016-17	-	-	1358	-	-	-	-	6.3	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-

# भोपाओं की खपत CONSUMPTION OF SERVICES

CRM

Table No. 12.13

PERIOD	TOTAL						PER TONNE OF SALEABLE CR PRODUCTS						Heat/t of Ann. Coil (10 <sup>6</sup> Kcal)
	Electri- city (MWH)	Steam (t)	Water (10 <sup>3</sup> m <sup>3</sup> )	CO Gas (10 <sup>3</sup> m <sup>3</sup> )	BF Gas (10 <sup>3</sup> m <sup>3</sup> )	Refrac- tory (t)	Electri- city (KWH)	Steam (Kg)	Water (m <sup>3</sup> )	CO Gas (m <sup>3</sup> )	BF Gas (m <sup>3</sup> )	Refrac- tory (Kg)	
	APR'19	21165.1	46900	3167	9408	17377	44.7	233.9	518.2	35.0	104.0	192.0	
MAY	23032.2	46065	3268	8971	16068	5.0	254.2	508.5	36.1	99.0	177.4	0.06	0.552
JUN.	21510.6	47436	3167	9677	14986	36.5	238.8	526.6	35.2	107.4	166.4	0.40	0.550
<b>1ST QTR</b>	<b>65707.9</b>	<b>140401</b>	<b>9602</b>	<b>28056</b>	<b>48431</b>	<b>86.1</b>	<b>242.3</b>	<b>517.7</b>	<b>35.4</b>	<b>103.5</b>	<b>178.6</b>	<b>0.32</b>	<b>0.548</b>
JUL.	21691.0	51191	3266	9228	14675	11.4	257.8	608.3	38.8	109.7	174.4	0.14	0.564
AUG.	22451.7	53408	3261	9203	14671	31.7	258.3	614.5	37.5	105.9	168.8	0.36	0.555
SEP.	19994.3	51935	3168	8082	13018	72.2	243.5	632.5	38.6	98.4	158.5	0.88	0.553
<b>2ND QTR</b>	<b>64137.0</b>	<b>156534</b>	<b>9695</b>	<b>26513</b>	<b>42364</b>	<b>115.3</b>	<b>253.3</b>	<b>618.3</b>	<b>38.3</b>	<b>104.7</b>	<b>167.3</b>	<b>0.46</b>	<b>0.557</b>
OCT.	19734.6	55541	3267	7125	10260	68.6	278.7	784.4	46.1	100.6	144.9	0.97	0.503
NOV.	19797.4	41549	3165	8048	12444	58.1	224.0	470.1	35.8	91.1	140.8	0.66	0.485
DEC.	19686.1	45374	3265	7059	10929	6.6	236.3	544.8	39.2	84.7	131.2	0.08	0.461
<b>3RD QTR</b>	<b>59218.1</b>	<b>142464</b>	<b>9697</b>	<b>22232</b>	<b>33633</b>	<b>133.4</b>	<b>244.2</b>	<b>587.5</b>	<b>40.0</b>	<b>91.7</b>	<b>138.7</b>	<b>0.55</b>	<b>0.482</b>
JAN'20	19125.0	49485	3252	6685	11099	9.6	248.0	641.6	42.2	86.7	143.9	0.12	0.457
FEB.	18834.6	42180	3026	6715	11741	12.8	229.0	512.9	36.8	81.7	142.8	0.16	0.452
MAR.	19873.5	44218	3261	6465	10881	51.3	236.9	527.1	38.9	77.1	129.7	0.61	0.449
<b>4TH QTR.</b>	<b>57833.1</b>	<b>135883</b>	<b>9539</b>	<b>19865</b>	<b>33721</b>	<b>73.7</b>	<b>237.8</b>	<b>558.6</b>	<b>39.2</b>	<b>81.7</b>	<b>138.6</b>	<b>0.30</b>	<b>0.453</b>
<b>2019-20</b>	<b>246896.1</b>	<b>575282</b>	<b>38533</b>	<b>96666</b>	<b>158149</b>	<b>408.5</b>	<b>244.4</b>	<b>569.5</b>	<b>38.1</b>	<b>95.7</b>	<b>156.6</b>	<b>0.40</b>	<b>0.511</b>
2018-19	251029.9	518692	38326	106717	174802	379.6	219.9	454.3	33.6	93.5	153.1	0.33	0.539
2017-18	217058.5	393848	38213	116956	271245	352.6	204.2	370.6	36.0	110.1	255.2	0.33	0.601
2016-17	109771.2	313146	95076	75227	145841	381.3	131.6	375.4	114.0	90.2	174.8	0.46	0.414
2015-16	97757.4	252364	123832	42274	68811	587.4	211.5	546.1	268.0	91.5	148.9	1.27	0.427

**RMP AND RED**

## सारांश SUMMARY

R.M.P.		Unit - Tonne					Table No. 13.1
NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
<b><u>LIME KILN</u></b>							
1.1	<b>PRODUCTION (CALCINED LIME)</b>						
	SMS Grade	Tonne	203815	221275	211270	182720	208140
	Lime Dust	"	20381.5	22127.5	21127.0	18272.0	20814.0
	Total	"	224196.5	243402.5	232397.0	200992.0	228954.0
1.2	<b>PRODUCTION (CALCINED DOLO)</b>						
	SMS Grade	Tonne	111515	125180	114850	111885	100990
	Lime Dust	"	11151.5	12518.0	11485.0	11188.5	10099.0
	Total	"	122666.5	137698.0	126335.0	123073.5	111089.0
1.2	<b>TOTAL LIME PRODUCTION</b>						
	SMS Grade	Tonne	315330	346455	326120	294605	309130
	Lime Dust	"	31533.0	34645.5	32612.0	29460.5	30913.0
	Total	"	346863.0	381100.5	358732.0	324065.5	340043.0
1.3	<b>CONSUMPTION</b>						
	Lime Stone	Tonne	428011.5	464677.5	443667	383712.5	437094
	Dolomite (Lump)	"	245333	275396	252670	246147	222178
	Crude Tar	"	76580	82212	79940	71250	69570
	Furnace Oil	KL	0	25	15	20	40
	Coke Oven Gas	10 <sup>3</sup> m <sup>3</sup>	12314	17650	20937	18819	38954
1.4	<b>YIELD OF METALLURGICAL LIME FROM TOTAL INPUT</b>						
	SMS Grade	%	46.8	46.8	46.8	46.8	46.9
	Lime Dust	"	4.7	4.7	4.7	4.7	4.7
	Total (Excluding Rejection)	"	51.5	51.5	51.5	51.5	51.6

चूना का उत्पादन  
PRODUCTION OF LIME

R.M.P. Unit - Tonne Table no. 13.2 (Contd.)

PERIOD	KILN NO.1			KILN NO.2			KILN NO.3			KILN NO.4		
	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total
	Lime	Dust		Lime	Dust		Lime	Dust		Lime	Dust	
APR '19	165.0	16.5	181.5	5445.0	544.5	5989.5	150.0	15.0	165.0	2035.0	203.5	2238.5
MAY	0.0	0.0	0.0	3935.0	393.5	4328.5	0.0	0.0	0.0	5725.0	572.5	6297.5
JUN	0.0	0.0	0.0	7250.0	725.0	7975.0	10.0	1.0	11.0	4915.0	491.5	5406.5
<b>1ST QTR.</b>	<b>165.0</b>	<b>16.5</b>	<b>181.5</b>	<b>16630.0</b>	<b>1663.0</b>	<b>18293.0</b>	<b>160.0</b>	<b>16.0</b>	<b>176.0</b>	<b>12675.0</b>	<b>1267.5</b>	<b>13942.5</b>
JUL	0.0	0.0	0.0	670.0	67.0	737.0	7580.0	758.0	8338.0	7580.0	758.0	8338.0
AUG	0.0	0.0	0.0	6745.0	674.5	7419.5	2380.0	238.0	2618.0	0.0	0.0	0.0
SEP	0.0	0.0	0.0	7320.0	732.0	8052.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>2ND QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14735.0</b>	<b>1473.5</b>	<b>16208.5</b>	<b>9960.0</b>	<b>996.0</b>	<b>10956.0</b>	<b>7580.0</b>	<b>758.0</b>	<b>8338.0</b>
OCT	0.0	0.0	0.0	7365.0	736.5	8101.5	2935.0	293.5	3228.5	0.0	0.0	0.0
NOV	0.0	0.0	0.0	0.0	0.0	0.0	6020.0	602.0	6622.0	0.0	0.0	0.0
DEC	0.0	0.0	0.0	0.0	0.0	0.0	8150.0	815.0	8965.0	0.0	0.0	0.0
<b>3RD QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7365.0</b>	<b>736.5</b>	<b>8101.5</b>	<b>17105.0</b>	<b>1710.5</b>	<b>18815.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
JAN '20	0.0	0.0	0.0	6460.0	646.0	7106.0	1620.0	162.0	1782.0	4120.0	412.0	4532.0
FEB	0.0	0.0	0.0	6585.0	658.5	7243.5	2595.0	259.5	2854.5	6700.0	670.0	7370.0
MAR	0.0	0.0	0.0	2665.0	266.5	2931.5	4535.0	453.5	4988.5	7400.0	740.0	8140.0
<b>4TH QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15710.0</b>	<b>1571.0</b>	<b>17281.0</b>	<b>8750.0</b>	<b>875.0</b>	<b>9625.0</b>	<b>18220.0</b>	<b>1822.0</b>	<b>20042.0</b>
<b>2019-20</b>	<b>165.0</b>	<b>16.5</b>	<b>181.5</b>	<b>54440.0</b>	<b>5444.0</b>	<b>59884.0</b>	<b>35975.0</b>	<b>3597.5</b>	<b>39572.5</b>	<b>38475.0</b>	<b>3847.5</b>	<b>42322.5</b>
2018-19	865.0	86.5	951.5	43585.0	4358.5	47943.5	54040.0	5404.0	59444.0	27395.0	2739.5	30134.5
2017-18	0.0	0.0	0.0	40180.0	4018.0	44198.0	44640.0	4464.0	49104.0	48660.0	4866.0	53526.0
2016-17	0.0	0.0	0.0	26360.0	2636.0	28996.0	60610.0	6061.0	66671.0	26190.0	2619.0	28809.0
2015-16	1990.0	199.0	2189.0	60450.0	6045.0	66495.0	50250.0	5025.0	55275.0	27690.0	2769.0	30459.0

# चूना का उत्पादन PRODUCTION OF LIME

R.M.P.	Unit - Tonne									Table no. 13.2
PERIOD	KILN NO.5			KILN NO.6			Total Lime			
	SMS Gr. Lime	Lime Dust	Total	SMS Gr. Lime	Lime Dust	Total	SMS Gr. Lime	Lime Dust	Total	
APR '19	5430.0	543.0	5973.0	5935.0	593.5	6528.5	19160.0	1916.0	21076.0	
MAY	2515.0	251.5	2766.5	6085.0	608.5	6693.5	18260.0	1826.0	20086.0	
JUN	0.0	0.0	0.0	4675.0	467.5	5142.5	16850.0	1685.0	18535.0	
<b>1ST QTR.</b>	<b>7945.0</b>	<b>794.5</b>	<b>8739.5</b>	<b>16695.0</b>	<b>1669.5</b>	<b>18364.5</b>	<b>54270.0</b>	<b>5427.0</b>	<b>59697.0</b>	
JUL	1920.0	192.0	2112.0	1455.0	145.5	1600.5	19205.0	1920.5	21125.5	
AUG	1985.0	198.5	2183.5	4510.0	451.0	4961.0	15620.0	1562.0	17182.0	
SEP	0.0	0.0	0.0	6705.0	670.5	7375.5	14025.0	1402.5	15427.5	
<b>2ND QTR.</b>	<b>3905.0</b>	<b>390.5</b>	<b>4295.5</b>	<b>12670.0</b>	<b>1267.0</b>	<b>13937.0</b>	<b>48850.0</b>	<b>4885.0</b>	<b>53735.0</b>	
OCT	235.0	23.5	258.5	4980.0	498.0	5478.0	15515.0	1551.5	17066.5	
NOV	6075.0	607.5	6682.5	1015.0	101.5	1116.5	13110.0	1311.0	14421.0	
DEC	7895.0	789.5	8684.5	0.0	0.0	0.0	16045.0	1604.5	17649.5	
<b>3RD QTR.</b>	<b>14205.0</b>	<b>1420.5</b>	<b>15625.5</b>	<b>5995.0</b>	<b>599.5</b>	<b>6594.5</b>	<b>44670.0</b>	<b>4467.0</b>	<b>49137.0</b>	
JAN '20	3940.0	394.0	4334.0	2010.0	201.0	2211.0	18150.0	1815.0	19965.0	
FEB	0.0	0.0	0.0	1610.0	161.0	1771.0	17490.0	1749.0	19239.0	
MAR	0.0	0.0	0.0	5785.0	578.5	6363.5	20385.0	2038.5	22423.5	
<b>4TH QTR.</b>	<b>3940.0</b>	<b>394.0</b>	<b>4334.0</b>	<b>9405.0</b>	<b>940.5</b>	<b>10345.5</b>	<b>56025.0</b>	<b>5602.5</b>	<b>61627.5</b>	
<b>2019-20</b>	<b>29995.0</b>	<b>2999.5</b>	<b>32994.5</b>	<b>44765.0</b>	<b>4476.5</b>	<b>49241.5</b>	<b>203815.0</b>	<b>20381.5</b>	<b>224196.5</b>	
2018-19	34715.0	3471.5	38186.5	60675.0	6067.5	66742.5	221275.0	22127.5	243402.5	
2017-18	46815.0	4681.5	51496.5	30975.0	3097.5	34072.5	211270.0	21127.0	232397.0	
2016-17	23855.0	2385.5	26240.5	45705.0	4570.5	50275.5	182720.0	18272.0	200992.0	
2015-16	17185.0	1718.5	18903.5	50575.0	5057.5	55632.5	208140.0	20814.0	228954.0	



निश्तापित डोलोमाइट का उत्पादन  
PRODUCTION OF CALCINED DOLOMITE

Table no. 13.3 (Contd.)

R.M.P.	Unit - Tonne											
	KILN NO.1			KILN NO.2			KILN NO.3			KILN NO.4		
	PERIOD	+10mm	-10mm	Total	+10mm	-10mm	Total	+10mm	-10mm	Total	+10mm	-10mm
APR '19	7285.0	728.5	8013.5	0.0	0.0	0.0	75.0	7.5	82.5	0.0	0.0	0.0
MAY	7650.0	765.0	8415.0	0.0	0.0	0.0	0.0	0.0	0.0	990.0	99.0	1089.0
JUN	4905.0	490.5	5395.5	0.0	0.0	0.0	0.0	0.0	0.0	1905.0	190.5	2095.5
<b>1ST QTR.</b>	<b>19840.0</b>	<b>1984.0</b>	<b>21824.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>75.0</b>	<b>7.5</b>	<b>82.5</b>	<b>2895.0</b>	<b>289.5</b>	<b>3184.5</b>
JUL	7280.0	728.0	8008.0	0.0	0.0	0.0	0.0	0.0	0.0	295.0	29.5	324.5
AUG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4120.0	412.0	4532.0
SEP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>2ND QTR.</b>	<b>7280.0</b>	<b>728.0</b>	<b>8008.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4415.0</b>	<b>441.5</b>	<b>4856.5</b>
OCT	265.0	26.5	291.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NOV	7385.0	738.5	8123.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DEC	8085.0	808.5	8893.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>3RD QTR.</b>	<b>15735.0</b>	<b>1573.5</b>	<b>17308.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
JAN '20	4545.0	454.5	4999.5	0.0	0.0	0.0	85.0	8.5	93.5	0.0	0.0	0.0
FEB	0.0	0.0	0.0	955.0	95.5	1050.5	0.0	0.0	0.0	0.0	0.0	0.0
MAR	6770.0	677.0	7447.0	1895.0	189.5	2084.5	0.0	0.0	0.0	0.0	0.0	0.0
<b>4TH QTR.</b>	<b>11315.0</b>	<b>1131.5</b>	<b>12446.5</b>	<b>2850.0</b>	<b>285.0</b>	<b>3135.0</b>	<b>85.0</b>	<b>8.5</b>	<b>93.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>2019-20</b>	<b>54170.0</b>	<b>5417.0</b>	<b>59587.0</b>	<b>2850.0</b>	<b>285.0</b>	<b>3135.0</b>	<b>160.0</b>	<b>16.0</b>	<b>176.0</b>	<b>7310.0</b>	<b>731.0</b>	<b>8041.0</b>
2018-19	45075.0	4507.5	49582.5	4705.0	470.5	5175.5	14600.0	1460.0	16060.0	38380.0	3838.0	42218.0
2017-18	60085.0	6008.5	66093.5	12370.0	1237.0	13607.0	11680.0	1168.0	12848.0	3530.0	353.0	3883.0
2016-17	47495.0	4749.5	52244.5	12875.0	1287.5	14162.5	1945.0	194.5	2139.5	16170.0	1617.0	17787.0
2015-16	53630.0	5363.0	58993.0	30.0	3.0	33.0	6630.0	663.0	7293.0	8710.0	871.0	9581.0

**निश्चापित डोलोमाइट का उत्पादन**  
**PRODUCTION OF CALCINED DOLOMITE**

R.M.P.	Unit - Tonne									Table no. 13.3
	KILN NO.5			KILN NO.6			Total			
	PERIOD	+10mm	-10mm	Total	+10mm	-10mm	Total	+10mm	-10mm	
APR '19	2240.0	224.0	2464.0	0.0	0.0	0.0	9600.0	960.0	10560.0	
MAY	470.0	47.0	517.0	0.0	0.0	0.0	9110.0	911.0	10021.0	
JUN	2400.0	240.0	2640.0	1830.0	183.0	2013.0	11040.0	1104.0	12144.0	
<b>1ST QTR.</b>	<b>5110.0</b>	<b>511.0</b>	<b>5621.0</b>	<b>1830.0</b>	<b>183.0</b>	<b>2013.0</b>	<b>29750.0</b>	<b>2975.0</b>	<b>32725.0</b>	
JUL	1160.0	116.0	1276.0	2195.0	219.5	2414.5	10930.0	1093.0	12023.0	
AUG	4185.0	418.5	4603.5	55.0	5.5	60.5	8360.0	836.0	9196.0	
SEP	7735.0	773.5	8508.5	0.0	0.0	0.0	7735.0	773.5	8508.5	
<b>2ND QTR.</b>	<b>13080.0</b>	<b>1308.0</b>	<b>14388.0</b>	<b>2250.0</b>	<b>225.0</b>	<b>2475.0</b>	<b>27025.0</b>	<b>2702.5</b>	<b>29727.5</b>	
OCT	5730.0	573.0	6303.0	1640.0	164.0	1804.0	7635.0	763.5	8398.5	
NOV	0.0	0.0	0.0	0.0	0.0	0.0	7385.0	738.5	8123.5	
DEC	0.0	0.0	0.0	0.0	0.0	0.0	8085.0	808.5	8893.5	
<b>3RD QTR.</b>	<b>5730.0</b>	<b>573.0</b>	<b>6303.0</b>	<b>1640.0</b>	<b>164.0</b>	<b>1804.0</b>	<b>23105.0</b>	<b>2310.5</b>	<b>25415.5</b>	
JAN '20	4090.0	409.0	4499.0	1755.0	175.5	1930.5	10475.0	1047.5	11522.5	
FEB	4325.0	432.5	4757.5	4915.0	491.5	5406.5	10195.0	1019.5	11214.5	
MAR	0.0	0.0	0.0	2300.0	230.0	2530.0	10965.0	1096.5	12061.5	
<b>4TH QTR.</b>	<b>8415.0</b>	<b>841.5</b>	<b>9256.5</b>	<b>8970.0</b>	<b>897.0</b>	<b>9867.0</b>	<b>31635.0</b>	<b>3163.5</b>	<b>34798.5</b>	
<b>2019-20</b>	<b>32335.0</b>	<b>3233.5</b>	<b>35568.5</b>	<b>14690.0</b>	<b>1469.0</b>	<b>16159.0</b>	<b>111515.0</b>	<b>11151.5</b>	<b>122666.5</b>	
2018-19	21590.0	2159.0	23749.0	830.0	83.0	913.0	125180.0	12518.0	137698.0	
2017-18	15280.0	1528.0	16808.0	11905.0	1190.5	13095.5	114850.0	11485.0	126335.0	
2016-17	26530.0	2653.0	29183.0	6870.0	687.0	7557.0	111885.0	11188.5	123073.5	
2015-16	23940.0	2394.0	26334.0	8050.0	805.0	8855.0	100990.0	10099.0	111089.0	

कच्चे माल की खपत  
CONSUMPTION OF RAW MATERIALS

R.M.P. PERIOD	Unit - Tonne						Total
	LIME STONE AT KILN						
	No.1	No.2	No.3	No.4	No.5	No.6	
APR '19	346.5	11434.5	315.0	4273.5	11403.0	12463.5	40236.0
MAY	0.0	8263.5	0.0	12022.5	5281.5	12778.5	38346.0
JUN	0.0	15225.0	21.0	10321.5	0.0	9817.5	35385.0
<b>1ST QTR.</b>	<b>346.5</b>	<b>34923.0</b>	<b>336.0</b>	<b>26617.5</b>	<b>16684.5</b>	<b>35059.5</b>	<b>113967.0</b>
JUL	0.0	1407.0	15918.0	15918.0	4032.0	3055.5	40330.5
AUG	0.0	14164.5	4998.0	0.0	4168.5	9471.0	32802.0
SEP	0.0	15372.0	0.0	0.0	0.0	14080.5	29452.5
<b>2ND QTR.</b>	<b>0.0</b>	<b>30943.5</b>	<b>20916.0</b>	<b>15918.0</b>	<b>8200.5</b>	<b>26607.0</b>	<b>102585.0</b>
OCT	0.0	15466.5	6163.5	0.0	493.5	10458.0	32581.5
NOV	0.0	0.0	12642.0	0.0	12757.5	2131.5	27531.0
DEC	0.0	0.0	17115.0	0.0	16579.5	0.0	33694.5
<b>3RD QTR.</b>	<b>0.0</b>	<b>15466.5</b>	<b>35920.5</b>	<b>0.0</b>	<b>29830.5</b>	<b>12589.5</b>	<b>93807.0</b>
JAN '20	0.0	13566.0	3402.0	8652.0	8274.0	4221.0	38115.0
FEB	0.0	13828.5	5449.5	14070.0	0.0	3381.0	36729.0
MAR	0.0	5596.5	9523.5	15540.0	0.0	12148.5	42808.5
<b>4TH QTR.</b>	<b>0.0</b>	<b>32991.0</b>	<b>18375.0</b>	<b>38262.0</b>	<b>8274.0</b>	<b>19750.5</b>	<b>117652.5</b>
<b>2019-20</b>	<b>346.5</b>	<b>114324.0</b>	<b>75547.5</b>	<b>80797.5</b>	<b>62989.5</b>	<b>94006.5</b>	<b>428011.5</b>
<b>2018-19</b>	<b>1816.5</b>	<b>91528.5</b>	<b>113484.0</b>	<b>57529.5</b>	<b>72901.5</b>	<b>127417.5</b>	<b>464677.5</b>
<b>2017-18</b>	<b>0.0</b>	<b>84378.0</b>	<b>93744.0</b>	<b>102186.0</b>	<b>98311.5</b>	<b>65047.5</b>	<b>443667.0</b>
<b>2016-17</b>	<b>0.0</b>	<b>55356.0</b>	<b>127281.5</b>	<b>54999.0</b>	<b>50095.5</b>	<b>95980.5</b>	<b>383712.5</b>
<b>2015-16</b>	<b>4179.0</b>	<b>126945.0</b>	<b>105525.0</b>	<b>58149.0</b>	<b>36088.5</b>	<b>106207.5</b>	<b>437094.0</b>

**कच्चे माल की खपत**  
**CONSUMPTION OF RAW MATERIALS**

R.M.P.	Unit - Tonne						Table no. 13.4
PERIOD	DOLOMITE LUMP FOR CALCINED DOLO PRODUCTION						Total
	KILN No. 1	KILN No. 2	KILN No. 3	KILN No. 4	KILN No. 5	KILN No. 6	
APR '19	16027.0	0.0	165.0	0.0	4928.0	0.0	21120
MAY	16830.0	0.0	0.0	2178.0	1034.0	0.0	20042
JUN	10791.0	0.0	0.0	4191.0	5280.0	4026.0	24288
<b>1ST QTR.</b>	<b>43648.0</b>	<b>0.0</b>	<b>165.0</b>	<b>6369.0</b>	<b>11242.0</b>	<b>4026.0</b>	<b>65450</b>
JUL	16016.0	0.0	0.0	649.0	2552.0	4829.0	24046
AUG	0.0	0.0	0.0	9064.0	9207.0	121.0	18392
SEP	0.0	0.0	0.0	0.0	17017.0	0.0	17017
<b>2ND QTR.</b>	<b>16016.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9713.0</b>	<b>28776.0</b>	<b>4950.0</b>	<b>59455</b>
OCT	583.0	0.0	0.0	0.0	12606.0	3608.0	16797
NOV	16247.0	0.0	0.0	0.0	0.0	0.0	16247
DEC	17787.0	0.0	0.0	0.0	0.0	0.0	17787
<b>3RD QTR.</b>	<b>34617.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12606.0</b>	<b>3608.0</b>	<b>50831</b>
JAN '20	9999.0	0.0	187.0	0.0	8998.0	3861.0	23045
FEB	0.0	2101.0	0.0	0.0	9515.0	10813.0	22429
MAR	14894.0	4169.0	0.0	0.0	0.0	5060.0	24123
<b>4TH QTR.</b>	<b>24893.0</b>	<b>6270.0</b>	<b>187.0</b>	<b>0.0</b>	<b>18513.0</b>	<b>19734.0</b>	<b>69597</b>
<b>2019-20</b>	<b>119174</b>	<b>6270</b>	<b>352</b>	<b>16082</b>	<b>71137</b>	<b>32318</b>	<b>245333</b>
2018-19	99165	10351	32120	84436	47498	1826	275396
2017-18	132187	27214	25696	7766	33616	26191	252670
2016-17	104489	28325	4279	35574	58366	15114	246147
2015-16	117986	66	14586	19162	52668	17710	222178

क्रुड टार +पी सी एम (सी.टी.एफ)एवं सेवाओं की खपत

CONSUMPTION OF CRUDE TAR + P C M AND SERVICES

R.M.P.	Unit - Tonne							Table no. 13.5			
PERIOD	CONSUMPTION OF CRUDE TAR+PCM (LIME KILN)							CONSUMPTION OF SERVICES			
	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	Total	Water 10 <sup>3</sup> M <sup>3</sup>	Refractory	Electricity (MWH)	Heat Conspn. (10 <sup>6</sup> Kcal)
APR '19	1678.0	1174.6	55.9	503.4	1678.0	1510.2	6600	358	0.0	2142.7	1.811
MAY	1699.9	822.5	0.0	1699.9	767.7	1699.9	6690	366	10.0	2224.8	1.997
JUN	1380.0	900.0	60.0	1800.0	660.0	1800.0	6600	357	553.5	2189.9	2.047
<b>1ST QTR.</b>	<b>4757.9</b>	<b>2897.1</b>	<b>115.9</b>	<b>4003.3</b>	<b>3105.7</b>	<b>5010.1</b>	<b>19890</b>	<b>1081</b>	<b>563.5</b>	<b>6557.4</b>	<b>1.950</b>
JUL	1829.5	122.0	1890.4	1036.7	853.8	1097.7	6830	365	25.1	2456.9	1.968
AUG	0.0	1866.1	602.0	542.0	1866.0	1264.0	6140.1	368	0.0	2169.9	2.234
SEP	0.0	1700.0	0.0	0.0	1700.0	850.0	4250	354	14.7	2057.7	1.650
<b>2ND QTR.</b>	<b>1829.5</b>	<b>3688.1</b>	<b>2492.4</b>	<b>1578.7</b>	<b>4419.8</b>	<b>3211.7</b>	<b>17220.1</b>	<b>1087</b>	<b>39.8</b>	<b>6684.5</b>	<b>1.961</b>
OCT	63.5	1968.4	888.9	0.0	1968.4	1015.9	5905	367	18.9	2237.9	2.073
NOV	2119.2	0.0	1836.6	0.0	2119.2	0.0	6075	346	4.3	2056.0	2.385
DEC	2343.9	0.0	2343.9	0.0	1512.2	0.0	6200	350	556.0	2112.8	2.066
<b>3RD QTR.</b>	<b>4526.6</b>	<b>1968.4</b>	<b>5069.4</b>	<b>0.0</b>	<b>5599.8</b>	<b>1015.9</b>	<b>18180</b>	<b>1063</b>	<b>579.3</b>	<b>6406.7</b>	<b>2.165</b>
JAN '20	1245.5	1799.0	484.3	622.7	2144.9	553.5	6850	356	0.0	2265.6	1.950
FEB	0.0	1907.7	723.6	1907.7	1249.9	921.0	6710	342	7.4	2177.2	2.052
MAR	1840.5	1325.1	1398.8	2061.3	0.0	1104.3	7730	367	2.0	2253.4	2.087
<b>4TH QTR.</b>	<b>3085.9</b>	<b>5031.9</b>	<b>2606.7</b>	<b>4591.8</b>	<b>3394.8</b>	<b>2578.8</b>	<b>21290</b>	<b>1065</b>	<b>9.4</b>	<b>6696.2</b>	<b>2.031</b>
<b>2019-20</b>	<b>14200</b>	<b>13585</b>	<b>10284</b>	<b>10174</b>	<b>16520</b>	<b>11817</b>	<b>76580</b>	<b>4296</b>	<b>1192.0</b>	<b>26344.8</b>	<b>2.021</b>
2018-19	12376	12834	15997	13153	14024	13828	82212	4312	590.5	23721.1	2.023
2017-18	16947	13240	14262	14825	9741	10924	79940	4281	1185.6	22112.5	2.130
2016-17	8510	9185	14285	12170	14635	12465	71250	3987	1391.4	15900.5	2.077
2015-16	12567	16840	6967	7301	10899	14996	69570	4247	3059.0	15186.3	2.205

फर्नेस आयल / कोक भट्टी गैस की खपत  
CONSUMPTION OF FCE. OIL/ C.O. GAS

R.M.P.

Table no. 13.6

PERIOD	FURNACE OIL (KL)							C.O.GAS(10 <sup>3</sup> M <sup>3</sup> )						
	LIME KILN							LIME KILN						
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	Total	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	Total
APR '19	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	292.0	292
MAY	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	798.0	0.0	0.0	0.0	0.0	798
JUN	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	1527.2	101.8	0.0	0.0	0.0	1629
<b>1ST QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>2325.2</b>	<b>101.8</b>	<b>0.0</b>	<b>0.0</b>	<b>292.0</b>	<b>2719</b>
JUL	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	1737.0	0.0	0.0	1737
AUG	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	1640.0	0.0	0.0	1640
SEP	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	822.0	822
<b>2ND QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3377.0</b>	<b>0.0</b>	<b>822.0</b>	<b>4199</b>
OCT	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	644.0	644
NOV	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	506.0	506
DEC	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	530.0	0.0	530
<b>3RD QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>530.0</b>	<b>1150.0</b>	<b>1680</b>
JAN '20	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	397.0	0.0	397.0	794
FEB	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	1360.0	1360
MAR	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	1562.0	1562
<b>4TH QTR.</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>397.0</b>	<b>0.0</b>	<b>3319.0</b>	<b>3716</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2325</b>	<b>102</b>	<b>3774</b>	<b>530</b>	<b>5583</b>	<b>12314</b>
<b>2018-19</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>5</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>2809</b>	<b>5835</b>	<b>2375</b>	<b>6630</b>	<b>17650</b>
<b>2017-18</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>831</b>	<b>2528</b>	<b>3014</b>	<b>1423</b>	<b>10997</b>	<b>2144</b>	<b>20937</b>
<b>2016-17</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>6465</b>	<b>1502</b>	<b>4183</b>	<b>1595</b>	<b>917</b>	<b>4157</b>	<b>18819</b>
<b>2015-16</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>7353</b>	<b>1078</b>	<b>17490</b>	<b>6731</b>	<b>2477</b>	<b>3825</b>	<b>38954</b>

## चूना की लब्धि YIELD OF LIME

R.M.P.	Unit - %												Table no. 13.7(Contd.)
	KILN No. 1			KILN No. 2			KILN No. 3			KILN No. 4			
	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total	SMS Gr.	Lime	Total	
PERIOD	Lime	Dust		Lime	Dust		Lime	Dust		Lime	Dust		
APR '19	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
MAY	-	-	-	47.6	4.8	52.4	-	-	-	47.6	4.8	52.4	
JUN	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
<b>1ST QTR.</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	
JUL	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
AUG	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	-	-	-	
SEP	-	-	-	47.6	4.8	52.4	-	-	-	-	-	-	
<b>2ND QTR.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	
OCT	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	-	-	-	
NOV	-	-	-	-	-	-	47.6	4.8	52.4	-	-	-	
DEC	-	-	-	-	-	-	47.6	4.8	52.4	-	-	-	
<b>3RD QTR.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>-</b>	<b>-</b>	<b>-</b>	
JAN '20	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
FEB	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
MAR	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
<b>4TH QTR.</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	
<b>2019-20</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	
2018-19	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
2017-18	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
2016-17	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	
2015-16	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4	

# चूना की लब्धि YIELD OF LIME

Table no. 13.7(Contd.)

R.M.P.	Unit - %								
	KILN No. 5			KILN No. 6			TOTAL		
	SMS Gr. Lime	Lime Dust	Total	SMS Gr. Lime	Lime Dust	Total	SMS Gr. Lime	Lime Dust	Total
APR '19	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
MAY	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
JUN	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4
<b>1ST QTR.</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
JUL	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
AUG	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
SEP	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4
<b>2ND QTR.</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
OCT	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
NOV	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
DEC	47.6	4.8	52.4	-	-	-	47.6	4.8	52.4
<b>3RD QTR.</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
JAN '20	47.6	4.8	52.4	47.6	4.8	52.4	47.6	4.8	52.4
FEB	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4
MAR	-	-	-	47.6	4.8	52.4	47.6	4.8	52.4
<b>4TH QTR.</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
<b>2019-20</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
<b>2018-19</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
<b>2017-18</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
<b>2016-17</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>
<b>2015-16</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>	<b>47.6</b>	<b>4.8</b>	<b>52.4</b>





निश्चापित डोलोमाइट की लब्धि  
YIELD OF CALCINED DOLOMITE

R.M.P.	Unit - %											Table no. 13.7(Contd.)	
	KILN No. 1			KILN No. 2			KILN No. 3			KILN No. 4			
	PERIOD	+10 mm	-10 mm	Total	+10 mm	-10 mm	Total	+10 mm	-10 mm	Total	+10 mm		-10 mm
APR '19	45.5	4.5	50.0	-	-	-	45.5	4.5	50.0	-	-	-	
MAY	45.5	4.5	50.0	-	-	-	-	-	-	45.5	4.5	50.0	
JUN	45.5	4.5	50.0	-	-	-	-	-	-	45.5	4.5	50.0	
<b>1ST QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	-	-	-	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
JUL	45.5	4.5	50.0	-	-	-	-	-	-	45.5	4.5	50.0	
AUG	-	-	-	-	-	-	-	-	-	45.5	4.5	50.0	
SEP	-	-	-	-	-	-	-	-	-	-	-	-	
<b>2ND QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	-	-	-	-	-	-	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
OCT	45.5	4.5	50.0	-	-	-	-	-	-	-	-	-	
NOV	45.5	4.5	50.0	-	-	-	-	-	-	-	-	-	
DEC	45.5	4.5	50.0	-	-	-	-	-	-	-	-	-	
<b>3RD QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	-	-	-	-	-	-	-	-	-	
JAN '20	45.5	4.5	50.0	-	-	-	45.5	4.5	50.0	-	-	-	
FEB	-	-	-	45.5	4.5	50.0	-	-	-	-	-	-	
MAR	45.5	4.5	50.0	45.5	4.5	50.0	-	-	-	-	-	-	
<b>4TH QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	-	-	-	
<b>2019-20</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
<b>2018-19</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
<b>2017-18</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
<b>2016-17</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
<b>2015-16</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	

**निश्चित डोलोमाइट की लब्धि**  
**YIELD OF CALCINED DOLOMITE**

R.M.P.	Unit - %									Table no. 13.7
	KILN No. 5			KILN No. 6			Total			
	PERIOD	+10 mm	-10 mm	Total	+10 mm	-10 mm	Total	+10 mm	-10 mm	
APR '19	45.5	4.5	50.0	-	-	-	45.5	4.5	50.0	
MAY	45.5	4.5	50.0	-	-	-	45.5	4.5	50.0	
JUN	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
<b>1ST QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
JUL	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
AUG	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
SEP	45.5	4.5	50.0	-	-	-	45.5	4.5	50.0	
<b>2ND QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
OCT	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
NOV	-	-	-	-	-	-	45.5	4.5	50.0	
DEC	-	-	-	-	-	-	45.5	4.5	50.0	
<b>3RD QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
JAN '20	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
FEB	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
MAR	-	-	-	45.5	4.5	50.0	45.5	4.5	50.0	
<b>4TH QTR.</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	<b>45.5</b>	<b>4.5</b>	<b>50.0</b>	
2019-20	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
2018-19	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
2017-18	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
2016-17	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	
2015-16	45.5	4.5	50.0	45.5	4.5	50.0	45.5	4.5	50.0	

किलन प्राप्यता एवं उपयोग  
KILN AVAILABILITY & UTILISATION

Table no. 13.8(Contd.)

R.M.P.	Unit - Hrs.: Mts.									
	KILN No. -1					KILN No. -2				
PERIOD	Calendar Hrs.	Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.	Calendar Hrs.	Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.
APR '19	720:00	720:00	676:00	100.0	93.9	720:00	504:00	486:30	70.0	96.5
MAY	744:00	744:00	689:30	100.0	92.7	744:00	432:00	350:30	58.1	81.1
JUN	720:00	536:00	465:30	74.4	86.8	720:00	720:00	662:30	100.0	92.0
<b>1ST QTR.</b>	<b>2184:00</b>	<b>2000:00</b>	<b>1831:00</b>	<b>91.6</b>	<b>91.6</b>	<b>2184:00</b>	<b>1656:00</b>	<b>1499:30</b>	<b>75.8</b>	<b>90.5</b>
JUL	744:00	720:00	658:30	96.8	91.5	744:00	125:00	61:00	16.8	48.8
AUG	744:00	408:00	00:00	54.8	0.0	744:00	744:00	612:30	100.0	82.3
SEP	720:00	720:00	00:00	100.0	0.0	720:00	720:00	668:30	100.0	92.8
<b>2ND QTR.</b>	<b>2208:00</b>	<b>1848:00</b>	<b>658:30</b>	<b>83.7</b>	<b>35.6</b>	<b>2208:00</b>	<b>1589:00</b>	<b>1342:00</b>	<b>72.0</b>	<b>84.5</b>
OCT	744:00	485:00	24:00	65.2	4.9	744:00	728:00	660:00	97.8	90.7
NOV	720:00	720:00	667:30	100.0	92.7	720:00	312:00	00:00	43.3	0.0
DEC	744:00	744:00	734:00	100.0	98.7	744:00	744:00	00:00	100.0	0.0
<b>3RD QTR.</b>	<b>2208:00</b>	<b>1949:00</b>	<b>1425:30</b>	<b>88.3</b>	<b>73.1</b>	<b>2208:00</b>	<b>1784:00</b>	<b>660:00</b>	<b>80.8</b>	<b>37.0</b>
JAN '20	744:00	416:00	404:30	55.9	97.2	744:00	741:00	610:00	99.6	82.3
FEB	696:00	384:00	00:00	55.2	0.0	696:00	696:00	686:00	100.0	98.6
MAR	744:00	667:00	618:30	89.7	92.7	744:00	432:00	425:00	58.1	98.4
<b>4TH QTR.</b>	<b>2184:00</b>	<b>1467:00</b>	<b>1023:00</b>	<b>67.2</b>	<b>69.7</b>	<b>2184:00</b>	<b>1869:00</b>	<b>1721:00</b>	<b>85.6</b>	<b>92.1</b>
<b>2019-20</b>	<b>8784:00</b>	<b>7264:00</b>	<b>4938:00</b>	<b>82.7</b>	<b>68.0</b>	<b>8784:00</b>	<b>6898:00</b>	<b>5222:30</b>	<b>78.5</b>	<b>75.7</b>
2018-19	8760:00	6180:30	4260:30	70.6	68.9	8760:00	6952:30	4962:30	79.4	71.4
2017-18	8760:00	7518:30	5550:00	85.8	73.8	8760:00	7475:30	4817:33	85.3	64.4
2016-17	8760:00	7404:00	4372:30	84.5	59.1	8760:00	5800:30	3645:30	66.2	62.8
2015-16	8784:00	6609:00	5214:00	75.2	78.9	8784:00	7460:30	5573:30	84.9	74.7

**किलन प्राप्यता एवं उपयोग**  
**KILN AVAILABILITY & UTILISATION**

R.M.P.	Unit - Hrs. : Mts.										Table no. 13.8(Contd.)
	KILN No. -3					KILN No. -4					
PERIOD	Calendar Hrs.	Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.	Calendar Hrs.	Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.	
APR '19	720:00	20:00	20:00	2.8	100.0	720:00	720:00	187:30	100.0	26.0	
MAY	744:00	00:00	00:00	0.0	-	744:00	744:00	627:00	100.0	84.3	
JUN	720:00	08:00	08:00	1.1	100.0	720:00	720:00	613:30	100.0	85.2	
<b>1ST QTR.</b>	<b>2184:00</b>	<b>28:00</b>	<b>28:00</b>	<b>1.3</b>	<b>100.0</b>	<b>2184:00</b>	<b>2184:00</b>	<b>1428:00</b>	<b>100.0</b>	<b>65.4</b>	
JUL	744:00	744:00	713:00	100.0	95.8	744:00	744:00	714:30	100.0	96.0	
AUG	744:00	232:00	214:00	31.2	92.2	744:00	629:30	404:30	84.6	64.3	
SEP	720:00	384:00	00:00	53.3	0.0	720:00	00:00	00:00	0.0	-	
<b>2ND QTR.</b>	<b>2208:00</b>	<b>1360:00</b>	<b>927:00</b>	<b>61.6</b>	<b>68.2</b>	<b>2208:00</b>	<b>1373:30</b>	<b>1119:00</b>	<b>62.2</b>	<b>81.5</b>	
OCT	744:00	521:30	267:30	70.1	51.3	744:00	00:00	00:00	0.0	-	
NOV	720:00	697:00	557:00	96.8	79.9	720:00	00:00	00:00	0.0	-	
DEC	744:00	744:00	737:30	100.0	99.1	744:00	504:00	00:00	67.7	0.0	
<b>3RD QTR.</b>	<b>2208:00</b>	<b>1962:30</b>	<b>1562:00</b>	<b>88.9</b>	<b>79.6</b>	<b>2208:00</b>	<b>504:00</b>	<b>00:00</b>	<b>22.8</b>	<b>0.0</b>	
JAN '20	744:00	368:00	152:00	49.5	41.3	744:00	712:00	385:30	95.7	54.1	
FEB	696:00	671:30	236:00	96.5	35.1	696:00	696:00	628:00	100.0	90.2	
MAR	744:00	441:00	438:30	59.3	99.4	744:00	667:30	663:30	89.7	99.4	
<b>4TH QTR.</b>	<b>2184:00</b>	<b>1480:30</b>	<b>826:30</b>	<b>67.8</b>	<b>55.8</b>	<b>2184:00</b>	<b>2075:30</b>	<b>1677:00</b>	<b>95.0</b>	<b>80.8</b>	
<b>2019-20</b>	<b>8784:00</b>	<b>4831:00</b>	<b>3343:30</b>	<b>55.0</b>	<b>69.2</b>	<b>8784:00</b>	<b>6137:00</b>	<b>4224:00</b>	<b>69.9</b>	<b>68.8</b>	
2018-19	8760:00	7831:30	6284:30	89.4	80.2	8760:00	7859:30	5990:30	89.7	76.2	
2017-18	8760:00	7342:00	5172:12	83.8	70.4	8760:00	7792:30	4829:51	89.0	62.0	
2016-17	8760:00	6825:30	5715:00	77.9	83.7	8760:00	7896:00	3947:30	90.1	50.0	
2015-16	8784:00	6859:00	5252:30	78.1	76.6	8784:00	5945:30	3433:30	67.7	57.7	

# किलन प्राप्यता एवं उपयोग

## KILN AVAILABILITY & UTILISATION

R.M.P.	Unit - Hrs. : Mts.										Table no. 13.8(Contd.)
	PERIOD	KILN No. -5					KILN No. -6				
Calendar Hrs.		Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.	Calendar Hrs.	Available Hrs.	Working Hrs.	Availability Against Cal.Hrs.(%)	Utilisation Against Avl.Hrs.	
APR '19	720:00	720:00	689:00	100.0	95.7	720:00	720:00	617:00	100.0	85.7	
MAY	744:00	424:00	279:30	57.0	65.9	744:00	744:00	587:00	100.0	78.9	
JUN	720:00	600:00	220:30	83.3	36.8	720:00	720:00	608:30	100.0	84.5	
<b>1ST QTR.</b>	<b>2184:00</b>	<b>1744:00</b>	<b>1189:00</b>	<b>79.9</b>	<b>68.2</b>	<b>2184:00</b>	<b>2184:00</b>	<b>1812:30</b>	<b>100.0</b>	<b>83.0</b>	
JUL	744:00	480:00	300:00	64.5	62.5	744:00	432:00	352:30	58.1	81.6	
AUG	744:00	744:00	585:30	100.0	78.7	744:00	502:00	429:30	67.5	85.6	
SEP	720:00	720:00	692:30	100.0	96.2	720:00	720:00	627:30	100.0	87.2	
<b>2ND QTR.</b>	<b>2208:00</b>	<b>1944:00</b>	<b>1578:00</b>	<b>88.0</b>	<b>81.2</b>	<b>2208:00</b>	<b>1654:00</b>	<b>1409:30</b>	<b>74.9</b>	<b>85.2</b>	
OCT	744:00	744:00	570:00	100.0	76.6	744:00	744:00	618:00	100.0	83.1	
NOV	720:00	720:00	547:00	100.0	76.0	720:00	120:00	96:00	16.7	80.0	
DEC	744:00	744:00	722:00	100.0	97.0	744:00	00:00	00:00	0.0	-	
<b>3RD QTR.</b>	<b>2208:00</b>	<b>2208:00</b>	<b>1839:00</b>	<b>100.0</b>	<b>83.3</b>	<b>2208:00</b>	<b>864:00</b>	<b>714:00</b>	<b>39.1</b>	<b>82.6</b>	
JAN '20	744:00	744:00	715:30	100.0	96.2	744:00	720:00	350:30	96.8	48.7	
FEB	696:00	456:00	388:30	65.5	85.2	696:00	696:00	590:30	100.0	84.8	
MAR	744:00	00:00	00:00	0.0	-	744:00	744:00	731:00	100.0	98.3	
<b>4TH QTR.</b>	<b>2184:00</b>	<b>1200:00</b>	<b>1104:00</b>	<b>54.9</b>	<b>92.0</b>	<b>2184:00</b>	<b>2160:00</b>	<b>1672:00</b>	<b>98.9</b>	<b>77.4</b>	
<b>2019-20</b>	<b>8784:00</b>	<b>7096:00</b>	<b>5710:00</b>	<b>80.8</b>	<b>80.5</b>	<b>8784:00</b>	<b>6862:00</b>	<b>5608:00</b>	<b>78.1</b>	<b>81.7</b>	
2018-19	8760:00	8240:30	5204:45	94.1	63.2	8760:00	7036:00	5827:30	80.3	82.8	
2017-18	8760:00	7314:30	5727:36	83.5	78.3	8760:00	5970:30	3975:30	68.2	66.6	
2016-17	8760:00	6312:00	4676:30	72.1	74.1	8760:00	7260:00	4844:30	82.9	66.7	
2015-16	8784:00	6529:00	3759:30	74.3	57.6	8784:00	7618:30	5353:30	86.7	70.3	

**किलन प्राप्यता एवं उपयोग**  
**KILN AVAILABILITY & UTILISATION**

R.M.P.	Unit - Hrs. : Mts.					Table no. 13.8	
	PERIOD	Calendar Hrs.	Available Hrs.	Working Hrs.	TOTAL		Availability Against Cal.Hrs.(%)
APR '19	4320:00	3404:00	2676:00			78.8	78.6
MAY	4464:00	3088:00	2533:30			69.2	82.0
JUN	4320:00	3304:00	2578:30			76.5	78.0
<b>1ST QTR.</b>	<b>13104:00</b>	<b>9796:00</b>	<b>7788:00</b>			<b>74.8</b>	<b>79.5</b>
JUL	4464:00	3245:00	2799:30			72.7	86.3
AUG	4464:00	3259:30	2246:00			73.0	68.9
SEP	4320:00	3264:00	1988:30			75.6	60.9
<b>2ND QTR.</b>	<b>13248:00</b>	<b>9768:30</b>	<b>7034:00</b>			<b>73.7</b>	<b>72.0</b>
OCT	4464:00	3222:30	2139:30			72.2	66.4
NOV	4320:00	2569:00	1867:30			59.5	72.7
DEC	4464:00	3480:00	2193:30			78.0	63.0
<b>3RD QTR.</b>	<b>13248:00</b>	<b>9271:30</b>	<b>6200:30</b>			<b>70.0</b>	<b>66.9</b>
JAN '20	4464:00	3701:00	2618:00			82.9	70.7
FEB	4176:00	3599:30	2529:00			86.2	70.3
MAR	4464:00	2951:30	2876:30			66.1	97.5
<b>4TH QTR.</b>	<b>13104:00</b>	<b>10252:00</b>	<b>8023:30</b>			<b>78.2</b>	<b>78.3</b>
<b>2019-20</b>	<b>52704:00</b>	<b>39088:00</b>	<b>29046:00</b>			<b>74.2</b>	<b>74.3</b>
2018-19	52560:00	44100:30	32530:15			83.9	73.8
2017-18	52560:00	43413:30	30072:42			82.6	69.3
2016-17	52560:00	41498:00	27201:30			79.0	65.5
2015-16	52704:00	41021:30	28586:30			77.8	69.7

रिफ्रेक्टरी की खपत  
CONSUMPTION OF REFRACTORIES

R.E.D. PERIOD	Unit - Tonne																Table no. 14.1(Contd.)	
	COKE OVENS (Oprn)	SINTER PLANT (RED)	BLAST FURNACE			SMS COMPLEX						HRM COMPLEX						
			(RED)	(Oprn)	Total	SMS-I			SMS-II			CCS			SI.Mill (RED)	HSM (RED)		
						(RED)	(Oprn)	Total	(RED)	(Oprn)	Total	(RED)	(Oprn)	Total				
APR '19	104.0	34.0	107.4	565.0	672.4	224.7	0.0	224.7	641.6	0.0	641.6	402.4	21.7	424.1	507.6	7.0		
MAY	135.5	0.0	243.7	1034.1	1277.9	308.5	89.2	397.6	2005.2	87.9	2093.1	407.3	381.9	789.2	298.9	45.0		
JUN	28.2	0.0	96.2	115.1	211.3	650.6	0.0	650.6	1215.6	24.7	1240.3	378.5	239.1	617.6	259.3	10.3		
<b>1ST QTR.</b>	<b>267.6</b>	<b>34.0</b>	<b>447.3</b>	<b>1714.2</b>	<b>2161.5</b>	<b>1183.8</b>	<b>89.2</b>	<b>1272.9</b>	<b>3862.4</b>	<b>112.6</b>	<b>3975.0</b>	<b>1188.2</b>	<b>642.7</b>	<b>1830.9</b>	<b>1065.7</b>	<b>62.3</b>		
JUL	82.9	0.0	156.3	963.8	1120.1	662.2	43.8	706.1	1163.8	11.4	1175.3	442.2	152.9	595.1	238.3	45.1		
AUG	35.1	9.7	192.1	742.0	934.1	250.3	0.0	250.3	1697.4	76.7	1774.1	429.9	42.1	472.0	190.4	0.0		
SEP	142.7	40.1	155.1	144.0	299.1	95.3	0.0	95.3	821.5	43.7	865.2	349.1	194.6	543.7	257.2	49.8		
<b>2ND QTR.</b>	<b>260.7</b>	<b>49.8</b>	<b>503.5</b>	<b>1849.8</b>	<b>2353.3</b>	<b>1007.8</b>	<b>43.8</b>	<b>1051.6</b>	<b>3682.8</b>	<b>131.8</b>	<b>3814.6</b>	<b>1221.2</b>	<b>389.6</b>	<b>1610.8</b>	<b>685.9</b>	<b>94.9</b>		
OCT	104.9	0.0	346.1	991.0	1337.1	200.6	44.0	244.6	1924.2	29.5	1953.8	400.3	236.1	636.4	118.0	10.5		
NOV	68.8	0.0	396.4	707.1	1103.5	12.3	11.5	23.8	843.2	57.5	900.6	364.9	83.1	448.0	136.4	15.2		
DEC	139.0	0.0	143.8	202.0	345.8	258.2	0.0	258.2	772.7	59.7	832.4	410.1	65.5	475.7	43.1	45.0		
<b>3RD QTR.</b>	<b>312.6</b>	<b>0.0</b>	<b>886.3</b>	<b>1900.1</b>	<b>2786.4</b>	<b>471.1</b>	<b>55.5</b>	<b>526.6</b>	<b>3540.1</b>	<b>146.7</b>	<b>3686.8</b>	<b>1175.3</b>	<b>384.7</b>	<b>1560.0</b>	<b>297.5</b>	<b>70.7</b>		
JAN '20	97.3	0.0	175.9	792.0	967.9	417.5	0.0	417.5	877.2	37.6	914.8	395.3	109.1	504.4	49.5	92.8		
FEB	159.0	0.0	158.7	832.7	991.4	111.3	0.0	111.3	965.5	50.6	1016.1	443.1	203.3	646.4	44.1	99.3		
MAR	56.2	0.0	174.8	899.6	1074.4	143.8	0.0	143.8	888.9	59.1	948.0	375.3	142.9	518.2	38.0	198.8		
<b>4TH QTR.</b>	<b>312.6</b>	<b>0.0</b>	<b>509.4</b>	<b>2524.3</b>	<b>3033.7</b>	<b>672.6</b>	<b>0.0</b>	<b>672.6</b>	<b>2731.5</b>	<b>147.4</b>	<b>2878.9</b>	<b>1213.7</b>	<b>455.3</b>	<b>1669.0</b>	<b>131.6</b>	<b>390.8</b>		
<b>2019-20</b>	<b>1153.5</b>	<b>83.8</b>	<b>2346.5</b>	<b>7988.4</b>	<b>10334.9</b>	<b>3335.3</b>	<b>188.5</b>	<b>3523.8</b>	<b>13816.8</b>	<b>538.4</b>	<b>14355.2</b>	<b>4798.5</b>	<b>1872.2</b>	<b>6670.7</b>	<b>2180.7</b>	<b>618.8</b>		
2018-19	1091.0	161.6	1709.3	8631.7	10341.0	3852.6	138.8	3991.4	15372.4	783.1	16155.5	5166.9	1228.0	6394.9	1819.4	639.7		
2017-18	1155.3	77.0	1421.1	7196.1	8617.2	3209.2	180.4	3389.6	15815.0	599.8	16414.7	4708.7	1537.6	6246.3	1238.3	841.3		
2016-17	1219.5	217.4	2158.6	6688.7	8847.2	2389.0	96.2	2485.2	12741.6	751.8	13493.4	4279.9	1343.9	5623.8	1270.7	1053.4		
2015-16	1266.7	177.3	1965.4	7703.5	9668.9	4100.0	470.2	4570.2	11642.8	760.4	12403.2	4009.7	1130.0	5139.7	2494.8	1947.6		

# रिफ्रेक्टरी की खपत

## CONSUMPTION OF REFRACTORIES

REF. ENGG. DEPTT.		Unit - Tonne													Table no. 14.1
PERIOD	CRM I/II (RED)	RMP			Fdy. & Aux.			CED & Others (Oprn)	GRAND TOTAL (Incl.Por. Ref.)	Pouring Refractories (by Oprn)					Overall Ref.Cons./T of Crude Steel (Kg)
		(RED)	(Oprn)	Total	(RED)	(Oprn)	Total			SMS-I	SMS-II	CCS	Foun- dries	Total	
APR '19	44.7	0.0	0.0	0.0	56.2	122.4	178.6	1.0	2839.6	0.0	0.0	0.7	64.5	65.2	8.67
MAY	5.0	10.0	0.0	10.0	89.3	95.9	185.2	0.0	5237.4	26.5	18.9	355.9	11.8	413.0	16.75
JUN	36.5	553.5	0.0	553.5	46.9	50.6	97.6	0.0	3705.0	0.0	15.7	153.0	8.8	177.5	11.66
<b>1ST QTR.</b>	<b>86.1</b>	<b>563.5</b>	<b>0.0</b>	<b>563.5</b>	<b>192.4</b>	<b>269.0</b>	<b>461.3</b>	<b>1.0</b>	<b>11781.9</b>	<b>26.5</b>	<b>34.6</b>	<b>509.7</b>	<b>85.1</b>	<b>655.7</b>	<b>12.30</b>
JUL	11.4	25.1	0.0	25.1	47.1	41.2	88.3	0.0	4087.7	13.5	3.4	80.8	6.7	104.5	12.28
AUG	31.7	0.0	0.0	0.0	15.5	55.4	70.8	0.0	3768.1	0.0	24.7	42.1	17.3	84.1	13.33
SEP	72.2	14.7	0.0	14.7	58.6	36.2	94.9	0.0	2474.8	0.0	11.7	129.6	3.5	144.8	8.88
<b>2ND QTR.</b>	<b>115.3</b>	<b>39.8</b>	<b>0.0</b>	<b>39.8</b>	<b>121.2</b>	<b>132.8</b>	<b>254.0</b>	<b>0.0</b>	<b>10330.6</b>	<b>13.5</b>	<b>39.8</b>	<b>252.5</b>	<b>27.5</b>	<b>333.4</b>	<b>11.55</b>
OCT	68.6	18.9	0.0	18.9	55.8	45.1	100.9	0.0	4593.7	12.0	8.0	165.1	9.1	194.2	16.07
NOV	58.1	4.3	0.0	4.3	54.3	19.0	73.3	0.0	2832.0	1.3	12.1	64.1	18.8	96.3	10.34
DEC	6.6	556.0	0.0	556.0	71.1	10.9	82.0	7.7	2791.4	0.0	4.0	21.5	0.0	25.5	9.59
<b>3RD QTR.</b>	<b>133.4</b>	<b>579.3</b>	<b>0.0</b>	<b>579.3</b>	<b>181.1</b>	<b>75.0</b>	<b>256.1</b>	<b>7.7</b>	<b>10217.1</b>	<b>13.3</b>	<b>24.1</b>	<b>250.7</b>	<b>27.9</b>	<b>316.0</b>	<b>12.01</b>
JAN '20	9.6	0.0	0.0	0.0	26.8	13.2	40.0	0.0	3093.9	0.0	15.6	69.1	9.2	93.9	9.63
FEB	12.8	7.4	0.0	7.4	46.2	20.0	66.2	0.0	3154.0	0.0	23.6	153.3	2.5	179.4	9.86
MAR	51.3	2.0	0.0	2.0	33.9	80.2	114.0	5.0	3149.6	0.0	8.0	52.6	9.7	70.4	9.74
<b>4TH QTR.</b>	<b>73.7</b>	<b>9.4</b>	<b>0.0</b>	<b>9.4</b>	<b>106.8</b>	<b>113.4</b>	<b>220.2</b>	<b>5.0</b>	<b>9397.5</b>	<b>0.0</b>	<b>47.3</b>	<b>275.0</b>	<b>21.4</b>	<b>343.7</b>	<b>9.74</b>
<b>2019-20</b>	<b>408.5</b>	<b>1192.0</b>	<b>0.0</b>	<b>1192.0</b>	<b>601.5</b>	<b>590.2</b>	<b>1191.7</b>	<b>13.7</b>	<b>41727.1</b>	<b>53.3</b>	<b>145.7</b>	<b>1287.9</b>	<b>161.9</b>	<b>1648.8</b>	<b>11.38</b>
<b>2018-19</b>	<b>379.6</b>	<b>590.5</b>	<b>0.0</b>	<b>590.5</b>	<b>486.5</b>	<b>492.3</b>	<b>978.8</b>	<b>3.3</b>	<b>42546.6</b>	<b>39.3</b>	<b>356.5</b>	<b>675.8</b>	<b>62.7</b>	<b>1134.3</b>	<b>11.10</b>
<b>2017-18</b>	<b>352.6</b>	<b>1185.6</b>	<b>0.0</b>	<b>1185.6</b>	<b>485.9</b>	<b>488.8</b>	<b>974.7</b>	<b>7.0</b>	<b>40499.6</b>	<b>69.6</b>	<b>201.4</b>	<b>1023.6</b>	<b>83.2</b>	<b>1377.9</b>	<b>10.96</b>
<b>2016-17</b>	<b>381.3</b>	<b>1391.4</b>	<b>0.0</b>	<b>1391.4</b>	<b>616.8</b>	<b>550.1</b>	<b>1166.9</b>	<b>13.0</b>	<b>37163.1</b>	<b>36.9</b>	<b>252.6</b>	<b>878.9</b>	<b>83.2</b>	<b>1251.6</b>	<b>11.78</b>
<b>2015-16</b>	<b>587.4</b>	<b>2987.6</b>	<b>71.5</b>	<b>3059.0</b>	<b>629.0</b>	<b>625.8</b>	<b>1254.7</b>	<b>1.0</b>	<b>42570.6</b>	<b>119.7</b>	<b>313.4</b>	<b>649.2</b>	<b>250.3</b>	<b>1332.7</b>	<b>12.55</b>



**ENGINEERING SHOPS**

उत्पादन सारांश  
PRODUCTION SUMMARY

MECH. SHOPS & FOUNDRIES			Unit - Tonne										Table No.15.1			
PERIOD	STRUCTURAL SHOP	MACHINE SHOP	FORGE SHOP	I.C. FOUNDRY			STEEL FDY.	INGOT MOULD FOUNDRY					IRON COPPER FOUNDRY			
	Structurals	(Man M/C Hrs.)		N.F. Fdy.	C.I. Fdy.	Total		Ingot Mould		Bottom Plate		Slag	Bottom Plate		Chill Plate	
								Nos.	Tons	Nos.	Tons	Cups	Nos.	Tons	Nos.	Tons
APR '19	729	29899	307	27.17	532.32	559.48	261	70	1879	100	1136	6	47	470	0	0
MAY	751	31656	243	27.65	590.87	618.52	266	40	1022	94	1064	3	52	520	0	0
JUN	732	31769	301	18.98	562.82	581.80	269	40	1075	75	834	3	49	490	0	0
<b>1ST QTR.</b>	<b>2212</b>	<b>93324</b>	<b>851</b>	<b>73.80</b>	<b>1686.01</b>	<b>1759.80</b>	<b>796</b>	<b>150</b>	<b>3976</b>	<b>269</b>	<b>3034</b>	<b>12</b>	<b>148</b>	<b>1480</b>	<b>0</b>	<b>0</b>
JUL	740	31779	215	26.82	486.11	512.93	277	50	1343	83	937	2	41	410	2	18
AUG	727	31802	248	29.42	621.99	651.41	270	60	1584	110	1240	6	55	550	0	0
SEP	729	31852	180	21.18	325.80	346.98	248	55	1472	105	1158	3	29	290	0	0
<b>2ND QTR.</b>	<b>2196</b>	<b>95433</b>	<b>643</b>	<b>77.42</b>	<b>1433.90</b>	<b>1511.32</b>	<b>795</b>	<b>165</b>	<b>4399</b>	<b>298</b>	<b>3335</b>	<b>11</b>	<b>125</b>	<b>1250</b>	<b>2</b>	<b>18</b>
OCT	731	31858	198	9.81	297.89	307.70	264	60	1601	116	1276	3	27	270	0	0
NOV	723	31866	248	16.17	538.40	554.57	272	45	1226	83	913	3	52	520	0	0
DEC	722	31875	215	17.12	543.54	560.66	256	35	922	46	506	0	51	510	0	0
<b>3RD QTR.</b>	<b>2176</b>	<b>95599</b>	<b>661</b>	<b>43.10</b>	<b>1379.83</b>	<b>1422.93</b>	<b>792</b>	<b>140</b>	<b>3749</b>	<b>245</b>	<b>2695</b>	<b>6</b>	<b>130</b>	<b>1300</b>	<b>0</b>	<b>0</b>
JAN '20	721	31882	228	18.11	559.89	578.00	255	50	1324	92	1012	6	53	530	0	0
FEB	731	31889	301	15.21	295.85	311.06	250	35	879	75	825	3	24	240	0	0
MAR	730	31890	245	22.80	124.88	147.68	228	30	816	55	605	6	11	110	0	0
<b>4TH QTR.</b>	<b>2182</b>	<b>95661</b>	<b>774</b>	<b>56.12</b>	<b>980.62</b>	<b>1036.74</b>	<b>733</b>	<b>115</b>	<b>3019</b>	<b>222</b>	<b>2442</b>	<b>15</b>	<b>88</b>	<b>880</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>8766</b>	<b>380017</b>	<b>2929</b>	<b>250.44</b>	<b>5480.35</b>	<b>5730.78</b>	<b>3116</b>	<b>570</b>	<b>15143</b>	<b>1034</b>	<b>11506</b>	<b>44</b>	<b>491</b>	<b>4910</b>	<b>2</b>	<b>18</b>
2018-19	8716	309157	3186	277.97	6050.45	6328.42	2965	504	13502	1169	13189	51	523	5230	22	198
2017-18	8688	319659	2588	348.75	6263.72	6612.47	3367	528	13887	1196	13489	39	567	5670	0	0
2016-17	8710	318801	2802	310.95	6992.59	7303.53	4858	324	8552	490	5531	52	586	5860	41	369
2015-16	9062	318279	3297	338.87	7490.88	7829.76	5005	865	22434	1640	18634	42	597	5970	54	501

उत्पादन एवं खपत  
PRODUCTION & CONSUMPTION

STEEL FOUNDRY		Unit - Tonne											Table No.15.2 (contd)	
PERIOD	Prodn.	Consumption of Materials												
		Steel Scrap	Fe-Mn (HC)	Fe-Si	Fe-Cr	Fe-Mo	Al Bar/ Shots	Hard Coke	Lime Stone	Lime	Silica Sand	APC Powder	Sodium Silicate	
APR '19	261	220.0	1.24	1.65	0.67	0.05	0.27	1.13	5.88	8.07	200.00	0.45	20.00	
MAY	266	238.0	1.36	1.87	0.39	0.03	0.30	1.24	6.20	8.88	200.00	0.48	20.00	
JUN	269	294.5	1.72	2.31	0.51	0.02	0.38	1.44	8.06	11.47	200.00	0.50	20.00	
<b>1ST QTR.</b>	<b>796</b>	<b>752.5</b>	<b>4.32</b>	<b>5.83</b>	<b>1.57</b>	<b>0.10</b>	<b>0.95</b>	<b>3.81</b>	<b>20.14</b>	<b>28.42</b>	<b>600.00</b>	<b>1.43</b>	<b>60.00</b>	
JUL	277	265.0	1.73	2.10	0.06	0.04	0.32	1.62	6.73	9.00	200.00	0.50	20.00	
AUG	270	282.0	1.52	3.78	0.52	0.02	0.40	1.35	7.48	10.21	200.00	0.45	20.00	
SEP	248	224.0	1.16	3.11	0.36	0.03	0.28	1.09	5.82	8.21	180.00	0.45	20.00	
<b>2ND QTR.</b>	<b>795</b>	<b>771.0</b>	<b>4.41</b>	<b>8.99</b>	<b>0.94</b>	<b>0.09</b>	<b>1.00</b>	<b>4.06</b>	<b>20.03</b>	<b>27.42</b>	<b>580.00</b>	<b>1.40</b>	<b>60.00</b>	
OCT	264	253.0	1.31	3.39	0.45	0.03	0.32	1.24	7.07	10.04	160.00	0.40	17.00	
NOV	272	253.0	1.31	3.39	0.45	0.03	0.32	1.24	7.07	10.04	160.00	0.40	17.00	
DEC	256	124.0	0.75	1.85	0.04	0.00	0.16	0.70	3.22	4.75	100.00	0.20	0.00	
<b>3RD QTR.</b>	<b>792</b>	<b>630.0</b>	<b>3.37</b>	<b>8.63</b>	<b>0.94</b>	<b>0.05</b>	<b>0.80</b>	<b>3.18</b>	<b>17.36</b>	<b>24.83</b>	<b>420.00</b>	<b>1.00</b>	<b>34.00</b>	
JAN '20	255	203.0	1.26	3.10	0.27	0.03	0.26	1.12	5.96	8.00	180.00	0.40	15.00	
FEB	250	255.5	1.32	3.35	0.52	0.03	0.33	1.25	7.10	10.05	180.00	0.46	18.00	
MAR	228	255.5	1.32	3.35	0.52	0.03	0.33	1.25	7.10	10.05	180.00	0.46	18.00	
<b>4TH QTR.</b>	<b>733</b>	<b>714.0</b>	<b>3.90</b>	<b>9.80</b>	<b>1.31</b>	<b>0.09</b>	<b>0.91</b>	<b>3.62</b>	<b>20.16</b>	<b>28.10</b>	<b>540.00</b>	<b>1.32</b>	<b>51.00</b>	
<b>2019-20</b>	<b>3116</b>	<b>2867.5</b>	<b>16.00</b>	<b>33.25</b>	<b>4.76</b>	<b>0.32</b>	<b>3.66</b>	<b>14.67</b>	<b>77.69</b>	<b>108.77</b>	<b>2140</b>	<b>5.15</b>	<b>205.0</b>	
2018-19	2965	3336.9	16.19	28.47	7.17	0.57	4.52	17.49	90.81	124.59	2265	4.89	240.0	
2017-18	3367	3339.7	20.75	29.60	9.19	0.97	4.78	22.13	84.90	108.28	2081	7.73	229.0	
2016-17	4858	4670.5	27.77	46.43	13.77	0.21	3.42	26.86	117.81	156.43	3540	11.00	225.0	
2015-16	5005	5159.0	34.97	49.78	11.52	0.48	3.49	28.99	130.47	175.14	4100	9.30	200.0	

## उत्पादन PRODUCTION

## INGOT MOULD FOUNDRY

Table No.15.2 (contd)

PERIOD	Typewise Production of Ingot Mould										Typewise Production of Bottom Plate					
	17 t		20 t		25 t		28.2 t		Total		11 t		14 t		Total	
	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne
APR '19	5	95	18	468	47	1316	0	0	70	1879	88	968	12	168	100	1136
MAY	8	152	13	338	19	532	0	0	40	1022	84	924	10	140	94	1064
JUN	3	57	9	234	28	784	0	0	40	1075	72	792	3	42	75	834
<b>1ST QTR.</b>	<b>16</b>	<b>304</b>	<b>40</b>	<b>1040</b>	<b>94</b>	<b>2632</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>3976</b>	<b>244</b>	<b>2684</b>	<b>25</b>	<b>350</b>	<b>269</b>	<b>3034</b>
JUL	3	57	15	390	32	896	0	0	50	1343	75	825	8	112	83	937
AUG	8	152	12	312	40	1120	0	0	60	1584	100	1100	10	140	110	1240
SEP	4	76	16	416	35	980	0	0	55	1472	104	1144	1	14	105	1158
<b>2ND QTR.</b>	<b>15</b>	<b>285</b>	<b>43</b>	<b>1118</b>	<b>107</b>	<b>2996</b>	<b>0</b>	<b>0</b>	<b>165</b>	<b>4399</b>	<b>279</b>	<b>3069</b>	<b>19</b>	<b>266</b>	<b>298</b>	<b>3335</b>
OCT	5	95	17	442	38	1064	0	0	60	1601	116	1276	0	0	116	1276
NOV	0	0	17	442	28	784	0	0	45	1226	83	913	0	0	83	913
DEC	4	76	11	286	20	560	0	0	35	922	46	506	0	0	46	506
<b>3RD QTR.</b>	<b>9</b>	<b>171</b>	<b>45</b>	<b>1170</b>	<b>86</b>	<b>2408</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>3749</b>	<b>245</b>	<b>2695</b>	<b>0</b>	<b>0</b>	<b>245</b>	<b>2695</b>
JAN '20	6	114	11	286	33	924	0	0	50	1324	92	1012	0	0	92	1012
FEB	9	171	10	260	16	448	0	0	35	879	75	825	0	0	75	825
MAR	0	0	12	312	18	504	0	0	30	816	55	605	0	0	55	605
<b>4TH QTR.</b>	<b>15</b>	<b>285</b>	<b>33</b>	<b>858</b>	<b>67</b>	<b>1876</b>	<b>0</b>	<b>0</b>	<b>115</b>	<b>3019</b>	<b>222</b>	<b>2442</b>	<b>0</b>	<b>0</b>	<b>222</b>	<b>2442</b>
<b>2019-20</b>	<b>55</b>	<b>1045</b>	<b>161</b>	<b>4186</b>	<b>354</b>	<b>9912</b>	<b>0</b>	<b>0</b>	<b>570</b>	<b>15143</b>	<b>990</b>	<b>10890</b>	<b>44</b>	<b>616</b>	<b>1034</b>	<b>11506</b>
2018-19	32	608	161	4186	311	8708	0	0	504	13502	1059	11649	110	1540	1169	13189
2017-18	49	931	228	5928	251	7028	0	0	528	13887	1085	11935	111	1554	1196	13489
2016-17	32	608	120	3120	170	4760	2	64	324	8552	443	4873	47	658	490	5531
2015-16	150	2850	296	7696	380	10640	39	1248	865	22434	1442	15862	198	2772	1640	18634

उत्पादन एवं खपत  
PRODUCTION & CONSUMPTION

Table No.15.2 (contd)

INGOT MOULD FOUNDRY									
Unit - Tonne									
PERIOD	Scrap Generation at I M F	Consumption of Materials for Ingot Mould & Bottom Plate			Prod. of Slag Cup (Nos.)	Consumption of Materials for Slag Cup Production			
		Hot Metal	High Silica Sand	Bentonite		Liquid Steel	Sodium Silicate	High Silica Sand	
APR '19	1151	3711	287	159	6	240	30	420	
MAY	1202	3623	325	167	3	120	15	210	
JUN	637	2333	266	108	3	120	15	210	
<b>1ST QTR.</b>	<b>2990</b>	<b>9667</b>	<b>877</b>	<b>434</b>	<b>12</b>	<b>480</b>	<b>60</b>	<b>840</b>	
JUL	829	3079	338	193	2	120	15	210	
AUG	1197	4079	247	189	6	240	30	420	
SEP	954	3638	136	240	3	120	15	210	
<b>2ND QTR.</b>	<b>2980</b>	<b>10796</b>	<b>721</b>	<b>621</b>	<b>11</b>	<b>480</b>	<b>60</b>	<b>840</b>	
OCT	1029	3660	181	200	3	120	15	210	
NOV	755	2883	435	218	3	120	15	210	
DEC	559	2120	708	173	0	0	0	0	
<b>3RD QTR.</b>	<b>2343</b>	<b>8663</b>	<b>1324</b>	<b>591</b>	<b>6</b>	<b>240</b>	<b>30</b>	<b>420</b>	
JAN '20	926	3591	193	166	6	240	30	420	
FEB	679	2519	189	153	3	120	15	210	
MAR	483	1998	267	171	6	240	30	420	
<b>4TH QTR.</b>	<b>2088</b>	<b>8108</b>	<b>649</b>	<b>490</b>	<b>15</b>	<b>600</b>	<b>75</b>	<b>1050</b>	
<b>2019-20</b>	<b>10401</b>	<b>37234</b>	<b>3572</b>	<b>2135</b>	<b>44</b>	<b>1800</b>	<b>225</b>	<b>3150</b>	
2018-19	11746	40014	4458	1475	51	2105	190	2790	
2017-18	9487	37620	2745	1459	39	1625	130	1950	
2016-17	3614	17235	917	745	52	1875	150	2250	
2015-16	10100	53956	8962	2200	42	2000	160	2400	

## उत्पादन PRODUCTION

## IRON &amp; COPPER FOUNDRY

Unit - Tonne

Table No.15.2 (contd)

PERIOD	Cast Iron Foundry													
	Bottom Plate Production								Chill Plate Production					
	8 t		9 t		10 t		Total		9 t		Type-12 t		Total	
	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne	Nos	Tonne
APR '19	0	0	0	0	47	470	47	470	0	0	0	0	0	0
MAY	0	0	0	0	52	520	52	520	0	0	0	0	0	0
JUN	0	0	0	0	49	490	49	490	0	0	0	0	0	0
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>148</b>	<b>1480</b>	<b>148</b>	<b>1480</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL	0	0	0	0	41	410	41	410	2	18	0	0	2	18
AUG	0	0	0	0	55	550	55	550	0	0	0	0	0	0
SEP	0	0	0	0	29	290	29	290	0	0	0	0	0	0
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125</b>	<b>1250</b>	<b>125</b>	<b>1250</b>	<b>2</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>18</b>
OCT	0	0	0	0	27	270	27	270	0	0	0	0	0	0
NOV	0	0	0	0	52	520	52	520	0	0	0	0	0	0
DEC	0	0	0	0	51	510	51	510	0	0	0	0	0	0
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130</b>	<b>1300</b>	<b>130</b>	<b>1300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JAN '20	0	0	0	0	53	530	53	530	0	0	0	0	0	0
FEB	0	0	0	0	24	240	24	240	0	0	0	0	0	0
MAR	0	0	0	0	11	110	11	110	0	0	0	0	0	0
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>880</b>	<b>88</b>	<b>880</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>491</b>	<b>4910</b>	<b>491</b>	<b>4910</b>	<b>2</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>18</b>
2018-19	0	0	0	0	523	5230	523	5230	22	198	0	0	22	198
2017-18	0	0	0	0	567	5670	567	5670	0	0	0	0	0	0
2016-17	0	0	0	0	586	5860	586	5860	41	369	0	0	41	369
2015-16	0	0	0	0	597	5970	597	5970	49	441	5	60	54	501

उत्पादन एवं खपत  
PRODUCTION & CONSUMPTION

IRON & COPPER FOUNDRY

Unit - Tonne

Table No.15.2 (contd)

PERIOD	Cast Iron Foundry												
	Prodn.of Cast Iron Castings	Scrap Genera- tion	Consumption of Materials										
			Pig Iron	Fe-Mn (HC)	Fe-Si	Fe-Cr.	Fe-Ph	Ni	Hard Coke	Lime Stone	Silica Sand	Bento -nite	Sodium Silicate
APR '19	532.32	10.30	550.53	8.70	6.00	0.08	0.04	0.003	53.00	21.20	69.00	17.30	0.66
MAY	590.87	14.99	601.80	7.80	3.50	0.11	0.06	0.021	57.80	23.12	65.00	16.75	0.33
JUN	562.82	7.13	581.51	1.61	5.75	0.10	0.04	0.007	56.00	22.40	64.00	13.85	0.66
<b>1ST QTR.</b>	<b>1686.01</b>	<b>32.42</b>	<b>1733.84</b>	<b>18.11</b>	<b>15.25</b>	<b>0.28</b>	<b>0.14</b>	<b>0.03</b>	<b>166.80</b>	<b>66.72</b>	<b>198.00</b>	<b>47.90</b>	<b>1.65</b>
JUL	486.11	9.69	482.00	4.20	4.75	0.08	0.03	0.01	46.50	18.50	57.00	11.10	0.66
AUG	621.99	10.63	663.00	3.80	4.00	0.08	0.03	0.01	63.70	25.50	66.00	18.90	0.30
SEP	325.80	8.44	317.44	2.50	3.00	0.05	0.02	0.00	30.00	12.00	47.00	11.10	0.30
<b>2ND QTR.</b>	<b>1433.90</b>	<b>28.76</b>	<b>1462.44</b>	<b>10.50</b>	<b>11.75</b>	<b>0.21</b>	<b>0.08</b>	<b>0.02</b>	<b>140.20</b>	<b>56.00</b>	<b>170.00</b>	<b>41.10</b>	<b>1.26</b>
OCT	297.89	21.36	300.04	3.10	3.41	0.04	0.03	0.003	30.00	12.00	24.00	2.30	0.13
NOV	538.40	9.22	555.64	5.00	5.60	0.05	0.02	0.01	54.00	21.60	56.00	11.50	0.00
DEC	543.54	27.43	571.00	5.10	5.70	0.05	0.02	0.01	55.00	21.80	34.00	14.50	0.00
<b>3RD QTR.</b>	<b>1379.83</b>	<b>58.01</b>	<b>1426.68</b>	<b>13.20</b>	<b>14.71</b>	<b>0.14</b>	<b>0.07</b>	<b>0.03</b>	<b>139.00</b>	<b>55.40</b>	<b>114.00</b>	<b>28.30</b>	<b>0.13</b>
JAN '20	559.89	29.46	588.35	6.01	5.59	0.06	0.03	0.01	56.75	23.21	48.00	14.25	0.00
FEB	295.85	20.70	319.34	2.90	3.20	0.06	0.06	0.01	29.50	11.80	21.00	10.50	0.00
MAR	124.88	10.69	143.82	1.40	1.55	0.04	0.06	0.02	13.00	5.20	11.00	7.95	0.00
<b>4TH QTR.</b>	<b>980.62</b>	<b>60.85</b>	<b>1051.51</b>	<b>10.31</b>	<b>10.34</b>	<b>0.16</b>	<b>0.15</b>	<b>0.04</b>	<b>99.25</b>	<b>40.21</b>	<b>80.00</b>	<b>32.70</b>	<b>0.00</b>
<b>2019-20</b>	<b>5480.35</b>	<b>180.03</b>	<b>5674.47</b>	<b>52.12</b>	<b>52.05</b>	<b>0.78</b>	<b>0.44</b>	<b>0.115</b>	<b>545.25</b>	<b>218.33</b>	<b>562</b>	<b>150.00</b>	<b>3.04</b>
2018-19	6050.45	405.43	6469.54	88.18	88.61	1.28	0.36	0.065	624.90	249.31	781	145.50	10.89
2017-18	6263.72	227.99	6806.62	82.44	67.78	0.17	0.00	0.188	601.10	317.86	581	147.65	7.23
2016-17	6992.59	237.05	7333.24	100.52	109.43	0.01	0.00	0.094	766.07	347.38	850	178.50	9.60
2015-16	7490.88	240.41	7630.56	86.43	118.73	7.59	0.50	0.136	801.92	364.55	998	193.05	10.23

**उत्पादन एवं खपत**  
**PRODUCTION & CONSUMPTION**



**IRON & COPPER FOUNDRY**

Unit - Tonne

Table No.15.2

PERIOD	Prodn.of Non-Ferrous Castings	Scrap Gene- ration	Non-Ferrous Foundry										
			Consumption of Materials										
			Copper	Alumi- nium	Al- Bronze	Tin	Zinc	Lead	Phos- Cu	Fe-Mn (LC)	Ni	Silica Sand	Bento- nite
APR '19	27.17	0.65	1.85	2.28	3.46	0.28	16.64	0.15	0.08	0.00	0.00	19.00	2.65
MAY	27.65	1.07	6.47	1.87	0.00	0.86	16.38	0.28	0.35	0.00	0.00	17.00	3.00
JUN	18.98	0.86	0.00	1.67	4.34	0.00	11.05	0.00	0.03	0.04	0.17	21.00	3.00
<b>1ST QTR.</b>	<b>73.80</b>	<b>2.57</b>	<b>8.32</b>	<b>5.81</b>	<b>7.79</b>	<b>1.13</b>	<b>44.07</b>	<b>0.43</b>	<b>0.46</b>	<b>0.04</b>	<b>0.17</b>	<b>57.00</b>	<b>8.65</b>
JUL	26.82	0.97	2.08	2.35	1.96	0.27	16.58	0.10	0.12	0.00	0.00	62.00	9.30
AUG	29.42	2.66	0.93	2.71	4.64	0.10	18.15	0.00	0.07	0.03	0.18	26.00	3.85
SEP	21.18	2.38	5.14	0.91	1.00	0.64	8.00	0.28	0.26	0.00	0.00	17.00	2.70
<b>2ND QTR.</b>	<b>77.42</b>	<b>6.01</b>	<b>8.15</b>	<b>5.97</b>	<b>7.60</b>	<b>1.01</b>	<b>42.73</b>	<b>0.38</b>	<b>0.45</b>	<b>0.03</b>	<b>0.18</b>	<b>105.00</b>	<b>15.85</b>
OCT	9.81	0.96	4.36	0.35	1.07	0.69	0.00	0.29	0.24	0.00	0.00	16.00	1.80
NOV	16.17	2.27	1.55	1.61	0.96	0.47	7.98	0.00	0.26	0.00	0.00	30.00	3.15
DEC	17.12	1.10	1.35	1.26	3.35	0.23	5.08	0.24	0.03	0.00	0.00	21.00	3.05
<b>3RD QTR.</b>	<b>43.10</b>	<b>4.32</b>	<b>7.26</b>	<b>3.22</b>	<b>5.38</b>	<b>1.39</b>	<b>13.06</b>	<b>0.53</b>	<b>0.53</b>	<b>0.00</b>	<b>0.00</b>	<b>67.00</b>	<b>8.00</b>
JAN '20	18.11	0.98	0.10	0.67	6.14	0.00	6.20	0.00	0.01	0.00	0.14	35.00	5.25
FEB	15.21	2.28	3.10	0.66	3.72	0.20	5.28	0.00	0.05	0.04	0.03	25.00	4.50
MAR	22.80	0.87	0.85	1.71	1.68	0.00	13.98	0.03	0.00	0.02	0.02	15.00	2.25
<b>4TH QTR.</b>	<b>56.12</b>	<b>4.13</b>	<b>4.05</b>	<b>3.04</b>	<b>11.54</b>	<b>0.20</b>	<b>25.46</b>	<b>0.03</b>	<b>0.06</b>	<b>0.06</b>	<b>0.19</b>	<b>75.00</b>	<b>12.00</b>
<b>2019-20</b>	<b>250.44</b>	<b>17.03</b>	<b>27.78</b>	<b>18.04</b>	<b>32.31</b>	<b>3.73</b>	<b>125.31</b>	<b>1.36</b>	<b>1.49</b>	<b>0.13</b>	<b>0.54</b>	<b>304.00</b>	<b>44.50</b>
2018-19	277.97	12.17	26.20	23.94	46.50	2.12	142.59	0.65	1.03	0.30	0.89	308.00	50.88
2017-18	348.75	30.80	25.01	30.22	47.83	3.65	220.02	2.04	1.44	0.27	1.10	288.50	41.88
2016-17	310.95	27.37	19.93	20.61	43.76	2.13	168.59	1.88	0.79	0.77	1.94	376.00	56.16
2015-16	338.87	18.75	23.44	29.98	44.01	2.21	200.75	1.50	1.04	0.35	0.66	361.50	51.03



**POWER PLANT**

वाष्प का उत्पादन  
PRODUCTION OF STEAM

POWER PLANT PERIOD	Unit-Tonne							Table No. 16.1(Contd.)
	100 Kg/cm <sup>2</sup>				39 Kg/cm <sup>2</sup>			
	T.P.P. Boiler	C.P.P. Boiler	Boiler#9	Total	T.G.-1	HSPRDU	Total	
APR.'19	312504	433992	164448	910944	30576	68832	99408	
MAY	337248	500880	161736	999864	108840	38256	147096	
JUN	404688	468216	185784	1058688	100704	2112	102816	
<b>1ST QTR.</b>	<b>1054440</b>	<b>1403088</b>	<b>511968</b>	<b>2969496</b>	<b>240120</b>	<b>109200</b>	<b>349320</b>	
JUL.	365208	512184	169680	1047072	102096	7128	109224	
AUG.	329232	517848	175176	1022256	109872	7920	117792	
SEP.	331368	449352	167064	947784	109224	7920	117144	
<b>2ND QTR.</b>	<b>1025808</b>	<b>1479384</b>	<b>511920</b>	<b>3017112</b>	<b>321192</b>	<b>22968</b>	<b>344160</b>	
OCT.	378816	327720	162984	869520	126120	36288	162408	
NOV.	379440	442344	11952	833736	113496	22512	136008	
DEC.	370968	454224	0	825192	109848	16368	126216	
<b>3RD QTR.</b>	<b>1129224</b>	<b>1224288</b>	<b>174936</b>	<b>2528448</b>	<b>349464</b>	<b>75168</b>	<b>424632</b>	
JAN.'20	355368	384024	99840	839232	111480	20088	131568	
FEB.	331944	278064	169512	779520	102576	3480	106056	
MAR.	353184	299952	171504	824640	106800	20832	127632	
<b>4TH QTR.</b>	<b>1040496</b>	<b>962040</b>	<b>440856</b>	<b>2443392</b>	<b>320856</b>	<b>44400</b>	<b>365256</b>	
<b>2019-20</b>	<b>4249968</b>	<b>5068800</b>	<b>1639680</b>	<b>10958448</b>	<b>1231632</b>	<b>251736</b>	<b>1483368</b>	
2018-19	3587472	5243904	1101192	9932568	918888	625992	1544880	
2017-18	3344270	5360040	1711968	10416278	782640	678576	1461216	
2016-17	4280244	5549296	1893856	11723396	728664	596616	1325280	
2015-16	4549128	5478964	1881240	11909332	967704	472800	1440504	

**वाष्प का उत्पादन**  
**PRODUCTION OF STEAM**

**POWER PLANT**

**Unit-Tonne**

Table No. 16.1

PERIOD	BPSCl				BSL				BPSCl+BSL
	8-12 Kg/cm <sup>2</sup>				From Waste Heat Boilers at (8-12 Kg/cm <sup>2</sup> )				GRAND
	PRDU 1,2 & 4	PRDU 3	TG-9	Total	R.M.P.	HSEM Cooler	Acid Pant	Total	TOTAL
APR.'19	127728	2112	76872	206712	40006	27044	2135	69185	275897
MAY	91680	30960	79200	201840	40146	23922	1440	65508	267348
JUN	138384	0	74904	213288	37862	28289	2080	68231	281519
<b>1ST QTR.</b>	<b>357792</b>	<b>33072</b>	<b>230976</b>	<b>621840</b>	<b>118014</b>	<b>79255</b>	<b>5655</b>	<b>202924</b>	<b>824764</b>
JUL.	148968	0	82560	231528	41298	23618	249	65165	296693
AUG.	134040	6864	91800	232704	38322	28644	2035	69001	301705
SEP.	131760	7920	100008	239688	29556	15171	2200	46927	286615
<b>2ND QTR.</b>	<b>414768</b>	<b>14784</b>	<b>274368</b>	<b>703920</b>	<b>109176</b>	<b>67433</b>	<b>4484</b>	<b>181093</b>	<b>885013</b>
OCT.	87048	43344	97608	228000	35342	28697	1041	65080	293080
NOV.	91992	17016	81432	190440	29718	26762	1950	58430	248870
DEC.	72888	21240	90528	184656	31852	33439	2615	67906	252562
<b>3RD QTR.</b>	<b>251928</b>	<b>81600</b>	<b>269568</b>	<b>603096</b>	<b>96912</b>	<b>88898</b>	<b>5606</b>	<b>191416</b>	<b>794512</b>
JAN.'20	68016	18096	99096	185208	37950	30950	2450	71350	256558
FEB.	73488	19224	89016	181728	37743	22162	2070	61975	243703
MAR.	81864	18024	90384	190272	39269	27069	1935	68273	258545
<b>4TH QTR.</b>	<b>223368</b>	<b>55344</b>	<b>278496</b>	<b>557208</b>	<b>114962</b>	<b>80181</b>	<b>6455</b>	<b>201598</b>	<b>758806</b>
<b>2019-20</b>	<b>1247856</b>	<b>184800</b>	<b>1053408</b>	<b>2486064</b>	<b>439064</b>	<b>315767</b>	<b>22200</b>	<b>777031</b>	<b>3263095</b>
2018-19	1035840	201288	1087560	2324688	476009	381703	19080	876792	3201480
2017-18	1072896	78528	1191984	2343408	457376	416711	6895	880982	3224390
2016-17	1209720	62520	1214026	2486266	387628	381485	-	769113	3255379
2015-16	1234728	70848	1055672	2361248	408075	341478	-	749553	3110801

वाष्प का वितरण  
DISTRIBUTION OF STEAM

POWER PLANT PERIOD	Unit-Tonne											Table No. 16.2(Contd.)	
	100 Kg/cm <sup>2</sup>									BSL			BPSCL+BSL Total
	BPSCL					PRDU 1,2&4	Turbo Blowers	Blow Down Losses					
HSPRDU	T.G.-1	T.G.-2	T.G.-3	T.G.-6	T.G.-7				T.G.-8	T.G.-9			
APR.'19	63600	30576	90720	29232	116616	152544	97992	76872	110112	138360	4320	910944	
MAY	35280	108840	68424	114744	79008	179208	107952	79200	79008	143760	4440	999864	
JUN	1920	100704	101400	123384	152064	155472	83952	74904	119328	141240	4320	1058688	
<b>1ST QTR.</b>	<b>100800</b>	<b>240120</b>	<b>260544</b>	<b>267360</b>	<b>347688</b>	<b>487224</b>	<b>289896</b>	<b>230976</b>	<b>308448</b>	<b>423360</b>	<b>13080</b>	<b>2969496</b>	
JUL.	6480	102096	101928	97776	112272	131040	126240	82560	128376	153840	4464	1047072	
AUG.	7200	109872	102960	66960	110760	133968	115632	91800	115560	163080	4464	1022256	
SEP.	7200	109224	96648	54336	104400	118104	98328	100008	113616	141600	4320	947784	
<b>2ND QTR.</b>	<b>20880</b>	<b>321192</b>	<b>301536</b>	<b>219072</b>	<b>327432</b>	<b>383112</b>	<b>340200</b>	<b>274368</b>	<b>357552</b>	<b>458520</b>	<b>13248</b>	<b>3017112</b>	
OCT.	33600	126120	84768	60120	90168	101304	54984	97608	75024	141240	4584	869520	
NOV.	20880	113496	89736	57840	117408	127848	0	81432	79296	141480	4320	833736	
DEC.	14880	109848	91464	57384	105240	134448	0	90528	62856	154080	4464	825192	
<b>3RD QTR.</b>	<b>69360</b>	<b>349464</b>	<b>265968</b>	<b>175344</b>	<b>312816</b>	<b>363600</b>	<b>54984</b>	<b>269568</b>	<b>217176</b>	<b>436800</b>	<b>13368</b>	<b>2528448</b>	
JAN.'20	18600	111480	91824	58368	112872	131400	696	99096	58632	151800	4464	839232	
FEB.	3480	102576	95640	55776	94008	41664	97368	89016	63336	132480	4176	779520	
MAR.	19344	106800	99000	61488	104736	41928	86400	90384	70536	139560	4464	824640	
<b>4TH QTR.</b>	<b>41424</b>	<b>320856</b>	<b>286464</b>	<b>175632</b>	<b>311616</b>	<b>214992</b>	<b>184464</b>	<b>278496</b>	<b>192504</b>	<b>423840</b>	<b>13104</b>	<b>2443392</b>	
<b>2019-20</b>	<b>232464</b>	<b>1231632</b>	<b>1114512</b>	<b>837408</b>	<b>1299552</b>	<b>1448928</b>	<b>869544</b>	<b>1053408</b>	<b>1075680</b>	<b>1742520</b>	<b>52800</b>	<b>10958448</b>	
2018-19	580968	918888	1017792	852696	990048	774144	936504	1087560	892992	1828440	52536	9932568	
2017-18	626736	782640	1123944	808200	962928	1082136	994632	1191984	924614	1863072	55392	10416278	
2016-17	551842	728664	119160	1413024	1200576	1837104	1735176	1214328	1042714	1820712	60096	11723396	
2015-16	437214	967704	778704	1297992	1202208	1441920	1671384	1055592	1064590	1931712	60312	11909332	

**वाष्प का वितरण**  
**DISTRIBUTION OF STEAM**

**POWER PLANT**

**Unit-Tonne**

Table No. 16.2(Contd.)

PERIOD	BPSCL		BSL			Total
	H.P. Heater	P.R.D.U-3	39 Kg/cm <sup>2</sup>			
			T.C.	C.O.& BPP	Blow Down Losses	
APR.'19	11040	1920	60146	21982	4320	99408
MAY	29760	28800	64549	19523	4464	147096
JUN	17520	0	63896	17080	4320	102816
<b>1ST QTR.</b>	<b>58320</b>	<b>30720</b>	<b>188591</b>	<b>58585</b>	<b>13104</b>	<b>349320</b>
JUL.	18096	0	67182	19482	4464	109224
AUG.	16920	6240	71013	19155	4464	117792
SEP.	22080	7200	65969	17575	4320	117144
<b>2ND QTR.</b>	<b>57096</b>	<b>13440</b>	<b>204164</b>	<b>56212</b>	<b>13248</b>	<b>344160</b>
OCT.	32976	40032	67572	17364	4464	162408
NOV.	32184	15624	67524	16356	4320	136008
DEC.	14880	19704	69734	17434	4464	126216
<b>3RD QTR.</b>	<b>80040</b>	<b>75360</b>	<b>204830</b>	<b>51154</b>	<b>13248</b>	<b>424632</b>
JAN.'20	22320	16824	71248	16712	4464	131568
FEB.	17424	17856	53280	13320	4176	106056
MAR.	22320	16584	63198	21066	4464	127632
<b>4TH QTR.</b>	<b>62064</b>	<b>51264</b>	<b>187726</b>	<b>51098</b>	<b>13104</b>	<b>365256</b>
<b>2019-20</b>	<b>257520</b>	<b>170784</b>	<b>785311</b>	<b>217049</b>	<b>52704</b>	<b>1483368</b>
2018-19	289896	186024	806440	210824	51696	1544880
2017-18	278064	72768	823364	232396	54624	1461216
2016-17	216672	57598	755053	237517	58440	1325280
2015-16	119400	67312	589728	605000	59064	1440504

# वाष्प का वितरण DISTRIBUTION OF STEAM

POWER PLANT

'Unit-Tonne

Table No. 16.2

PERIOD	8-12 Kg/cm <sup>2</sup>															
	BPSCL				BSL											Total
	TPP (Aux)	C.O.& BPP	B.F.	R.M.P.	SI.Mill	H.S.M.	C.R.M. & BOC	CRM-III	S.M.S.	Oxygen Plant	Aux. Shop	Foundry	Acid Plant	Blow Down Losses		
APR.'19	79200	18977	38148	20673	1697	12034	31781	15119	16199	11879	12959	12959	0	4272	275897	
MAY	74400	18547	36457	20068	1672	11630	31166	14899	15811	11782	13378	13074	0	4464	267348	
JUN	81960	19131	38427	20856	1568	11996	31990	15446	16387	12388	13486	13564	0	4320	281519	
<b>1ST QTR.</b>	<b>235560</b>	<b>56655</b>	<b>113032</b>	<b>61597</b>	<b>4937</b>	<b>35660</b>	<b>94937</b>	<b>45464</b>	<b>48397</b>	<b>36049</b>	<b>39823</b>	<b>39597</b>	<b>0</b>	<b>13056</b>	<b>824764</b>	
JUL.	84816	20714	37651	22666	1698	12904	34467	16724	17828	13583	14602	14602	0	4438	296693	
AUG.	84816	21505	35428	23560	1771	13463	35960	17448	18777	14171	15252	15234	0	4320	301705	
SEP.	76080	20637	34244	22700	1720	13070	34996	16939	18229	13758	14961	14961	0	4320	286615	
<b>2ND QTR.</b>	<b>245712</b>	<b>62856</b>	<b>107323</b>	<b>68926</b>	<b>5189</b>	<b>39437</b>	<b>105423</b>	<b>51111</b>	<b>54834</b>	<b>41512</b>	<b>44815</b>	<b>44797</b>	<b>0</b>	<b>13078</b>	<b>885013</b>	
OCT.	69552	21846	33927	24438	1851	14441	37398	18143	19625	14811	16273	16311	0	4464	293080	
NOV.	74880	16455	32543	18032	1097	10833	28111	13438	14261	10696	12122	12081	0	4321	248870	
DEC.	66960	17528	33100	19496	1332	11621	30274	15100	14952	11725	13012	12998	0	4464	252562	
<b>3RD QTR.</b>	<b>211392</b>	<b>55829</b>	<b>99570</b>	<b>61966</b>	<b>4280</b>	<b>36895</b>	<b>95783</b>	<b>46681</b>	<b>48838</b>	<b>37232</b>	<b>41407</b>	<b>41390</b>	<b>0</b>	<b>13249</b>	<b>794512</b>	
JAN.'20	59112	19193	31427	21164	1292	12601	33006	16479	16478	12844	14249	14249	0	4464	256558	
FEB.	69600	16454	32578	18020	934	10782	28088	14092	14202	10851	11977	11949	0	4176	243703	
MAR.	78240	17249	31856	19006	1008	11260	29301	14917	14845	11317	12555	12527	0	4464	258545	
<b>4TH QTR.</b>	<b>206952</b>	<b>52896</b>	<b>95861</b>	<b>58190</b>	<b>3234</b>	<b>34643</b>	<b>90395</b>	<b>45488</b>	<b>45525</b>	<b>35012</b>	<b>38781</b>	<b>38725</b>	<b>0</b>	<b>13104</b>	<b>758806</b>	
<b>2019-20</b>	<b>899616</b>	<b>228236</b>	<b>415786</b>	<b>250679</b>	<b>17640</b>	<b>146635</b>	<b>386538</b>	<b>188744</b>	<b>197594</b>	<b>149805</b>	<b>164826</b>	<b>164509</b>	<b>0</b>	<b>52487</b>	<b>3263095</b>	
2018-19	953184	111570	602613	246124	21507	125452	338952	179740	167869	124280	139707	138591	0	51891	3201480	
2017-18	856512	-	642770	291937	38296	125874	393848	-	204038	128741	201065	188578	98247	54484	3224390	
2016-17	777408	-	650852	379197	38907	134366	313146	-	222846	131223	208144	163896	177915	57479	3255379	
2015-16	738960	-	562080	464579	47220	117589	252364	-	229196	133344	208682	146072	169422	41293	3110801	

ऑयलरों में सामग्री एवं ईंधन की खपत  
CONSUMPTION OF MATERIALS AND FUELS IN BOILERS

POWER PLANT

Table No. 16.3(Contd.)

PERIOD	TOTAL CONSUMPTION								
	Middling Coal(t)				Furnace Oil(KL)				DM Water(m <sup>3</sup> )
	T.P.P.	C.P.P.	Boiler#9	Total	T.P.P.	C.P.P.	Boiler#9	Total	
APR.'19	28383	80427	30298	139108	69	408	326	803	189293
MAY	16535	100932	29887	147354	71	333	87	491	185425
JUN	28043	91331	33011	152385	64	356	46	466	185115
<b>1ST QTR.</b>	<b>72961</b>	<b>272690</b>	<b>93196</b>	<b>438847</b>	<b>204</b>	<b>1097</b>	<b>459</b>	<b>1760</b>	<b>559833</b>
JUL.	21456	101558	30742	153756	28	506	104	638	184984
AUG.	19184	101449	32724	153357	123	320	166	609	195254
SEP.	15115	87261	32647	135023	43	203	212	458	189150
<b>2ND QTR.</b>	<b>55755</b>	<b>290268</b>	<b>96113</b>	<b>442136</b>	<b>194</b>	<b>1029</b>	<b>482</b>	<b>1705</b>	<b>569388</b>
OCT.	18214	61143	32472	111829	39	284	283	606	189530
NOV.	18610	77536	2047	98193	27	336	47	410	168261
DEC.	16149	82106	0	98255	47	110	0	157	174075
<b>3RD QTR.</b>	<b>52973</b>	<b>220785</b>	<b>34519</b>	<b>308277</b>	<b>113</b>	<b>730</b>	<b>330</b>	<b>1173</b>	<b>531866</b>
JAN.'20	12513	67041	17437	96991	29	192	67	288	181490
FEB.	10496	48492	30306	89294	17	57	17	91	169350
MAR.	15901	52292	33819	102012	12	110	26	148	177195
<b>4TH QTR.</b>	<b>38910</b>	<b>167825</b>	<b>81562</b>	<b>288297</b>	<b>58</b>	<b>359</b>	<b>110</b>	<b>527</b>	<b>528035</b>
<b>2019-20</b>	<b>220599</b>	<b>951568</b>	<b>305390</b>	<b>1477557</b>	<b>569</b>	<b>3215</b>	<b>1381</b>	<b>5165</b>	<b>2189122</b>
2018-19	351832	964376	196109	1512317	1393	4695	1560	7648	2214530
2017-18	414739	947606	319814	1682159	5997	1169	2921	10087	2314544
2016-17	555961	1032497	340909	1929367	4926	827	919	6672	2225622
2015-16	543136	1008675	355633	1907444	1522	728	1339	3589	2596006

छाँयलरों में भ्रामखी एवं ईधन की खपत  
CONSUMPTION RATE OF MATERIALS AND FUELS IN BOILERS

## POWER PLANT

Table No. 16.3

PERIOD	CONSUMPTION PER TONNE OF STEAM PRODUCTION						
	Middling Coal (Kg)			Furnace Oil (ltr)			DM Water (10 <sup>3</sup> x cm <sup>3</sup> )
	T.P.P.	C.P.P.	Boiler#9	T.P.P.	C.P.P.	Boiler#9	
APR.'19	90.8	185.3	184.2	0.22	0.94	1.98	207.8
MAY	49.0	201.5	184.8	0.21	0.66	0.54	185.5
JUN	69.3	195.1	177.7	0.16	0.76	0.25	174.9
<b>1ST QTR.</b>	<b>69.2</b>	<b>194.3</b>	<b>182.0</b>	<b>0.19</b>	<b>0.78</b>	<b>0.90</b>	<b>188.5</b>
JUL.	58.8	198.3	181.2	0.08	0.99	0.61	176.7
AUG.	58.3	195.9	186.8	0.37	0.62	0.95	191.0
SEP.	45.6	194.2	195.4	0.13	0.45	1.27	199.6
<b>2ND QTR.</b>	<b>54.4</b>	<b>196.2</b>	<b>187.8</b>	<b>0.19</b>	<b>0.70</b>	<b>0.94</b>	<b>188.7</b>
OCT.	48.1	186.6	199.2	0.10	0.87	1.74	218.0
NOV.	49.0	175.3	171.3	0.07	0.76	3.93	201.8
DEC.	43.5	180.8	-	0.13	0.24	-	211.0
<b>3RD QTR.</b>	<b>46.9</b>	<b>180.3</b>	<b>197.3</b>	<b>0.10</b>	<b>0.60</b>	<b>1.89</b>	<b>210.4</b>
JAN.'20	35.2	174.6	174.6	0.08	0.50	0.67	216.3
FEB.	31.6	174.4	178.8	0.05	0.20	0.10	217.2
MAR.	45.0	174.3	197.2	0.03	0.37	0.15	214.9
<b>4TH QTR.</b>	<b>37.4</b>	<b>174.4</b>	<b>185.0</b>	<b>0.06</b>	<b>0.37</b>	<b>0.25</b>	<b>216.1</b>
<b>2019-20</b>	<b>51.9</b>	<b>187.7</b>	<b>186.2</b>	<b>0.13</b>	<b>0.63</b>	<b>0.84</b>	<b>199.8</b>
2018-19	98.1	183.9	178.1	0.39	0.90	1.42	223.0
2017-18	124.0	176.8	186.8	1.79	0.22	1.71	222.2
2016-17	129.9	186.1	180.0	1.15	0.15	0.49	189.8
2015-16	119.4	184.1	189.0	0.33	0.13	0.71	218.0



वायु धमन का जनन  
GENERATION OF AIR BLAST

POWER PLANT	Unit-10 <sup>3</sup> m <sup>3</sup>								Table No. 16.4	
	TURBO BLOWERS								Consumption of Steam	Production of Air Blast /T of Steam
PERIOD	T.B.-I	T.B.-II	T.B.-III	T.B.-IV	T.B.-VI	T.B.-VII	T.B.-VIII	Total		
APR.'19	77114	0	80006	148662	0	137455	170562	613799	138360	4.44
MAY	151448	0	143333	42980	126798	0	174792	639351	143760	4.45
JUN	72776	64681	76272	121215	105331	0	171564	611839	141240	4.33
<b>1ST QTR.</b>	<b>301338</b>	<b>64681</b>	<b>299611</b>	<b>312857</b>	<b>232129</b>	<b>137455</b>	<b>516918</b>	<b>1864989</b>	<b>423360</b>	<b>4.41</b>
JUL.	125051	144638	41068	85252	92297	0	178560	666866	153840	4.33
AUG.	129588	115158	148469	154314	30485	0	176952	754966	163080	4.63
SEP.	22566	142386	144204	122896	27945	0	157920	617917	141600	4.36
<b>2ND QTR.</b>	<b>277205</b>	<b>402182</b>	<b>333741</b>	<b>362462</b>	<b>150727</b>	<b>0</b>	<b>513432</b>	<b>2039749</b>	<b>458520</b>	<b>4.45</b>
OCT.	152337	74704	150512	0	17823	76202	164619	636197	141240	4.50
NOV.	145728	81842	77167	0	0	150192	173688	628617	141480	4.44
DEC.	81625	152135	67921	0	0	154957	179136	635774	154080	4.13
<b>3RD QTR.</b>	<b>379690</b>	<b>308681</b>	<b>295600</b>	<b>0</b>	<b>17823</b>	<b>381351</b>	<b>517443</b>	<b>1900588</b>	<b>436800</b>	<b>4.35</b>
JAN.'20	0	148503	148051	6313	7466	144164	174470	628967	151800	4.14
FEB.	0	139221	139238	0	1858	145056	165744	591117	132480	4.46
MAR.	0	146978	90024	68773	0	149000	173140	627915	139560	4.50
<b>4TH QTR.</b>	<b>0</b>	<b>434702</b>	<b>377313</b>	<b>75086</b>	<b>9324</b>	<b>438220</b>	<b>513354</b>	<b>1847999</b>	<b>423840</b>	<b>4.36</b>
<b>2019-20</b>	<b>958233</b>	<b>1210246</b>	<b>1306265</b>	<b>750405</b>	<b>410003</b>	<b>957026</b>	<b>2061147</b>	<b>7653325</b>	<b>1742520</b>	<b>4.39</b>
2018-19	1312979	415027	575128	448086	1556200	1577388	2038863	7923671	1828440	4.33
2017-18	1543465	610352	1454964	1053524	1472857	368281	1966933	8470376	1863072	4.55
2016-17	1448933	624502	284395	865289	1188757	1001953	1915396	7329225	1820712	4.03
2015-16	805673	831555	733808	548680	549220	1614695	2000881	7084512	1931712	3.67

भंपीडित ढायु का उत्पादन  
PRODUCTION OF COMPRESSED AIR

POWER PLANT	Unit-10 <sup>3</sup> m <sup>3</sup>					Consumption of 39 Kg Steam(T)	Production of Compressed Air/T of Steam
	TURBO COMPRESSORS						
PERIOD	T.C.-I	T.C.-II	T.C.-III	T.C.-IV	Total		
APR.'19	53539	12449	43740	0	109728	60146	1.82
MAY	58814	0	56194	0	115008	64549	1.78
JUN	55088	1716	53018	0	109822	63896	1.72
<b>1ST QTR.</b>	<b>167441</b>	<b>14165</b>	<b>152952</b>	<b>0</b>	<b>334558</b>	<b>188591</b>	<b>1.77</b>
JUL.	57859	0	56604	0	114463	67182	1.70
AUG.	35607	0	33287	47919	116813	71013	1.64
SEP.	54749	0	39311	15686	109746	65969	1.66
<b>2ND QTR.</b>	<b>148215</b>	<b>0</b>	<b>129202</b>	<b>63605</b>	<b>341022</b>	<b>204164</b>	<b>1.67</b>
OCT.	57189	0	54713	2209	114111	67572	1.69
NOV.	57117	0	56480	0	113597	67524	1.68
DEC.	60442	0	59888	0	120330	69734	1.73
<b>3RD QTR.</b>	<b>174748</b>	<b>0</b>	<b>171081</b>	<b>2209</b>	<b>348038</b>	<b>204830</b>	<b>1.70</b>
JAN.'20	60661	0	59544	0	120205	71248	1.69
FEB.	26218	0	55989	0	82207	53280	1.54
MAR.	0	0	58543	54469	113012	63198	1.79
<b>4TH QTR.</b>	<b>86879</b>	<b>0</b>	<b>174076</b>	<b>54469</b>	<b>315424</b>	<b>187726</b>	<b>1.68</b>
<b>2019-20</b>	<b>577283</b>	<b>14165</b>	<b>627311</b>	<b>120283</b>	<b>1339042</b>	<b>785311</b>	<b>1.71</b>
2018-19	595918	58029	456571	245786	1356304	806440	1.68
2017-18	484973	0	547649	346173	1378795	823364	1.67
2016-17	517111	50019	456502	283338	1306970	755053	1.73
2015-16	338681	26641	521480	92193	978995	589728	1.66



विद्युत शक्ति का जनन  
GENERATION OF POWER

## POWER PLANT

## Unit-MWH

Table No. 16.6

PERIOD	TURBO GENERATORS								T.G.-IX	Total Power Generation	Solar Power Generation
	T.P.P.				C.P.P.						
	T.G.-I	T.G.-II	T.G.-III	Total	T.G.-VI	T.G.-VII	T.G.-VIII	Total			
APR.'19	872	21783	6642	29297	28347.5	37685	23821	89853.5	7952.9	127103.4	11.1
MAY	2943	16556	28145	47644	19308.5	43492	26354	89154.5	8134.1	144932.6	12.0
JUN	2725	24408	29679	56812	36512.5	36883	20328	93723.5	7557.0	158092.5	10.4
<b>1ST QTR.</b>	<b>6540</b>	<b>62747</b>	<b>64466</b>	<b>133753</b>	<b>84168.5</b>	<b>118060</b>	<b>70503</b>	<b>272731.5</b>	<b>23644.0</b>	<b>430128.5</b>	<b>33.5</b>
JUL.	2751	24264	23448	50463	26990.5	31407	30056	88453.5	8771.5	147688.0	198.5
AUG.	2985	24819	16167	43971	26887.0	31943	27838	86668.0	10100.8	140739.8	183.9
SEP.	2945	23243	13016	39204	24989.5	27991	23463	76443.5	11538.3	127185.8	163.2
<b>2ND QTR.</b>	<b>8681</b>	<b>72326</b>	<b>52631</b>	<b>133638</b>	<b>78867.0</b>	<b>91341</b>	<b>81357</b>	<b>251565.0</b>	<b>30410.6</b>	<b>415613.6</b>	<b>545.6</b>
OCT.	2797	20142	14251	37190	21735.0	24316	12862	58913.0	10451.6	106554.6	153.9
NOV.	2841	21405	13798	38044	27968.0	30471	0	58439.0	8676.3	105159.3	104.2
DEC.	2970	22041	13983	38994	25231.0	32081	0	57312.0	10169.0	106475.0	76.8
<b>3RD QTR.</b>	<b>8608</b>	<b>63588</b>	<b>42032</b>	<b>114228</b>	<b>74934.0</b>	<b>86868</b>	<b>12862</b>	<b>174664.0</b>	<b>29296.9</b>	<b>318188.9</b>	<b>334.9</b>
JAN.'20	2932	22364	13734	39030	27554.0	31935	471	59960.0	11632.0	110622.0	95.2
FEB.	2700	22907	13333	38940	22609.0	9647	23573	55829.0	10162.0	104931.0	91.1
MAR.	2812	23895	14410	41117	24874.5	10447	20269	55590.5	10295.0	107002.5	115.2
<b>4TH QTR.</b>	<b>8444</b>	<b>69166</b>	<b>41477</b>	<b>119087</b>	<b>75037.5</b>	<b>52029</b>	<b>44313</b>	<b>171379.5</b>	<b>32089.0</b>	<b>322555.5</b>	<b>301.5</b>
<b>2019-20</b>	<b>32273</b>	<b>267827</b>	<b>200606</b>	<b>500706</b>	<b>313007.0</b>	<b>348298</b>	<b>209035</b>	<b>870340.0</b>	<b>115440.5</b>	<b>1486486.5</b>	<b>1215.5</b>
2018-19	24823	244644	205215	474682	236923.0	185300	225907	648130.0	118924.2	1241736.2	110.4
2017-18	22116	268960	197340	488416	237475.0	265992	238056	741523.0	136702.7	1366641.7	115.7
2016-17	25648	28485	336397	390530	294871.5	447538	423496	1165905.5	140956.6	1697392.1	75.4
2015-16	36516	178592	312630	527738	297102.5	356277	412843	1066222.5	122595.0	1716555.5	0.0

वाष्प की खपत  
CONSUMPTION OF STEAM

POWER PLANT	Unit- Tonne							Table No. 16.7
	TURBO GENERATORS							
	T.P.P.			C.P.P.			T.G.-IX	
T.G.-I	T.G.-II	T.G.-III	T.G.-VI	T.G.-VII	T.G.-VIII			
APR.'19	30576	90720	29232	116616	152544	97992	76872	594552
MAY	108840	68424	114744	79008	179208	107952	79200	737376
JUN	100704	101400	123384	152064	155472	83952	74904	791880
<b>1ST QTR.</b>	<b>240120</b>	<b>260544</b>	<b>267360</b>	<b>347688</b>	<b>487224</b>	<b>289896</b>	<b>230976</b>	<b>2123808</b>
JUL.	102096	101928	97776	112272	131040	126240	82560	753912
AUG.	109872	102960	66960	110760	133968	115632	91800	731952
SEP.	109224	96648	54336	104400	118104	98328	100008	681048
<b>2ND QTR.</b>	<b>321192</b>	<b>301536</b>	<b>219072</b>	<b>327432</b>	<b>383112</b>	<b>340200</b>	<b>274368</b>	<b>2166912</b>
OCT.	126120	84768	60120	90168	101304	54984	97608	615072
NOV.	113496	89736	57840	117408	127848	0	81432	587760
DEC.	109848	91464	57384	105240	134448	0	90528	588912
<b>3RD QTR.</b>	<b>349464</b>	<b>265968</b>	<b>175344</b>	<b>312816</b>	<b>363600</b>	<b>54984</b>	<b>269568</b>	<b>1791744</b>
JAN.'20	111480	91824	58368	112872	131400	696	99096	605736
FEB.	102576	95640	55776	94008	41664	97368	89016	576048
MAR.	106800	99000	61488	104736	41928	86400	90384	590736
<b>4TH QTR.</b>	<b>320856</b>	<b>286464</b>	<b>175632</b>	<b>311616</b>	<b>214992</b>	<b>184464</b>	<b>278496</b>	<b>1772520</b>
<b>2019-20</b>	<b>1231632</b>	<b>1114512</b>	<b>837408</b>	<b>1299552</b>	<b>1448928</b>	<b>869544</b>	<b>1053408</b>	<b>7854984</b>
2018-19	918888	1017792	852696	990048	774144	936504	1087560	6577632
2017-18	782640	1123944	808200	962928	1082136	994632	1191984	6946464
2016-17	728664	119160	1413024	1200576	1837104	1735176	1214328	8248032
2015-16	967704	778704	1297992	1202208	1441920	1671384	1055592	8415504

विद्युत शक्ति का उत्पादन दर  
PRODUCTION RATE OF POWER

POWER PLANT

Unit-KWH/ T of Steam

Table No. 16.8

PERIOD	TURBO GENERATORS							Total
	T.P.P.			C.P.P.			T.G.-IX	
	T.G.-I	T.G.-II	T.G.-III	T.G.-VI	T.G.-VII	T.G.-VIII		
APR.'19	28.5	240.1	227.2	243.1	247.0	243.1	103.5	213.8
MAY	27.0	242.0	245.3	244.4	242.7	244.1	102.7	196.6
JUN	27.1	240.7	240.5	240.1	237.2	242.1	100.9	199.7
<b>1ST QTR.</b>	<b>27.2</b>	<b>240.8</b>	<b>241.1</b>	<b>242.1</b>	<b>242.3</b>	<b>243.2</b>	<b>102.4</b>	<b>202.5</b>
JUL.	26.9	238.1	239.8	240.4	239.7	238.1	106.2	196.2
AUG.	27.2	241.1	241.4	242.8	238.4	240.7	110.0	192.5
SEP.	27.0	240.5	239.5	239.4	237.0	238.6	115.4	187.0
<b>2ND QTR.</b>	<b>27.0</b>	<b>239.9</b>	<b>240.2</b>	<b>240.9</b>	<b>238.4</b>	<b>239.1</b>	<b>110.8</b>	<b>192.1</b>
OCT.	22.2	237.6	237.0	241.1	240.0	233.9	107.1	173.5
NOV.	25.0	238.5	238.6	238.2	238.3	-	106.5	179.1
DEC.	27.0	241.0	243.7	239.7	238.6	-	112.3	180.9
<b>3RD QTR.</b>	<b>24.6</b>	<b>239.1</b>	<b>239.7</b>	<b>239.5</b>	<b>238.9</b>	<b>233.9</b>	<b>108.7</b>	<b>177.8</b>
JAN.'20	26.3	243.6	235.3	244.1	243.0	676.7	117.4	182.8
FEB.	26.3	239.5	239.0	240.5	231.5	242.1	114.2	182.3
MAR.	26.3	241.4	234.4	237.5	249.2	234.6	113.9	181.3
<b>4TH QTR.</b>	<b>26.3</b>	<b>241.4</b>	<b>236.2</b>	<b>240.8</b>	<b>242.0</b>	<b>240.2</b>	<b>115.2</b>	<b>182.1</b>
<b>2019-20</b>	<b>26.2</b>	<b>240.3</b>	<b>239.6</b>	<b>240.9</b>	<b>240.4</b>	<b>240.4</b>	<b>109.6</b>	<b>189.4</b>
2018-19	27.0	240.4	240.7	239.3	239.4	241.2	109.3	188.8
2017-18	28.3	239.3	244.2	246.6	245.8	239.3	114.7	196.8
2016-17	35.2	239.0	238.1	245.6	243.6	244.1	116.1	205.8
2015-16	37.7	229.3	240.9	247.1	247.1	247.0	116.1	204.0

**बॉयलरों की कार्यकारी अवधि**  
**WORKING HOURS OF BOILERS**

**POWER PLANT**

Unit- Hrs.:Mts.

Table No. 16.9(Contd.)

PERIOD	Boiler-I	Boiler-II	Boiler-III	Boiler-IV	Boiler-V	Boiler-VI	Boiler-VII	Boiler-VIII	Boiler-IX	Total
APR.'19	00:00	720:00	720:00	720:00	131:00	657:30	641:40	652:00	692:30	4934:40
MAY	00:00	744:00	744:00	744:00	172:00	677:00	744:00	744:00	653:45	5222:45
JUN	00:00	720:00	720:00	675:00	563:30	650:05	666:00	617:15	720:00	5331:50
<b>1ST QTR.</b>	<b>00:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>2139:00</b>	<b>866:30</b>	<b>1984:35</b>	<b>2051:40</b>	<b>2013:15</b>	<b>2066:15</b>	<b>15489:15</b>
JUL.	00:00	473:00	427:05	744:00	674:40	744:00	709:50	744:00	680:50	5197:25
AUG.	00:00	00:00	647:45	744:00	744:00	744:00	744:00	744:00	744:00	5111:45
SEP.	00:00	00:00	720:00	720:00	720:00	648:50	620:47	720:00	720:00	4869:37
<b>2ND QTR.</b>	<b>00:00</b>	<b>473:00</b>	<b>1794:50</b>	<b>2208:00</b>	<b>2138:40</b>	<b>2136:50</b>	<b>2074:37</b>	<b>2208:00</b>	<b>2144:50</b>	<b>15178:47</b>
OCT.	00:00	369:55	744:00	744:00	744:00	744:00	726:30	70:00	736:50	4879:15
NOV.	00:00	582:10	720:00	720:00	720:00	720:00	720:00	706:40	57:00	4945:50
DEC.	00:00	744:00	744:00	744:00	640:05	744:00	744:00	744:00	00:00	5104:05
<b>3RD QTR.</b>	<b>00:00</b>	<b>1696:05</b>	<b>2208:00</b>	<b>2208:00</b>	<b>2104:05</b>	<b>2208:00</b>	<b>2190:30</b>	<b>1520:40</b>	<b>793:50</b>	<b>14929:10</b>
JAN.'20	00:00	652:40	744:00	637:05	744:00	744:00	744:00	362:00	393:55	5021:40
FEB.	00:00	621:40	696:00	696:00	696:00	696:00	696:00	00:00	696:00	4797:40
MAR.	00:00	534:45	744:00	744:00	744:00	600:35	573:25	301:20	744:00	4986:05
<b>4TH QTR.</b>	<b>00:00</b>	<b>1809:05</b>	<b>2184:00</b>	<b>2077:05</b>	<b>2184:00</b>	<b>2040:35</b>	<b>2013:25</b>	<b>663:20</b>	<b>1833:55</b>	<b>14805:25</b>
<b>2019-20</b>	<b>00:00</b>	<b>6162:10</b>	<b>8370:50</b>	<b>8632:05</b>	<b>7293:15</b>	<b>8370:00</b>	<b>8330:12</b>	<b>6405:15</b>	<b>6838:50</b>	<b>60402:37</b>
2018-19	00:00	5102:30	7589:37	7830:48	6850:45	7772:00	8351:30	7470:40	4507:25	55475:15
2017-18	00:00	4907:50	7453:15	5733:37	7930:28	8464:30	7275:15	8289:45	7292:40	57347:20
2016-17	1308:05	6980:20	6558:39	7790:45	8370:40	8519:45	8695:05	7340:30	7828:00	63391:49
2015-16	534:45	4774:05	6904:40	8402:14	8521:54	8028:00	8541:40	8501:50	8113:42	62322:50

**टर्बो जेनरेटरों की कार्यकारी अवधि**  
**WORKING HOURS OF TURBO GENERATORS**

POWER PLANT

Unit- Hrs.:Mts.

Table No. 16.9

PERIOD	WORKING HOURS							Total
	T.G.-I	T.G.-II	T.G.-III	T.G.-VI	T.G.-VII	T.G.-VIII	T.G.-IX	
APR.'19	200:30	720:00	275:30	720:00	687:40	720:00	720:00	4043:40
MAY	744:00	527:45	590:10	503:40	744:00	744:00	744:00	4597:35
JUN	720:00	720:00	720:00	720:00	686:25	507:40	720:00	4794:05
<b>1ST QTR.</b>	<b>1664:30</b>	<b>1967:45</b>	<b>1585:40</b>	<b>1943:40</b>	<b>2118:05</b>	<b>1971:40</b>	<b>2184:00</b>	<b>13435:20</b>
JUL.	744:00	744:00	744:00	726:40	744:00	744:00	732:40	5179:20
AUG.	744:00	744:00	714:35	744:00	744:00	736:45	744:00	5171:20
SEP.	720:00	720:00	687:10	720:00	720:00	720:00	720:00	5007:10
<b>2ND QTR.</b>	<b>2208:00</b>	<b>2208:00</b>	<b>2145:45</b>	<b>2190:40</b>	<b>2208:00</b>	<b>2200:45</b>	<b>2196:40</b>	<b>15357:50</b>
OCT.	744:00	744:00	744:00	744:00	744:00	668:15	744:00	5132:15
NOV.	720:00	720:00	703:55	720:00	720:00	00:00	716:45	4300:40
DEC.	744:00	744:00	744:00	744:00	744:00	00:00	744:00	4464:00
<b>3RD QTR.</b>	<b>2208:00</b>	<b>2208:00</b>	<b>2191:55</b>	<b>2208:00</b>	<b>2208:00</b>	<b>668:15</b>	<b>2204:45</b>	<b>13896:55</b>
JAN.'20	744:00	744:00	744:00	744:00	744:00	09:50	744:00	4473:50
FEB.	696:00	696:00	696:00	578:40	251:40	696:00	696:00	4310:20
MAR.	744:00	744:00	744:00	744:00	366:30	711:22	744:00	4797:52
<b>4TH QTR.</b>	<b>2184:00</b>	<b>2184:00</b>	<b>2184:00</b>	<b>2066:40</b>	<b>1362:10</b>	<b>1417:12</b>	<b>2184:00</b>	<b>13582:02</b>
<b>2019-20</b>	<b>8264:30</b>	<b>8567:45</b>	<b>8107:20</b>	<b>8409:00</b>	<b>7896:15</b>	<b>6257:52</b>	<b>8769:25</b>	<b>56272:07</b>
2018-19	6556:20	8571:20	8480:54	7345:40	6819:00	7636:58	8258:50	53669:02
2017-18	8505:20	8533:00	8442:40	6774:55	7674:37	8157:55	8720:34	56809:01
2016-17	8760:00	747:10	8745:15	8344:05	8589:25	8598:05	8731:21	52515:21
2015-16	8698:45	4312:40	8400:05	8519:20	7184:00	8507:45	8422:47	54045:22

रासायनिक जल परिचाराण अंयंत्र  
CHEMICAL WATER TREATMENT PLANT

POWER PLANT			Unit - m <sup>3</sup>			Table No. 16.10(Contd.)
PERIOD	PRODUCTION OF CHEMICAL WATER		DISTRIBUTION OF CHEMICAL WATER			
	D.M.Water	Na Cation Water	D.M.Water	Na -Cation Water		TOTAL
				S.M.S	R.M.P & Acid Plant	
APR.'19	189293	135975	189293	94625	41350	135975
MAY	185425	140800	185425	97170	43630	140800
JUN	185115	131700	185115	90180	41520	131700
<b>1ST QTR.</b>	<b>559833</b>	<b>408475</b>	<b>559833</b>	<b>281975</b>	<b>126500</b>	<b>408475</b>
JUL.	184984	133955	184984	92350	41605	133955
AUG.	195254	138373	195254	95790	42583	138373
SEP.	189150	123205	189150	84095	39110	123205
<b>2ND QTR.</b>	<b>569388</b>	<b>395533</b>	<b>569388</b>	<b>272235</b>	<b>123298</b>	<b>395533</b>
OCT.	189530	140740	189530	97540	43200	140740
NOV.	168261	117475	168261	83415	34060	117475
DEC.	174075	114444	174075	82199	32245	114444
<b>3RD QTR.</b>	<b>531866</b>	<b>372659</b>	<b>531866</b>	<b>263154</b>	<b>109505</b>	<b>372659</b>
JAN.'20	181490	131195	181490	94735	36460	131195
FEB.	169350	118989	169350	82130	36859	118989
MAR.	177195	132905	177195	95765	37140	132905
<b>4TH QTR.</b>	<b>528035</b>	<b>383089</b>	<b>528035</b>	<b>272630</b>	<b>110459</b>	<b>383089</b>
<b>2019-20</b>	<b>2189122</b>	<b>1559756</b>	<b>2189122</b>	<b>1089994</b>	<b>469762</b>	<b>1559756</b>
2018-19	2214530	1663473	2214530	1114751	548722	1663473
2017-18	2314544	1898945	2314544	1259971	638974	1898945
2016-17	2225622	1724809	2225622	1030114	694695	1724809
2015-16	2596006	2419146	2596006	1540866	878280	2419146



**रासायनिक जल परिचररण ढंयंत्र**  
**CHEMICAL WATER TREATMENT PLANT**

POWER PLANT

Table No. 16.10

PERIOD	CONSUMPTION OF CHEMICALS FOR												
	DM Water						Na-Cation Water						
	Sulphuric Acid (t)	Caustic Soda Flakes (t)	Soda Lye (t)	Hydrazine Hydrate (Kg)	Tri-Sodium Phosphate (t)	Alum (t)	Liquid Ammonia (Lit.)	Soda Ash (T)	Cation Resin (KI)	Anion Resin (KI)	Common Salt (t)	Alum (t)	Cation Resin (KI)
APR.'19	134.7	109.0	1.5	400.0	3.0	5.8	1500.0	3.0	0.4	4.6	89.0	4.2	0.0
MAY	130.6	81.0	15.3	465.0	3.1	5.7	1200.0	9.7	0.0	0.0	95.0	4.3	0.0
JUN	130.0	78.0	10.0	450.0	3.0	6.4	1500.0	13.1	0.2	0.0	95.0	4.6	0.0
<b>1ST QTR.</b>	<b>395.4</b>	<b>268.0</b>	<b>26.8</b>	<b>1315.0</b>	<b>9.1</b>	<b>17.9</b>	<b>4200.0</b>	<b>25.8</b>	<b>0.6</b>	<b>4.6</b>	<b>279.0</b>	<b>13.1</b>	<b>0.0</b>
JUL.	140.8	62.0	32.0	465.0	3.1	7.5	1550.0	12.3	1.7	0.0	105.0	5.5	2.5
AUG.	159.3	77.0	22.3	465.0	3.1	9.1	1550.0	12.3	0.7	0.0	84.0	6.4	0.0
SEP.	149.5	54.3	46.2	450.0	3.0	9.1	1500.0	12.0	0.0	0.0	64.0	5.9	0.0
<b>2ND QTR.</b>	<b>449.5</b>	<b>193.3</b>	<b>100.5</b>	<b>1380.0</b>	<b>9.2</b>	<b>25.7</b>	<b>4600.0</b>	<b>36.6</b>	<b>2.4</b>	<b>0.0</b>	<b>253.0</b>	<b>17.9</b>	<b>2.5</b>
OCT.	133.2	90.0	15.9	465.0	3.1	8.9	1300.0	12.5	0.0	0.0	70.6	6.6	0.0
NOV.	108.8	66.0	41.6	450.0	3.0	8.0	1300.0	14.8	0.0	0.0	76.0	6.0	1.0
DEC.	111.8	66.0	54.3	465.0	3.1	7.6	1250.0	15.5	0.4	0.0	79.0	4.9	1.4
<b>3RD QTR.</b>	<b>353.8</b>	<b>222.0</b>	<b>111.8</b>	<b>1380.0</b>	<b>9.2</b>	<b>24.5</b>	<b>3850.0</b>	<b>42.8</b>	<b>0.4</b>	<b>0.0</b>	<b>225.6</b>	<b>17.5</b>	<b>2.4</b>
JAN.'20	90.8	66.0	52.8	465.0	4.7	7.2	1270.0	10.0	0.0	0.0	75.0	5.2	0.0
FEB.	98.7	66.0	47.3	450.0	4.4	6.8	1030.0	5.9	0.1	1.1	91.0	4.8	0.9
MAR.	143.4	77.0	47.0	615.0	4.7	7.4	850.0	6.2	0.3	0.1	162.0	5.0	0.3
<b>4TH QTR.</b>	<b>332.9</b>	<b>209.0</b>	<b>147.1</b>	<b>1530.0</b>	<b>13.7</b>	<b>21.4</b>	<b>3150.0</b>	<b>22.1</b>	<b>0.4</b>	<b>1.2</b>	<b>328.0</b>	<b>15.0</b>	<b>1.2</b>
<b>2019-20</b>	<b>1531.5</b>	<b>892.3</b>	<b>386.2</b>	<b>5605.0</b>	<b>41.2</b>	<b>89.5</b>	<b>15800.0</b>	<b>127.3</b>	<b>3.7</b>	<b>5.8</b>	<b>1085.6</b>	<b>63.4</b>	<b>6.1</b>
2018-19	1393.2	1158.0	11.0	3710.0	39.0	128.1	19630.0	51.4	7.2	13.2	935.5	96.1	3.1
2017-18	1152.9	974.2	132.1	5855.0	54.8	136.7	12210.0	98.0	2.5	8.7	871.0	99.8	4.7
2016-17	1119.3	818.7	308.0	5220.0	51.8	107.1	12000.0	23.3	6.5	8.6	919.6	93.3	6.3
2015-16	1418.5	1082.2	296.1	4262.7	50.3	114.6	11960.0	31.0	6.9	17.5	1177.0	104.6	12.6

**ऑयलरो में भामखी एवं ईधन की खपत**  
**CONSUMPTION OF SERVICES AT TPP & CPP**

**POWER PLANT**

Table No. 16.11

PERIOD	TOTAL CONSUMPTION						CONSUMPTION PER TONNE OF STEAM PRODUCTION						
	Electricity( MWH)		Water (10 <sup>3</sup> m <sup>3</sup> )		C.O.Gas (10 <sup>3</sup> m <sup>3</sup> )	B.F.Gas (10 <sup>3</sup> m <sup>3</sup> )	Electricity(KWH)		Water (m <sup>3</sup> )		CO Gas ( m <sup>3</sup> )	BF Gas ( m <sup>3</sup> )	Heat (10 <sup>6</sup> Kcal)
	T.P.P.	C.P.P.	T.P.P.	C.P.P.			T.P.P.	C.P.P.	T.P.P.	C.P.P.			
APR.'19	9795.0	15752.9	37788	1792	9572	176483	31.3	36.3	120.9	4.1	10.5	193.7	0.832
MAY	9950.0	16659.9	39003	1856	15344	171947	29.5	33.3	115.7	3.7	15.3	172.0	0.822
JUN	10732.0	16059.2	37795	1734	12673	192277	26.5	34.3	93.4	3.7	12.0	181.6	0.794
<b>1ST QTR.</b>	<b>30477.0</b>	<b>48472.0</b>	<b>114586</b>	<b>5382</b>	<b>37589</b>	<b>540707</b>	<b>28.9</b>	<b>34.5</b>	<b>108.7</b>	<b>3.8</b>	<b>12.7</b>	<b>182.1</b>	<b>0.816</b>
JUL.	10409.0	17101.1	39003	1854	17015	185150	28.5	33.4	106.8	3.6	16.3	176.8	0.829
AUG.	10000.0	17512.2	39001	1854	17876	155316	30.4	33.8	118.5	3.6	17.5	151.9	0.830
SEP.	9452.0	15982.5	37825	1754	19461	170623	28.5	35.6	114.1	3.9	20.5	180.0	0.842
<b>2ND QTR.</b>	<b>29861.0</b>	<b>50595.8</b>	<b>115829</b>	<b>5462</b>	<b>54352</b>	<b>511089</b>	<b>29.1</b>	<b>34.2</b>	<b>112.9</b>	<b>3.7</b>	<b>18.0</b>	<b>169.4</b>	<b>0.834</b>
OCT.	10334.0	14327.9	39096	1858	18307	161853	27.3	43.7	103.2	5.7	21.1	186.1	0.789
NOV.	10525.0	12320.3	37752	1765	18776	177327	27.7	27.9	99.5	4.0	22.5	212.7	0.795
DEC.	11027.0	11880.9	39072	1855	23378	179523	29.7	26.2	105.3	4.1	28.3	217.6	0.820
<b>3RD QTR.</b>	<b>31886.0</b>	<b>38529.1</b>	<b>115920</b>	<b>5478</b>	<b>60461</b>	<b>518703</b>	<b>28.2</b>	<b>31.5</b>	<b>102.7</b>	<b>4.5</b>	<b>23.9</b>	<b>205.1</b>	<b>0.801</b>
JAN.'20	10732.0	12379.1	39054	1857	25696	184945	30.2	32.2	109.9	4.8	30.6	220.4	0.816
FEB.	10289.0	12216.1	36304	1705	22013	177048	31.0	43.9	109.4	6.1	28.2	227.1	0.796
MAR.	10825.0	13565.1	39035	1856	22235	170157	30.6	45.2	110.5	6.2	27.0	206.3	0.810
<b>4TH QTR.</b>	<b>31846.0</b>	<b>38160.3</b>	<b>114393</b>	<b>5418</b>	<b>69944</b>	<b>532150</b>	<b>30.6</b>	<b>39.7</b>	<b>109.9</b>	<b>5.6</b>	<b>28.6</b>	<b>217.8</b>	<b>0.807</b>
<b>2019-20</b>	<b>124070.0</b>	<b>175757.2</b>	<b>460728</b>	<b>21740</b>	<b>222346</b>	<b>2102649</b>	<b>29.2</b>	<b>34.7</b>	<b>108.4</b>	<b>4.3</b>	<b>20.3</b>	<b>191.9</b>	<b>0.814</b>
2018-19	121740.0	160005.0	459127	21585	37740	2124563	33.9	30.5	128.0	4.1	3.8	213.9	0.828
2017-18	122844.0	169213.2	480455	21134	43043	1661572	36.7	31.6	143.7	3.9	4.1	159.5	0.844
2016-17	133618.0	187164.1	484036	18844	66285	1879105	31.2	33.7	113.1	3.4	5.7	160.3	0.835
2015-16	131751.0	188593.1	569292	21798	141848	2052444	29.0	34.4	125.1	4.0	11.9	172.3	0.843

**WATER MANAGEMENT**

प्रक्रिया जल आपूर्ति (पुनःशुद्धीकरण)  
PROCESS WATER SUPPLY ( RECIRCULATED )

## WATER MANAGEMENT

Unit - 10<sup>3</sup>m<sup>3</sup>

Table No.17.1(Contd.)

PERIOD	C.O.& B.P.P.	S.P.	B.F.	G.C.P. of B.F.	P.C.M.	T.P.P. & T.B.S.			C.P.P	C.C.P	Oxygen Plant
						T.G.	T.C.	T.B.			
APR'19	144	3600	13532	2518	982	12954	8994	15840	1792	3600	3024
MAY	148	3719	13948	2603	967	13351	9288	16364	1856	3718	3123
JUN	144	3600	13532	2528	953	12958	8998	15839	1734	3596	3016
<b>1ST QTR.</b>	<b>436</b>	<b>10919</b>	<b>41012</b>	<b>7649</b>	<b>2902</b>	<b>39263</b>	<b>27280</b>	<b>48043</b>	<b>5382</b>	<b>10914</b>	<b>9163</b>
JUL	146	3711	13912	2602	955	13360	9280	16363	1854	3717	3115
AUG	148	3716	13850	2595	886	13345	9290	16366	1854	3715	3119
SEP	142	3580	13445	2535	945	12980	8990	15855	1754	3578	3024
<b>2ND QTR.</b>	<b>436</b>	<b>11007</b>	<b>41207</b>	<b>7732</b>	<b>2786</b>	<b>39685</b>	<b>27560</b>	<b>48584</b>	<b>5462</b>	<b>11010</b>	<b>9258</b>
OCT	149	3718	13931	2570	980	13376	9350	16370	1858	3714	3122
NOV	140	3574	13465	2518	943	12960	8977	15815	1765	3557	3021
DEC	145	3650	13911	2565	952	13390	9315	16367	1855	3695	3105
<b>3RD QTR.</b>	<b>434</b>	<b>10942</b>	<b>41307</b>	<b>7653</b>	<b>2875</b>	<b>39726</b>	<b>27642</b>	<b>48552</b>	<b>5478</b>	<b>10966</b>	<b>9248</b>
JAN'20	147	3640	13814	2541	942	13387	9299	16368	1857	3650	3122
FEB	134	3440	12990	2410	970	12330	8674	15300	1705	3410	2890
MAR	149	3660	13820	2590	955	13390	9290	16355	1856	3710	3124
<b>4TH QTR</b>	<b>430</b>	<b>10740</b>	<b>40624</b>	<b>7541</b>	<b>2867</b>	<b>39107</b>	<b>27263</b>	<b>48023</b>	<b>5418</b>	<b>10770</b>	<b>9136</b>
<b>2019-20</b>	<b>1736</b>	<b>43608</b>	<b>164150</b>	<b>30575</b>	<b>11430</b>	<b>157781</b>	<b>109745</b>	<b>193202</b>	<b>21740</b>	<b>43660</b>	<b>36805</b>
2018-19	1726	43768	156591	30637	11206	157213	109373	192541	21585	43776	36735
2017-18	1715	43848	122625	30641	10663	158484	114182	207789	21134	43974	37185
2016-17	1644	42181	121850	32130	10839	145422	120880	217734	18844	48371	41600
2015-16	1708	43003	121984	34367	11411	166118	140178	262996	21798	50514	42485

**प्रकिया जल आपूर्ति (पुनःअंचरण)**  
**PROCESS WATER SUPPLY ( RECIRCULATED )**

**WATER MANAGEMENT**

Unit - 10<sup>3</sup>m<sup>3</sup>

Table No.17.1

PERIOD	R.M. & M.H.P.	R.M.P	SMS - I	SMS - II	C.C.D	SI.Mill	H.S.M.	H.R.C.F.	C.R.M. I & II	C.R.M. III	Gas Booster Station	S.F.	I.M.F.	I.C.F.	Mech. Shops.	Acid Plant
APR'19	214	358	3238	1440	4319	1870	15838	143	3023	144	358	432	358	212	141	288
MAY	223	366	3348	1486	4463	1935	16366	145	3121	147	363	442	368	219	146	297
JUN	216	357	3240	1440	4320	1872	15840	144	3024	143	360	432	352	214	142	288
<b>1ST QTR.</b>	<b>653</b>	<b>1081</b>	<b>9826</b>	<b>4366</b>	<b>13102</b>	<b>5677</b>	<b>48044</b>	<b>432</b>	<b>9168</b>	<b>434</b>	<b>1081</b>	<b>1306</b>	<b>1078</b>	<b>645</b>	<b>429</b>	<b>873</b>
JUL	222	365	3334	1462	4461	1932	16360	147	3120	146	366	444	370	221	145	295
AUG	220	368	3338	1458	4463	1880	16352	144	3117	144	365	442	368	220	147	296
SEP	220	354	3217	1436	4329	1880	15838	142	3020	148	354	428	355	230	154	289
<b>2ND QTR.</b>	<b>662</b>	<b>1087</b>	<b>9889</b>	<b>4356</b>	<b>13253</b>	<b>5692</b>	<b>48550</b>	<b>433</b>	<b>9257</b>	<b>438</b>	<b>1085</b>	<b>1314</b>	<b>1093</b>	<b>671</b>	<b>446</b>	<b>880</b>
OCT	222	367	3342	1465	4390	1853	16367	147	3122	145	364	441	365	222	149	295
NOV	215	346	3210	1432	4318	1861	15818	141	3021	144	350	415	351	224	141	287
DEC	215	350	3310	1445	4345	1862	16360	149	3119	146	355	425	355	221	145	292
<b>3RD QTR.</b>	<b>652</b>	<b>1063</b>	<b>9862</b>	<b>4342</b>	<b>13053</b>	<b>5576</b>	<b>48545</b>	<b>437</b>	<b>9262</b>	<b>435</b>	<b>1069</b>	<b>1281</b>	<b>1071</b>	<b>667</b>	<b>435</b>	<b>874</b>
JAN'20	212	356	3315	1438	4330	1840	16320	145	3110	142	360	416	360	218	144	289
FEB	205	342	3105	1372	4131	1807	15105	134	2892	134	342	412	342	205	134	273
MAR	222	367	3340	1460	4410	1910	16350	147	3120	141	368	430	372	220	142	290
<b>4TH QTR</b>	<b>639</b>	<b>1065</b>	<b>9760</b>	<b>4270</b>	<b>12871</b>	<b>5557</b>	<b>47775</b>	<b>426</b>	<b>9122</b>	<b>417</b>	<b>1070</b>	<b>1258</b>	<b>1074</b>	<b>643</b>	<b>420</b>	<b>852</b>
<b>2019-20</b>	<b>2606</b>	<b>4296</b>	<b>39337</b>	<b>17334</b>	<b>52279</b>	<b>22502</b>	<b>192914</b>	<b>1728</b>	<b>36809</b>	<b>1724</b>	<b>4305</b>	<b>5159</b>	<b>4316</b>	<b>2626</b>	<b>1730</b>	<b>3479</b>
2018-19	2609	4312	39332	17324	52537	22688	192012	1706	36610	1716	4264	5178	4228	2584	1707	3475
2017-18	2590	4281	38682	17267	55606	23423	185754	1703	36513	1700	4223	5090	4195	2561	1693	3436
2016-17	2417	3987	33321	16978	58687	28970	155756	1676	93718	1358	3991	4720	3938	2382	1628	3161
2015-16	2589	4247	37252	16828	59855	37878	158487	1674	123832	0	4158	5051	4219	2545	1676	3413



## WATER MANAGEMENT

Unit - 10<sup>3</sup>m<sup>3</sup>

Table No.17.2

PERIOD	MAKE-UP WATER ( NOT RECIRCULATED )									Fresh Water Received	Specific Water Conspn. (m <sup>3</sup> /tcs)
	WCTP	C.O. & B.P.P	Township Treatment Plant	S.G.P.	Sec-9 Treat. Plant	Works Treat. Plant	Cont. Casting Shops	For Const- ruction	Oxygen Plant		
APR'19	648	1791	2518	107	143	1725	502	35.8	41.0	11971	3.46
MAY	669	1857	2604	111	146	1785	518	42.7	47.3	12348	3.48
JUN	646	1800	2520	108	144	1726	504	39.5	41.5	12065	3.46
<b>1ST QTR.</b>	<b>1963</b>	<b>5448</b>	<b>7642</b>	<b>326</b>	<b>433</b>	<b>5236</b>	<b>1524</b>	<b>118.0</b>	<b>129.8</b>	<b>36384</b>	<b>3.47</b>
JUL	668	1859	2600	110	147	1784	517	42.8	36.9	10958	3.48
AUG	665	1858	2602	109	145	1782	519	36.2	36.1	11501	3.45
SEP	642	1804	2633	120	142	1680	515	41.2	33.2	10162	3.44
<b>2ND QTR.</b>	<b>1975</b>	<b>5521</b>	<b>7835</b>	<b>339</b>	<b>434</b>	<b>5246</b>	<b>1551</b>	<b>120.2</b>	<b>106.2</b>	<b>32621</b>	<b>3.46</b>
OCT	668	1855	2740	110	149	1750	518	52.4	34.8	10594	3.42
NOV	668	1835	2748	118	164	1765	514	62.3	34.1	11806	3.42
DEC	671	1861	2794	121	170	1770	520	83.4	31.4	11746	3.42
<b>3RD QTR.</b>	<b>2007</b>	<b>5551</b>	<b>8282</b>	<b>349</b>	<b>483</b>	<b>5285</b>	<b>1552</b>	<b>198.1</b>	<b>100.3</b>	<b>34145</b>	<b>3.42</b>
JAN'20	675	1860	2790	130	178	1781	519	90.0	32.5	11858	3.43
FEB	624	1710	2610	103	167	1666	479	71.0	32.8	10426	3.41
MAR	665	1858	2785	110	170	1778	516	78.0	37.6	11479	3.44
<b>4TH QTR</b>	<b>1964</b>	<b>5428</b>	<b>8185</b>	<b>343</b>	<b>515</b>	<b>5225</b>	<b>1514</b>	<b>239.0</b>	<b>102.9</b>	<b>33763</b>	<b>3.43</b>
<b>2019-20</b>	<b>7909</b>	<b>21948</b>	<b>31944</b>	<b>1357</b>	<b>1865</b>	<b>20992</b>	<b>6141</b>	<b>675.3</b>	<b>439.2</b>	<b>136913</b>	<b>3.44</b>
2018-19	7863	21730	30965	1292	1762	20988	6100	429.7	455.5	136361	3.50
2017-18	7793	21638	30652	1478	3701	20713	6097	431.9	455.9	136008	3.94
2016-17	7822	19743	37019	1174	4167	20786	5995	424.9	467.8	136388	4.15
2015-16	7862	21740	42265	1291	7438	20941	6099	449.3	478.7	149082	4.21

## GAS UTILITIES

ऑक्सीजन का उत्पादन  
PRODUCTION OF OXYGEN



OXYGEN PLANT	Unit - 10 <sup>3</sup> m <sup>3</sup>															Table No. 18.1	
	AMOUNT OF AIR PROCESSED						PRODUCTION OF OXYGEN						LOX- EVAP.	TOTAL			
	PERIOD	ASU-I	ASU-II	ASU-III	ASU-IV	ASU-V	Total	ASU-I	ASU-II	ASU-III	ASU-IV	ASU-V			Total	BOO	TOTAL
APR.'19	0	0	50400	51120	52200	153720	0	0	5965	5499	6130	17594	25923	43517	381	43898	
MAY	0	0	50400	49416	54000	153816	0	0	5682	4589	6019	16290	26046	42336	370	42706	
JUN	0	0	50400	47712	52200	150312	0	0	5615	4938	6483	17036	25753	42789	645	43434	
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>151200</b>	<b>148248</b>	<b>158400</b>	<b>457848</b>	<b>0</b>	<b>0</b>	<b>17262</b>	<b>15026</b>	<b>18632</b>	<b>50920</b>	<b>77722</b>	<b>128642</b>	<b>1396</b>	<b>130038</b>	
JUL.	0	0	52080	52824	55800	160704	0	0	5125	5446	7252	17823	26294	44117	317	44434	
AUG.	0	0	47040	47712	55800	150552	0	0	4400	4066	6682	15148	25173	40321	79	40400	
SEP.	0	0	50400	47712	54000	152112	0	0	4914	4743	6274	15931	25188	41119	153	41272	
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>149520</b>	<b>148248</b>	<b>165600</b>	<b>463368</b>	<b>0</b>	<b>0</b>	<b>14439</b>	<b>14255</b>	<b>20208</b>	<b>48902</b>	<b>76655</b>	<b>125557</b>	<b>549</b>	<b>126106</b>	
OCT.	0	0	52080	51120	55800	159000	0	0	5414	4725	6291	16430	25899	42329	80	42409	
NOV.	0	0	50400	47712	54000	152112	0	0	5394	4133	5957	15484	24934	40418	62	40480	
DEC.	0	0	48720	49416	52200	150336	0	0	5739	4088	6348	16175	26008	42183	23	42206	
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>151200</b>	<b>148248</b>	<b>162000</b>	<b>461448</b>	<b>0</b>	<b>0</b>	<b>16547</b>	<b>12946</b>	<b>18596</b>	<b>48089</b>	<b>76841</b>	<b>124930</b>	<b>165</b>	<b>125095</b>	
JAN.'20	0	0	52080	51120	55810	159010	0	0	5991	5217	6861	18069	26163	44232	62	44294	
FEB.	0	0	40320	22152	48600	111072	0	0	4448	2047	6062	12557	23090	35647	27	35674	
MAR.	0	0	50400	0	55800	106200	0	0	5267	0	6382	11649	24781	36430	40	36470	
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>142800</b>	<b>73272</b>	<b>160210</b>	<b>376282</b>	<b>0</b>	<b>0</b>	<b>15706</b>	<b>7264</b>	<b>19305</b>	<b>42275</b>	<b>74034</b>	<b>116309</b>	<b>129</b>	<b>116438</b>	
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>594720</b>	<b>518016</b>	<b>646210</b>	<b>1758946</b>	<b>0</b>	<b>0</b>	<b>63954</b>	<b>49491</b>	<b>76741</b>	<b>190186</b>	<b>305252</b>	<b>495438</b>	<b>2239</b>	<b>497677</b>	
2018-19	0	0	601440	604920	613800	1820160	0	0	65006	56608	65755	187369	302832	490201	2333	492534	
2017-18	0	0	604800	610032	343800	1558632	0	0	80399	70398	39036	189833	310917	500750	2516	503266	
2016-17	0	0	532560	615144	50400	1198104	0	0	67698	65722	6508	139928	309257	449185	2528	451713	
2015-16	0	0	448152	410928	532570	1391650	0	0	60258	49602	71972	181832	300504	482336	1474	483810	



ऑक्सीजन एवं नाइट्रोजन का उत्पादन  
PRODUCTION OF OXYGEN AND NITROGEN

OXYGEN PLANT

Table No. 18.2

PERIOD	PRODUCTION OF OXYGEN (TONNE)						LOX- BOO	EVAP.	Total	PRODUCTION OF NITROGEN (10 <sup>3</sup> m <sup>3</sup> )						
	ASU-I	ASU-II	ASU-III	ASU-IV	ASU-V	Total				ASU-I	ASU-II	ASU-III	ASU-IV	ASU-V	Total	BOO
APR.'19	0	0	8522	7855	8757	25134	37033	545	62712	0	0	2063	2880	5760	10703	32260
MAY	0	0	8117	6555	8599	23271	37209	529	61009	0	0	2976	2903	5952	11831	32919
JUN	0	0	8022	7054	9261	24337	36790	922	62049	0	0	2420	2880	5760	11060	32625
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>24661</b>	<b>21464</b>	<b>26617</b>	<b>72742</b>	<b>111032</b>	<b>1996</b>	<b>185770</b>	<b>0</b>	<b>0</b>	<b>7459</b>	<b>8663</b>	<b>17472</b>	<b>33594</b>	<b>97804</b>
JUL.	0	0	7322	7780	10360	25462	37563	453	63478	0	0	2536	2976	5952	11464	32091
AUG.	0	0	6285	5808	9545	21638	35962	113	57713	0	0	2232	2245	5952	10429	31263
SEP.	0	0	7020	6775	8963	22758	35982	218	58958	0	0	2424	2880	5040	10344	29931
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>20627</b>	<b>20363</b>	<b>28868</b>	<b>69858</b>	<b>109507</b>	<b>784</b>	<b>180149</b>	<b>0</b>	<b>0</b>	<b>7192</b>	<b>8101</b>	<b>16944</b>	<b>32237</b>	<b>93285</b>
OCT.	0	0	7734	6750	8987	23471	36999	114	60584	0	0	2253	2604	5580	10437	31752
NOV.	0	0	7706	5904	8510	22120	35619	88	57827	0	0	2520	3078	5040	10638	31530
DEC.	0	0	8198	5840	9068	23106	37154	33	60293	0	0	2688	2827	5580	11095	31987
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>23638</b>	<b>18494</b>	<b>26565</b>	<b>68697</b>	<b>109772</b>	<b>235</b>	<b>178704</b>	<b>0</b>	<b>0</b>	<b>7461</b>	<b>8509</b>	<b>16200</b>	<b>32170</b>	<b>95269</b>
JAN.'20	0	0	8558	7453	9802	25813	37377	89	63279	0	0	2976	2647	6324	11947	32227
FEB.	0	0	6354	2924	8660	17938	32985	38	50961	0	0	2784	1612	6960	11356	30817
MAR.	0	0	7524	0	9117	16641	35402	57	52100	0	0	3700	0	7440	11140	33345
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>22436</b>	<b>10377</b>	<b>27579</b>	<b>60392</b>	<b>105764</b>	<b>184</b>	<b>166340</b>	<b>0</b>	<b>0</b>	<b>9460</b>	<b>4259</b>	<b>20724</b>	<b>34443</b>	<b>96389</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>91362</b>	<b>70698</b>	<b>109629</b>	<b>271689</b>	<b>436075</b>	<b>3199</b>	<b>710963</b>	<b>0</b>	<b>0</b>	<b>31572</b>	<b>29532</b>	<b>71340</b>	<b>132444</b>	<b>382747</b>
2018-19	0	0	92863	80868	93935	267666	432613	3332	703611	0	0	34972	32430	62266	129668	393988
2017-18	0	0	114854	100569	55765	271188	444167	3596	718951	0	0	46028	38842	29685	114555	375644
2016-17	0	0	96709	93888	9297	199894	441797	3614	645305	0	0	32341	33560	4728	70629	344551
2015-16	0	0	86084	70860	102816	259760	429292	2109	691161	0	0	21791	19249	55696	96736	324071

वितरण, शुद्धता, लब्धि एवं खपत  
DISTRIBUTION,PURITY, YIELD AND CONSUMPTION

## OXYGEN PLANT

Table No. 18.3

PERIOD	DISTRIBUTION OF OXYGEN (10 <sup>3</sup> m <sup>3</sup> )									PURITY OF OXYGEN(%)		Yield from Air Proce-ssed(%)		Consumption of Services	
	SMS-I	SMS-II	Auto Genous	Scar-fing	B.F. Stores	System Loss	Act. Vent. Atm.	Total	At Oxygen Plant	At BOO Plant	Oxy-gen	Nitr-ogen	Water (10 <sup>3</sup> m <sup>3</sup> )	Elect-ricity (MWH)	
APR.'19	3722	18375	3586	772	15842	26	528	1047	43898	99.2 to 99.4	99.9	11.4	7.0	3024	13217.6
MAY	4898	16896	3729	996	13094	23	490	2580	42706	99.2 to 99.4	99.9	10.6	7.7	3123	14005.1
JUN	4096	17809	3638	806	14718	20	514	1833	43434	99.2 to 99.4	99.9	11.3	7.4	3016	14008.0
<b>1ST QTR.</b>	<b>12716</b>	<b>53080</b>	<b>10953</b>	<b>2574</b>	<b>43654</b>	<b>69</b>	<b>1532</b>	<b>5460</b>	<b>130038</b>	<b>99.2 to 99.4</b>	<b>99.9</b>	<b>11.1</b>	<b>7.3</b>	<b>9163</b>	<b>41230.7</b>
JUL.	3686	19018	3784	810	15150	22	536	1428	44434	99.2 to 99.4	99.9	11.1	7.1	3115	14258.9
AUG.	4409	15520	3768	812	12649	23	452	2767	40400	99.2 to 99.4	99.9	10.1	6.9	3119	13279.5
SEP.	1674	16951	3643	750	16054	20	477	1703	41272	99.2 to 99.4	99.9	10.5	6.8	3024	13257.0
<b>2ND QTR.</b>	<b>9769</b>	<b>51489</b>	<b>11195</b>	<b>2372</b>	<b>43853</b>	<b>65</b>	<b>1465</b>	<b>5898</b>	<b>126106</b>	<b>99.2 to 99.4</b>	<b>99.9</b>	<b>10.6</b>	<b>7.0</b>	<b>9258</b>	<b>40795.4</b>
OCT.	1956	17443	3752	680	15969	22	494	2093	42409	99.2 to 99.4	99.9	10.3	6.6	3122	13610.5
NOV.	715	17609	3710	547	15696	23	465	1715	40480	99.2 to 99.4	99.9	10.2	7.0	3021	13135.8
DEC.	598	18668	3850	628	17108	23	486	845	42206	99.2 to 99.4	99.9	10.8	7.4	3105	13897.9
<b>3RD QTR.</b>	<b>3269</b>	<b>53720</b>	<b>11312</b>	<b>1855</b>	<b>48773</b>	<b>68</b>	<b>1445</b>	<b>4653</b>	<b>125095</b>	<b>99.2 to 99.4</b>	<b>99.9</b>	<b>10.4</b>	<b>7.0</b>	<b>9248</b>	<b>40644.2</b>
JAN.'20	2555	18887	3760	663	15875	25	542	1987	44294	99.2 to 99.4	99.9	11.4	7.5	3122	14467.6
FEB.	3140	18272	3414	543	7378	26	377	2524	35674	99.2 to 99.4	99.9	11.3	10.2	2890	12623.2
MAR.	3445	18246	3800	669	6477	21	349	3463	36470	99.2 to 99.4	99.9	11.0	10.5	3124	13472.0
<b>4TH QTR.</b>	<b>9140</b>	<b>55405</b>	<b>10974</b>	<b>1875</b>	<b>29730</b>	<b>72</b>	<b>1268</b>	<b>7974</b>	<b>116438</b>	<b>99.2 to 99.4</b>	<b>99.9</b>	<b>11.2</b>	<b>9.2</b>	<b>9136</b>	<b>40562.8</b>
<b>2019-20</b>	<b>34894</b>	<b>213694</b>	<b>44434</b>	<b>8676</b>	<b>166010</b>	<b>274</b>	<b>5710</b>	<b>23985</b>	<b>497677</b>	99.2 to 99.4	99.9	10.8	7.5	36805	163233.1
2018-19	38453	222777	45260	7930	138733	253	7328	31800	492534	99.2 to 99.4	99.9	10.3	7.1	36735	158208.8
2017-18	37875	215560	46649	6480	171904	267	7564	16967	503266	99.2 to 99.4	99.9	12.2	7.3	37185	135162.0
2016-17	15477	198095	45761	4088	181650	268	5600	774	451713	99.2 to 99.4	99.9	11.7	5.9	41600	86274.0
2015-16	49737	190215	40136	10872	166687	279	7275	18609	483810	99.3 to 99.5	99.9	13.1	7.0	42485	146759.9

## नाइट्रोजन का वितरण DISTRIBUTION OF NITROGEN

## OXYGEN PLANT

Table No. 18.4

PERIOD	DISTRIBUTION OF NITROGEN (10 <sup>3</sup> m <sup>3</sup> )											LIQUID ARGON(T)		
	SMS-I	SMS-II	CDI(2&3)	CDI (4&5)	HSM	PGP (CRM I/II)	OTC	HDGL	SL.MILL	HRCF	Others	Total	Receipt	Argon to SMS-1,CCS & CBT(T)
APR.'19	1720	8224	9360	10800	720	2648	1728	1440	108	95	6120	42963	672.3	672.3
MAY	3115	7536	9672	11160	744	2696	1785	1488	120	110	6324	44750	673.0	673.0
JUN	2681	8048	9360	10800	720	2565	1728	1440	120	104	6120	43686	847.1	847.1
<b>1ST QTR.</b>	<b>7516</b>	<b>23808</b>	<b>28392</b>	<b>32760</b>	<b>2184</b>	<b>7909</b>	<b>5241</b>	<b>4368</b>	<b>348</b>	<b>309</b>	<b>18564</b>	<b>131399</b>	<b>2192.4</b>	<b>2192.4</b>
JUL.	2210	8520	10044	9672	744	2506	1786	1488	150	111	6324	43555	752.4	752.4
AUG.	2626	6912	9672	9432	744	2455	1786	1488	146	107	6324	41692	505.6	505.6
SEP.	995	7600	9720	9432	720	2287	1728	1440	130	103	6120	40275	662.2	662.2
<b>2ND QTR.</b>	<b>5831</b>	<b>23032</b>	<b>29436</b>	<b>28536</b>	<b>2208</b>	<b>7248</b>	<b>5300</b>	<b>4416</b>	<b>426</b>	<b>321</b>	<b>18768</b>	<b>125522</b>	<b>1920.2</b>	<b>1920.2</b>
OCT.	1150	8270	10416	10044	744	1881	1786	1488	46	40	6324	42189	811.1	811.1
NOV.	410	8389	10440	10080	720	2574	1728	1440	140	127	6120	42168	690.4	690.4
DEC.	305	8857	10788	10416	744	2122	1786	1488	142	110	6324	43082	790.6	790.6
<b>3RD QTR.</b>	<b>1865</b>	<b>25516</b>	<b>31644</b>	<b>30540</b>	<b>2208</b>	<b>6577</b>	<b>5300</b>	<b>4416</b>	<b>328</b>	<b>277</b>	<b>18768</b>	<b>127439</b>	<b>2292.1</b>	<b>2292.1</b>
JAN.'20	1521	9044	10788	10416	744	1953	1785	1488	61	50	6324	44174	697.1	697.1
FEB.	1885	8755	9396	10440	696	1859	1670	1392	84	80	5916	42173	516.3	516.3
MAR.	2099	8764	10044	11160	744	2006	1786	1488	50	20	6324	44485	416.8	416.8
<b>4TH QTR.</b>	<b>5505</b>	<b>26563</b>	<b>30228</b>	<b>32016</b>	<b>2184</b>	<b>5818</b>	<b>5241</b>	<b>4368</b>	<b>195</b>	<b>150</b>	<b>18564</b>	<b>130832</b>	<b>1630.2</b>	<b>1630.2</b>
<b>2019-20</b>	<b>20717</b>	<b>98919</b>	<b>119700</b>	<b>123852</b>	<b>8784</b>	<b>27552</b>	<b>21082</b>	<b>17568</b>	<b>1297</b>	<b>1057</b>	<b>74664</b>	<b>515192</b>	<b>8034.9</b>	<b>8034.9</b>
2018-19	17680	99704	118992	134352	8760	32597	21026	17520	1643	1278	70104	523656	9191.9	9191.9
2017-18	17065	95744	121860	118956	8760	31114	19269	17520	1575	1252	57084	490199	10311.6	10311.6
2016-17	7060	81990	101844	97032	8520	27613	12478	17040	1409	1281	58913	415180	6419.5	6419.5
2015-16	22450	65815	95508	89352	6720	18622	18016	17568	1606	1330	83820	420807	8776.8	8776.8

भिलिण्डरों की भराई एवं प्रेषण  
CYLINDERS FILLED & DESPATCHED

## OXYGEN PLANT

Table No. 18.5

PERIOD	OXYGEN												NITROGEN			
	CYLINDERS FILLED						CYLINDERS DESPATCHED						CYLINDERS FILLED		CYLINDERS DESPATCHED	
	Plant		Medical		Total		Plant		Medical		Total		Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>
	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>	Nos.	m <sup>3</sup>
APR.'19	4929	26123.7	70	371.0	4999	26494.7	4928	26118.4	70	371.0	4998	26489.4	52	275.6	52	275.6
MAY	4383	23229.9	0	0.0	4383	23229.9	4252	22535.6	0	0.0	4252	22535.6	54	286.2	61	323.3
JUN	3745	19848.5	52	275.6	3797	20124.1	3769	19975.7	52	275.6	3821	20251.3	34	180.2	21	111.3
<b>1ST QTR.</b>	<b>13057</b>	<b>69202.1</b>	<b>122</b>	<b>646.6</b>	<b>13179</b>	<b>69848.7</b>	<b>12949</b>	<b>68629.7</b>	<b>122</b>	<b>646.6</b>	<b>13071</b>	<b>69276.3</b>	<b>140</b>	<b>742.0</b>	<b>134</b>	<b>710.2</b>
JUL.	4126	21867.8	76	402.8	4202	22270.6	4121	21841.3	76	402.8	4197	22244.1	63	333.9	67	355.1
AUG.	4371	23166.3	0	0.0	4371	23166.3	4165	22074.5	0	0.0	4165	22074.5	30	159.0	47	249.1
SEP.	3737	19806.1	92	487.6	3829	20293.7	3713	19678.9	92	487.6	3805	20166.5	33	174.9	24	127.2
<b>2ND QTR.</b>	<b>12234</b>	<b>64840.2</b>	<b>168</b>	<b>890.4</b>	<b>12402</b>	<b>65730.6</b>	<b>11999</b>	<b>63594.7</b>	<b>168</b>	<b>890.4</b>	<b>12167</b>	<b>64485.1</b>	<b>126</b>	<b>667.8</b>	<b>138</b>	<b>731.4</b>
OCT.	4160	22048.0	70	371.0	4230	22419.0	4167	22085.1	70	371.0	4237	22456.1	31	164.3	38	201.4
NOV.	4323	22911.9	0	0.0	4323	22911.9	4296	22768.8	0	0.0	4296	22768.8	56	296.8	33	174.9
DEC.	4319	22890.7	75	397.5	4394	23288.2	4227	22403.1	75	397.5	4302	22800.6	76	402.8	107	567.1
<b>3RD QTR.</b>	<b>12802</b>	<b>67850.6</b>	<b>145</b>	<b>768.5</b>	<b>12947</b>	<b>68619.1</b>	<b>12690</b>	<b>67257.0</b>	<b>145</b>	<b>768.5</b>	<b>12835</b>	<b>68025.5</b>	<b>163</b>	<b>863.9</b>	<b>178</b>	<b>943.4</b>
JAN.'20	4786	25365.8	0	0.0	4786	25365.8	4780	25335.0	0	0.0	4780	25335.0	118	625.4	133	704.9
FEB.	4860	25758.0	100	530.0	4960	26288.0	4953	26250.0	100	530.0	5053	26780.0	51	270.3	67	355.1
MAR.	4074	21592.2	16	84.8	4090	21677.0	4019	21300.7	16	84.8	4035	21385.5	31	164.3	23	121.9
<b>4TH QTR.</b>	<b>13720</b>	<b>72716.0</b>	<b>116</b>	<b>614.8</b>	<b>13836</b>	<b>73330.8</b>	<b>13752</b>	<b>72885.7</b>	<b>116</b>	<b>614.8</b>	<b>13868</b>	<b>73500.5</b>	<b>200</b>	<b>1060.0</b>	<b>223</b>	<b>1181.9</b>
<b>2019-20</b>	<b>51813</b>	<b>274608.9</b>	<b>551</b>	<b>2920.3</b>	<b>52364</b>	<b>277529.2</b>	<b>51390</b>	<b>272367.1</b>	<b>551</b>	<b>2920.3</b>	<b>51941</b>	<b>275287.4</b>	<b>629</b>	<b>3333.7</b>	<b>673</b>	<b>3566.9</b>
2018-19	47609	252327.7	440	2332.0	48049	254659.7	47178	250043.4	440	2332.0	47618	252375.4	472	2501.6	450	2862.0
2017-18	50723	268831.9	311	1648.3	51034	270480.2	50559	267962.7	311	1648.3	50870	269611.0	809	4287.7	813	4308.9
2016-17	51110	270883.0	206	1091.8	51316	271974.8	50709	267757.7	206	1091.8	50915	268849.5	490	2597.0	492	3275.4
2015-16	52503	278265.5	562	2978.6	53065	281244.1	51473	272806.6	562	2978.6	52035	275785.2	1033	5475.1	894	4738.0

केन्द्रीय संपीडक संयंत्र  
CENTRAL COMPRESSOR PLANT

Table No. 18.6

C.C.P. PERIOD	CENTRAL COMPRESSOR PLANT								CONS.OF SERVICES			
	No.of Compressors running				Total Running Hours				Compressed Air (10 <sup>3</sup> m <sup>3</sup> )	Air Distributed (10 <sup>3</sup> m <sup>3</sup> )	Electricity (CAI+CCP) (MWH)	Water (10 <sup>3</sup> m <sup>3</sup> )
	CCP-I	CCP-II	CCP-III	CCP-IV	CCP-I	CCP-II	CCP-III	CCP-IV				
APR.'19	4.0	3.0	5.0	2.0	2370	1408	2354	719	91135.4	91135.4	8497.7	3600
MAY	4.0	3.0	5.0	2.0	1668	1586	2801	746	88621.0	88621.0	9718.0	3718
JUN	4.0	3.0	5.0	2.0	1731	1543	2882	719	89471.0	89471.0	10862.3	3596
<b>1ST QTR.</b>	<b>4.0</b>	<b>3.0</b>	<b>5.0</b>	<b>2.0</b>	<b>5769</b>	<b>4537</b>	<b>8037</b>	<b>2184</b>	<b>269227.5</b>	<b>269227.5</b>	<b>29078.0</b>	<b>10914</b>
JUL.	4.0	2.0	5.0	2.0	2708	1383	2502	743	96938.3	96938.3	9675.3	3717
AUG.	5.0	3.0	5.0	2.0	2840	1608	2513	739	102666.0	102666.0	9097.7	3715
SEP.	5.0	3.0	5.0	2.0	2205	1855	2612	720	99092.1	99092.1	8346.6	3578
<b>2ND QTR.</b>	<b>4.7</b>	<b>2.7</b>	<b>5.0</b>	<b>2.0</b>	<b>7753</b>	<b>4846</b>	<b>7627</b>	<b>2202</b>	<b>298696.3</b>	<b>298696.3</b>	<b>27119.6</b>	<b>11010</b>
OCT.	3.0	3.0	5.0	2.0	1891	1499	2907	738	92205.8	92205.8	8287.5	3714
NOV.	3.0	3.0	5.0	2.0	1032	1940	2780	723	83220.3	83220.3	7774.0	3557
DEC.	2.0	3.0	5.0	2.0	1074	1907	2950	731	84565.3	84557.8	8177.9	3695
<b>3RD QTR.</b>	<b>2.7</b>	<b>3.0</b>	<b>5.0</b>	<b>2.0</b>	<b>3997</b>	<b>5346</b>	<b>8637</b>	<b>2192</b>	<b>259991.4</b>	<b>259983.9</b>	<b>24239.4</b>	<b>10966</b>
JAN.'20	3.0	3.0	5.0	2.0	1534	1532	2530	745	81764.7	81759.5	7725.9	3650
FEB.	3.0	3.0	5.0	2.0	1210	1129	2777	697	73563.3	73558.3	7402.9	3410
MAR.	4.0	4.0	5.0	2.0	2096	1331	2467	744	88625.2	88619.0	7749.4	3710
<b>4TH QTR.</b>	<b>3.3</b>	<b>3.3</b>	<b>5.0</b>	<b>2.0</b>	<b>4840</b>	<b>3992</b>	<b>7774</b>	<b>2186</b>	<b>243953.2</b>	<b>243936.8</b>	<b>22878.2</b>	<b>10770</b>
<b>2019-20</b>	<b>3.7</b>	<b>3.0</b>	<b>5.0</b>	<b>2.0</b>	<b>22359</b>	<b>18721</b>	<b>32075</b>	<b>8764 0</b>	<b>1071868.3</b>	<b>1071844.5</b>	<b>103315.2</b>	<b>43660</b>
2018-19	3.3	3.6	5.0	1.8	21271	21079	28481	8707 0	1036838.3	1036838.3	99857.7	43776
2017-18	3.7	3.2	4.4	1.5	23720	19013	27510	8743 0	1008594.2	1008594.2	97673.3	43974
2016-17	3.6	3.9	3.8	1.5	23159	25689	20741	1416 0	962040.4	962040.4	92625.4	48371
2015-16	4.5	4.2	3.0 -		30348	33368	17521 -		1110516.1	1110516.1	95596.6	50514

**TRAFFIC DEPARTMENT**

## बी एन एल वैनो की स्थिति STATUS OF BSL WAGONS



TRAFFIC DEPTT.	Unit - Nos.															Table No.19.1 (Contd.)
	DUMP CAR			FLAT CAR			FLAT CAR(PCM)			BOX			B.O.I.+B.O.M.			
	In Opm.	Under Major Repair	Total	In Opm.	Under Major Repair	Total	In Opm.	Under Major Repair	Total	In Opm.	Under Major Repair	Total	In Opm.	Under Major Repair	Total	
APR'19	48	1	49	56	2	58	17	3	20	104	13	117	52	3	55.0	
MAY	45	4	49	55	3	58	17	3	20	100	17	117	54	1	55.0	
JUN	47	2	49	55	3	58	17	3	20	106	11	117	53	2	55.0	
JUL	49	0	49	55	3	58	17	3	20	99	18	117	53	2	55.0	
AUG	46	3	49	55	3	58	16	4	20	89	28	117	51	4	55.0	
SEP	46	3	49	56	2	58	17	3	20	88	29	117	51	4	55.0	
OCT	39	10	49	55	2	57	17	3	20	98	19	117	51	4	55.0	
NOV	43	6	49	55	3	58	17	3	20	96	21	117	52	3	55.0	
DEC	44	5	49	55	3	58	17	3	20	105	12	117	52	3	55.0	
JAN'20	42	7	49	56	2	58	17	3	20	101	16	117	51	4	55.0	
FEB	43	6	49	55	3	58	17	3	20	98	19	117	51	4	55.0	
MAR	42	7	49	55	3	58	17	3	20	102	15	117	52	3	55.0	
<b>2019-20</b>	<b>44.5</b>	<b>4.5</b>	<b>49.0</b>	<b>55.3</b>	<b>2.7</b>	<b>57.9</b>	<b>16.9</b>	<b>3.1</b>	<b>20.0</b>	<b>98.8</b>	<b>18.2</b>	<b>117.0</b>	<b>51.9</b>	<b>3.1</b>	<b>55.0</b>	
2018-19	47.8	2.2	50.0	56.0	2.0	58.0	18.8	1.2	20.0	111.1	5.9	117.0	54.6	0.4	55.0	
2017-18	48.8	1.3	50.0	55.1	2.3	57.3	22.3	0.8	23.0	112.8	5.2	118.0	53.6	1.4	55.0	
2016-17	47.2	2.8	50.0	55.6	2.4	58.0	21.2	1.8	23.0	127.8	9.3	137.0	51.7	3.3	55.0	
2015-16	41.8	8.2	50.0	55.9	2.1	58.0	21.4	1.6	23.0	126.2	10.8	137.0	53.0	2.0	55.0	

# श्री एन एल वैननों की स्थिति STATUS OF BSL WAGONS

Table No.19.1 (Contd.)

TRAFFIC DEPTT.	Unit - Nos.														
	B.O.B.+BOBC			GANDOLA-90 T			TEST CAR			T.S.M.			T.S.A.		
	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total
PERIOD															
APR'19	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
MAY	10	0	10.0	17	4	21.0	4	0	4.0	0	4	4	5	0	5
JUN	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
JUL	7	3	10.0	19	2	21.0	4	0	4.0	0	4	4	5	0	5
AUG	10	0	10.0	15	6	21.0	4	0	4.0	0	4	4	5	0	5
SEP	10	0	10.0	19	5	24.0	4	0	4.0	0	4	4	5	0	5
OCT	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
NOV	10	0	10.0	19	2	21.0	4	0	4.0	0	4	4	5	0	5
DEC	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
JAN'20	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
FEB	10	0	10.0	19	2	21.0	4	0	4.0	0	4	4	5	0	5
MAR	10	0	10.0	18	3	21.0	4	0	4.0	0	4	4	5	0	5
<b>2019-20</b>	<b>9.8</b>	<b>0.2</b>	<b>10.0</b>	<b>18.0</b>	<b>3.3</b>	<b>21.3</b>	<b>4.0</b>	<b>0.0</b>	<b>4.0</b>	<b>0.0</b>	<b>4.0</b>	<b>4.0</b>	<b>5.0</b>	<b>0.0</b>	<b>5.0</b>
2018-19	10.0	0.0	10.0	15.5	5.5	21.0	4.0	0.0	4.0	0.0	4.0	4.0	5.0	0.0	5.0
2017-18	11.0	0.0	11.0	18.3	2.8	21.0	4.0	0.0	4.0	0.0	4.0	4.0	5.0	0.0	5.0
2016-17	10.0	0.0	10.0	19.9	2.1	22.0	3.9	0.1	4.0	0.0	4.0	4.0	5.0	0.0	5.0
2015-16	11.3	2.7	14.0	16.5	5.5	22.0	4.0	0.0	4.0	0.0	4.0	4.0	4.8	0.2	5.0



बी एन एल वैगनों की स्थिति  
STATUS OF B S L WAGONS

TRAFFIC DEPTT.	Unit - Nos.															Table No.19.1
	T.R.			C.D			WELL BFU			M.CAR			TAL			
	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	In Oprn.	Under Major Repair	Total	
APR'19	3	0	3	3	0	3.0	1	0	1.0	8	2	10.0	0	0	0.0	
MAY	3	0	3	3	0	3.0	1	0	1.0	8	2	10.0	0	0	0.0	
JUN	3	0	3	3	0	3.0	1	0	1.0	7	3	10.0	0	0	0.0	
JUL	3	0	3	3	0	3.0	1	0	1.0	8	2	10.0	0	0	0.0	
AUG	3	0	3	3	0	3.0	1	0	1.0	9	1	10.0	0	0	0.0	
SEP	3	0	3	3	0	3.0	1	0	1.0	10	0	10.0	0	0	0.0	
OCT	3	0	3	3	0	3.0	1	0	1.0	9	1	10.0	0	0	0.0	
NOV	3	0	3	3	0	3.0	1	0	1.0	10	0	10.0	0	0	0.0	
DEC	3	0	3	3	0	3.0	1	0	1.0	10	0	10.0	0	0	0.0	
JAN'20	3	0	3	3	0	3.0	1	0	1.0	9	1	10.0	0	0	0.0	
FEB	3	0	3	3	0	3.0	1	0	1.0	10	0	10.0	0	0	0.0	
MAR	3	0	3	3	0	3.0	1	0	1.0	10	0	10.0	0	0	0.0	
<b>2019-20</b>	<b>3.0</b>	<b>0.0</b>	<b>3.0</b>	<b>3.0</b>	<b>0.0</b>	<b>3.0</b>	<b>1.0</b>	<b>0.0</b>	<b>1.0</b>	<b>9.0</b>	<b>1.0</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
2018-19	3.0	0.0	3.0	3.0	0.0	3.0	1.0	0.0	1.0	8.2	1.8	10.0	0.0	0.0	0.0	
2017-18	3.0	0.0	3.0	3.0	0.0	3.0	1.0	0.0	1.0	8.2	1.8	10.0	3.0	0.0	3.0	
2016-17	3.0	0.0	3.0	3.0	0.0	3.0	0.9	0.1	1.0	7.3	2.7	10.0	0.0	0.0	0.0	
2015-16	3.0	0.0	3.0	3.0	0.0	3.0	1.0	0.0	1.0	8.2	1.8	10.0	3.0	0.0	3.0	

**रेलवे डिब्बों का संचालन**  
**RAILWAY WAGONS HANDLED**

TRAFFIC DEPTT.

Unit - Nos.

Table No.19.2 (Contd.)

PERIOD	RECEIPT OF RAW MATERIAL					
	Iron Ore	Lime Stone	Dolomite	Coal	Middling Coal	
	BOX	BOX	BOX	BOX	BOX	
	BOST BOXN	BOST BOXN	BOST BOXN	BOST BOXN	BOST BOXN	BOST BOXN
APR'19	10026	1212	898	5502	2529	
MAY	8720	1137	1326	4723	2513	
JUN	9026	1358	1163	5806	2531	
JUL	8785	1546	1344	5855	2167	
AUG	7293	1442	1282	4786	2179	
SEP	6535	1435	987	4699	1288	
OCT	7942	1512	1273	4782	1367	
NOV	7445	1197	998	4068	1701	
DEC	6780	1510	978	4941	1597	
JAN'20	7959	1238	1047	4677	1951	
FEB	7669	1459	1074	5454	2415	
MAR	8580	1228	1161	4992	1946	
<b>2019-20</b>	<b>96760</b>	<b>16274</b>	<b>13531</b>	<b>60285</b>	<b>24184</b>	
2018-19	101509	15234	12615	54612	23616	
2017-18	95320	14472	11026	57405	26897	
2016-17	78838	11919	9523	50509	29013	
2015-16	82633	11416	11525	53711	30090	

# रेलवे डिब्बों का संचालन RAILWAY WAGONS HANDLED

TRAFFIC DEPTT.

Unit - Nos.

Table No.19.2 (Contd.)

PERIOD	DESPATCH OF PRODUCTS						
	B F	Mixed	LD	Granulated	Pig	INGOT	Slab
	Coke	Coke	Slag	Slag	Iron	STEEL	
	BOX		BOST	BOX	BOST	BRN	BOX
		BOB	BOXN	BOXN	BOXN	BRH	BOXN
		BOXN				BOXN	
APR'19	0	0	0	59	225	0	0
MAY	0	0	0	236	135	0	0
JUN	0	0	0	354	135	0	0
JUL	0	0	0	295	135	0	0
AUG	0	0	0	354	90	0	0
SEP	0	0	0	118	180	0	0
OCT	59	0	0	0	135	0	0
NOV	0	0	0	59	270	0	0
DEC	0	0	0	59	104	0	0
JAN'20	0	0	0	354	163	0	0
FEB	0	59	0	177	90	0	0
MAR	0	59	0	236	0	0	0
<b>2019-20</b>	<b>59</b>	<b>118</b>	<b>0</b>	<b>2301</b>	<b>1662</b>	<b>0</b>	<b>0</b>
2018-19	59	236	0	236	810	0	700
2017-18	235	1809	0	0	270	0	481
2016-17	2713	119	59	0	830	7	2672
2015-16	885	59	126	2161	640	142	1863

# रेलवे डिब्बों का अंचालन RAILWAY WAGONS HANDLED

TRAFFIC DEPTT.

Unit - Nos.

Table No.19.2

PERIOD	DESPATCH OF PRODUCTS													
	H.R. Coil		H.R. Plate/Sheet	C.R. Coil/TMBP		C.R. Sheet		G.P. Sheet		G.C. Sheet	G.P. Coil		Other Steel Materials	
	BOST	BFR	BOST	BOST	BFN	BOST	BFN	BOST	BFN	BOST	BOST	BFN	BOST	BFN
	BKC	BRN	BRN	BKC	BRN	BOXN	BRN	BOXN	BRN	BRN	BOXN	BRN	BOXN	BRN
BOXN	BRH	BOXN	BOXN	BRH	BKC	BRH	BKC	BRH	BOXN	BKC	BRH			
APR'19	1895	871	571	520	434	2	5	2	1	0	87	34	225	0
MAY	2025	481	504	699	315	0	0	12	8	0	91	48	135	0
JUN	1787	776	484	654	419	1	7	1	1	3	48	50	135	0
JUL	2067	584	480	640	331	4	5	2	0	3	63	24	135	0
AUG	1804	615	526	716	378	1	0	0	1	0	47	19	90	0
SEP	1749	526	411	628	305	2	1	4	2	0	24	14	180	0
OCT	1716	502	282	540	302	0	0	1	0	0	9	4	135	0
NOV	1775	736	445	591	510	9	14	1	2	2	8	23	270	0
DEC	2143	928	572	745	490	5	7	1	1	0	21	3	104	0
JAN'20	2156	911	532	748	637	8	3	1	0	0	25	26	163	0
FEB	2039	965	487	577	436	2	3	14	9	0	28	26	90	0
MAR	1528	620	378	463	401	0	1	0	0	1	51	15	0	0
<b>2019-20</b>	<b>22684</b>	<b>8515</b>	<b>5672</b>	<b>7521</b>	<b>4958</b>	<b>34</b>	<b>46</b>	<b>39</b>	<b>25</b>	<b>9</b>	<b>502</b>	<b>286</b>	<b>1662</b>	<b>0</b>
2018-19	21254	8727	6675	7717	4959	127	52	73	32	14	957	593	1280	232
2017-18	23022	7941	6484	8685	4322	177	51	101	26	11	936	425	298	481
2016-17	21384	7945	7154	6164	3264	139	62	149	37	57	823	417	50	0
2015-16	19498	8956	6315	2988	1484	117	49	176	61	50	549	292	640	2005

**रेल डिब्बों एवं रेल पथ की स्थिति**  
**WAGON AND TRACK POSITION**

TRAFFIC DEPTT.

Table No.19.3

PERIOD	POSITION OF RLY WAGONS IN TERMS OF 4 WHEELERS		AVERAGE DETENTION OF BOX WAGONS				TRACK POSITION			
	No. of Rly. Wagons (Avg. Per Day)		BOXN Wagons		BOST Wagons		Length of Track taken over by opn. Dept. (Km)	Slag Track Slewed Length (Km)	Capital Repair of Tracks (Km)	Capital Repairs of Points & Crossing
	Taken Over	Made Over	Single Oprn. (Hrs.)	Double Oprn. (Hrs.)	Single Oprn. (Hrs.)	Double Oprn, (Hrs.)				
APR'19	2022.35	2135.90	15.01	-	31.67	-	-	1.900	0.21	1
MAY	1932.98	1857.34	13.72	-	31.61	-	-	1.200	0.22	1
JUN	2129.33	2117.58	14.57	-	32.21	-	-	0.675	0.30	1
JUL	2028.89	2008.56	17.26	-	33.43	-	-	1.900	0.29	1
AUG	1768.79	1776.71	17.13	-	32.98	-	-	1.760	0.35	2
SEP	1602.48	1616.08	14.07	-	28.26	-	-	1.810	0.43	2
OCT	1674.18	1667.50	17.34	-	29.66	-	-	1.815	0.33	2
NOV	1712.58	1666.48	13.72	-	31.33	-	-	1.800	0.42	2
DEC	1699.92	1700.97	13.31	-	31.78	-	-	1.910	0.61	1
JAN'20	1865.56	1843.29	14.17	-	32.01	-	-	1.970	0.27	2
FEB	2034.83	1939.31	15.89	-	33.04	-	-	1.321	0.25	1
MAR	1808.23	1809.98	15.16	-	33.41	-	-	2.100	0.21	1
<b>2019-20</b>	<b>1856.68</b>	<b>1844.98</b>	<b>15.11</b>	<b>-</b>	<b>31.78</b>	<b>-</b>	<b>0.00</b>	<b>20.16</b>	<b>3.89</b>	<b>17</b>
2018-19	1894.18	1869.02	15.06	-	31.32	-	0.00	27.50	3.68	19
2017-18	1841.11	1834.59	15.51	-	35.53	-	9.90	24.12	4.01	15
2016-17	1659.92	1657.56	13.97	-	35.37	-	-	24.69	10.41	51
2015-16	1672.28	1667.44	16.09	-	34.92	-	-	21.74	13.10	38

लोको स्थिति  
STATUS OF LOCO

TRAFFIC DEPTT.

Table No.19.4

PERIOD	NO. OF LOCO FLEET IN BSL				NO. OF LOCO SHIFT AVL.	NOS. OF LOCO SHIFT PLANNED					NOS. OF ACTUAL LOCO SHIFT					LOCO FAILURE			
	WDS 6 1400 HP	BHEL		Total		WDS 6 1400 HP	Excluding OH & POH				Excluding OH & POH					Loco Shift Utili- sation (%)	Nos.	Duration (Hrs.)	
		350 HP	700 HP				For Opera- tion	Spare Loco For Shift in Maint	Ready Loco at Shed	Total	For Opera- tion	For Maint	NSR at Loco Shed	Spare Loco Shift in Field	Ready Loco at Shed				Total
APR'19	61	1	1	63	66795	3702	124	90	78	3994	3678	64	156	12	84	3994	97.46	32	68.50
MAY	61	1	1	63	66795	3692	118	86	92	3988	3646	62	174	18	88	3988	97.17	36	47.90
JUN	61	1	1	63	66795	3798	122	76	86	4082	3750	60	158	22	92	4082	97.05	30	55.10
JUL	61	1	1	63	66795	3956	116	66	75	4213	3857	68	188	20	80	4213	97.47	40	51.10
AUG	61	1	1	63	66795	3830	115	90	87	4122	3758	70	184	32	78	4122	97.16	46	41.30
SEP	61	1	1	63	66795	3604	124	70	84	3882	3518	58	196	24	86	3882	96.97	42	66.20
OCT	61	1	1	63	66795	3746	112	82	76	4016	3658	72	180	18	88	4016	97.18	40	63.70
NOV	61	1	1	63	66795	3486	115	78	68	3747	3427	64	150	16	90	3747	97.00	44	85.70
DEC	61	1	1	63	66795	3559	126	65	82	3832	3506	62	168	10	86	3832	97.33	48	47.90
JAN'20	61	1	1	63	66795	3849	112	68	72	4101	3742	66	196	16	81	4101	97.47	52	68.15
FEB	61	1	1	63	66795	3712	116	74	78	3980	3635	60	178	30	77	3980	97.14	48	62.30
MAR	61	1	1	63	66795	3958	109	80	82	4229	3856	64	186	42	81	4229	96.91	56	73.40
<b>2019-20</b>	<b>61</b>	<b>1</b>	<b>1</b>	<b>63</b>	<b>66795</b>	<b>44892</b>	<b>1409</b>	<b>925</b>	<b>960</b>	<b>48186</b>	<b>44031</b>	<b>770</b>	<b>2114</b>	<b>260</b>	<b>1011</b>	<b>48186</b>	<b>97.19</b>	<b>514</b>	<b>731.25</b>
2018-19	63	1	1	65	72270	45594	1428	931	957	48910	44699	758	2219	259	1035	48970	97.19	576	831.75
2017-18	66	1	1	68	72270	45171	1402	990	811	48374	44088	781	2223	248	1034	48374	97.17	503	889.10
2016-17	66	1	1	68	72270	43686	1400	921	936	46943	42212	743	2552	341	1095	46943	96.71	594	850.90
2015-16	66	1	1	68	72468	46155	1412	699	1092	49358	44647	749	2666	198	1098	49358	97.18	555	880.35

**SCRAP & SALVAGE DEPTT**

क्षेत्र जनन  
SCRAP GENERATION



Table No. 20.1

S.S.D.	Unit - Tonne									
	IRON SCRAP				STEEL SCRAP					
PERIOD	B.F. Scrap	Rej.Ingot Mould & Bottom Plate	Rejection & Spillage from Aux.Shops	Total	S.M.S. Scrap	Mill Scrap	Wear Scrap	Crop End	Other Scrap	Total
APR'19	14473	1160	720	16353	15507	11080	5020	8090	0	39697
MAY	12639	3340	1155	17134	18872	14726	6872	9726	380	50576
JUN.	9471	2269	1118	12858	18613	13999	5414	6241	275	44542
<b>1ST QTR</b>	<b>36583</b>	<b>6769</b>	<b>2993</b>	<b>46345</b>	<b>52992</b>	<b>39805</b>	<b>17306</b>	<b>24057</b>	<b>655</b>	<b>134815</b>
JUL.	7277	2567	205	10049	15104	11333	4346	14174	5	44962
AUG.	8619	1309	0	9928	13587	10220	3575	10913	9	38304
SEP.	9829	1280	0	11109	11299	9182	3306	9733	9	33529
<b>2ND QTR</b>	<b>25725</b>	<b>5156</b>	<b>205</b>	<b>31086</b>	<b>39990</b>	<b>30735</b>	<b>11227</b>	<b>34820</b>	<b>23</b>	<b>116795</b>
OCT.	8961	240	460	9661	9525	8283	4080	6216	320	28424
NOV.	6422	80	400	6902	8389	7679	3091	2224	400	21783
DEC.	8299	2060	400	10759	14855	8230	4149	2433	240	29907
<b>3RD QTR</b>	<b>23682</b>	<b>2380</b>	<b>1260</b>	<b>27322</b>	<b>32769</b>	<b>24192</b>	<b>11320</b>	<b>10873</b>	<b>960</b>	<b>80114</b>
JAN'20	9758	1080	1100	11938	12260	12678	3939	3299	240	32416
FEB.	9835	2700	700	13235	11720	9691	4028	6765	80	32284
MAR.	7311	1440	300	9051	12303	10034	5250	7709	0	35296
<b>4TH QTR.</b>	<b>26904</b>	<b>5220</b>	<b>2100</b>	<b>34224</b>	<b>36283</b>	<b>32403</b>	<b>13217</b>	<b>17773</b>	<b>320</b>	<b>99996</b>
<b>2019-20</b>	<b>112894</b>	<b>19525</b>	<b>6558</b>	<b>138977</b>	<b>162034</b>	<b>127135</b>	<b>53070</b>	<b>87523</b>	<b>1958</b>	<b>431720</b>
2018-19	160419	27289	8870	196578	149198	112358	59781	95208	437	416982
2017-18	19530	32053	7268	58851	159472	99363	74891	73995	188	407909
2016-17	97737	17247	4913	119897	157448	107271	54852	35760	546	355877
2015-16	100878	38388	14345	153611	136406	79161	50015	57050	48	322680



क्षेप्य प्रेषण  
SCRAP DESPATCH

S.S.D.

Unit - Tonne

Table No. 20.2

PERIOD	DESPATCH		TRANSFER TO					
	Iron Scrap	Steel Scrap	Iron Scrap			Steel Scrap		
			SMS	B F	Total	SMS	FDY & Others	Total
APR'19	3001	1063	8917	3789	12706	32945	1492	34437
MAY	4049	1554	9273	2966	12239	32351	1588	33939
JUN.	2794	760	5106	4089	9195	31554	2149	33703
<b>1ST QTR</b>	<b>9844</b>	<b>3377</b>	<b>23296</b>	<b>10844</b>	<b>34140</b>	<b>96850</b>	<b>5229</b>	<b>102079</b>
JUL.	2395	675	1214	4891	6105	34944	2516	37460
AUG.	1688	1345	3113	4116	7229	28544	2181	30725
SEP.	2510	1035	3090	4561	7651	28636	2033	30669
<b>2ND QTR</b>	<b>6593</b>	<b>3055</b>	<b>7417</b>	<b>13568</b>	<b>20985</b>	<b>92124</b>	<b>6730</b>	<b>98854</b>
OCT.	2221	485	3148	3719	6867	28713	1292	30005
NOV.	2192	906	3440	986	4426	25616	381	25997
DEC.	2780	1067	7673	2874	10547	22705	3037	25742
<b>3RD QTR</b>	<b>7193</b>	<b>2458</b>	<b>14261</b>	<b>7579</b>	<b>21840</b>	<b>77034</b>	<b>4710</b>	<b>81744</b>
JAN'20	3157	1859	4084	4714	8798	30091	1419	31510
FEB.	4394	813	5290	2599	7889	28777	1417	30194
MAR.	2894	374	3418	2218	5636	31402	1660	33062
<b>4TH QTR.</b>	<b>10445</b>	<b>3046</b>	<b>12792</b>	<b>9531</b>	<b>22323</b>	<b>90270</b>	<b>4496</b>	<b>94766</b>
<b>2019-20</b>	<b>34075</b>	<b>11936</b>	<b>57766</b>	<b>41522</b>	<b>99288</b>	<b>356278</b>	<b>21165</b>	<b>377443</b>
2018-19	31425	9493	110174	55569	165743	378707	30600	409307
2017-18	3042	3986	43312	11587	54899	369042	37291	406333
2016-17	24482	6292	51539	44297	95836	312733	44222	356955
2015-16	28528	1767	81460	45731	127191	323155	35380	358535



**सारांश**  
**SUMMARY**

D.N.W.

Table No. 21.1

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
1.	<b>POWER</b>	MWH					
	<b>Generation</b>	"	1486486.5	1241736.1	1366641.6	1697392.0	1716555.5
	<b>Import</b>	"	1229611.0	1427730.9	1231825.0	742795.7	782743.4
	<b>Consumption</b>						
	TPP Auxiliaries	"	124070.0	121740.0	122844.0	133618.0	131751.0
	CPP Auxiliaries	"	175757.2	160005.0	169213.2	187164.1	188593.1
	Plant Operation	"	1734842.7	1711825.6	1607890.1	1360678.4	1415176.0
	Township & Construction	"	324184.9	318487.2	341413.6	414415.1	419261.7
	Vertical Pumps of PH-I	"	39419.2	39364.5	39822.0	35187.8	39496.4
	Losses on Available Power	"	60228.0	60069.5	59417.9	52972.8	55496.5
	Power Consumption / T of Saleable Steel	KWH	511.85	472.04	459.32	403.47	544.01

विद्युत शक्ति की प्राप्यता  
AVAILABILITY OF ELECTRICAL POWER

D N W PERIOD	Unit - MWH										Table No. 21.2
	IMPORT FROM DVC		GENERATION				CONSUMPTION AT			AVAILABLE	TOTAL
	Total	Hourly (MW)	T P P	C P P	Total (2+3)	Hourly (MW)	TPP Aux. - TBS Conspn.	CPP Aux.	Total (5+6)	POWER FROM TPP & CPP (4-7)	AVAILABLE POWER (1+8)
1	2	3	4	5	6	7	8	9			
APR.'19	99918.0	138.8	29297.0	97806.4	127103.4	176.5	9795.0	15752.9	25547.9	101555.5	201473.5
MAY	94547.0	127.1	47644.0	97288.6	144932.6	194.8	9950.0	16659.9	26609.9	118322.7	212869.7
JUN	82683.0	114.8	56812.0	101280.5	158092.5	219.6	10732.0	16059.2	26791.2	131301.3	213984.3
<b>1ST QTR.</b>	<b>277148.0</b>	<b>126.9</b>	<b>133753.0</b>	<b>296375.5</b>	<b>430128.5</b>	<b>196.9</b>	<b>30477.0</b>	<b>48472.0</b>	<b>78949.0</b>	<b>351179.5</b>	<b>628327.5</b>
JUL.	95957.0	129.0	50463.0	97225.0	147688.0	198.5	10409.0	17101.1	27510.1	120177.9	216134.9
AUG.	93680.0	125.9	43971.0	96768.8	140739.8	189.2	10000.0	17512.2	27512.2	113227.6	206907.6
SEP.	90725.0	126.0	39204.0	87981.8	127185.8	176.6	9452.0	15982.5	25434.5	101751.3	192476.3
<b>2ND QTR.</b>	<b>280362.0</b>	<b>127.0</b>	<b>133638.0</b>	<b>281975.6</b>	<b>415613.6</b>	<b>188.2</b>	<b>29861.0</b>	<b>50595.8</b>	<b>80456.8</b>	<b>335156.8</b>	<b>615518.8</b>
OCT.	116016.0	155.9	37190.0	69364.6	106554.6	143.2	10334.0	14327.9	24661.9	81892.7	197908.7
NOV.	106334.0	147.7	38044.0	67115.3	105159.3	146.1	10525.0	12320.3	22845.3	82314.0	188648.0
DEC.	113886.0	153.1	38994.0	67481.0	106475.0	143.1	11027.0	11880.9	22907.9	83567.1	197453.1
<b>3RD QTR.</b>	<b>336236.0</b>	<b>152.3</b>	<b>114228.0</b>	<b>203960.9</b>	<b>318188.9</b>	<b>144.1</b>	<b>31886.0</b>	<b>38529.1</b>	<b>70415.1</b>	<b>247773.8</b>	<b>584009.8</b>
JAN.'20	115533.0	155.3	39030.0	71592.0	110622.0	148.7	10732.0	12379.1	23111.1	87510.9	203043.9
FEB.	105499.0	151.6	38940.0	65991.0	104931.0	150.8	10289.0	12216.1	22505.1	82425.9	187924.9
MAR.	114833.0	154.3	41117.0	65885.5	107002.5	143.8	10825.0	13565.1	24390.1	82612.4	197445.4
<b>4TH QTR.</b>	<b>335865.0</b>	<b>153.8</b>	<b>119087.0</b>	<b>203468.5</b>	<b>322555.5</b>	<b>147.7</b>	<b>31846.0</b>	<b>38160.3</b>	<b>70006.3</b>	<b>252549.2</b>	<b>588414.2</b>
<b>2019-20</b>	<b>1229611.0</b>	<b>140.0</b>	<b>500706.0</b>	<b>985780.5</b>	<b>1486486.5</b>	<b>169.2</b>	<b>124070.0</b>	<b>175757.2</b>	<b>299827.2</b>	<b>1186659.3</b>	<b>2416270.3</b>
2018-19	1427730.9	163.0	474682.0	767054.1	1241736.1	141.8	121740.0	160005.0	281745.0	959991.1	2387722.0
2017-18	1231825.0	140.6	488416.0	878225.6	1366641.6	156.0	122844.0	169213.2	292057.2	1074584.4	2306409.4
2016-17	742795.7	84.8	390530.0	1306862.0	1697392.0	193.8	133618.0	187164.1	320782.1	1376609.9	2119405.6
2015-16	782743.4	89.1	527738.0	1188817.5	1716555.5	195.4	131751.0	188593.1	320344.1	1396211.4	2178954.8

विद्युत शक्ति का वितरण  
DISTRIBUTION OF ELECTRICAL POWER

D N W	Unit - MWH										Table No. 21.3(Contd.)
	CONSUMPTION OF POWER IN					Losses on Available Power (9-14)	LOSSES ON				
PERIOD	Township & Constn.	Plant Operation	BOO Plant	Steam Prodn. by Vert.pump of P.H.-1	Total Conspn.		Township & Constn.	Plant Operation	Steam Prodn. by Vert.pump of P.H.-1	Total Losses	
	10	11	12	13	14	15	16	17	18	19	
APR.'19	26687.3	145076.1	21390.0	3281.1	196434.5	5039.0	756.9	4164.9	117.2	5039.0	
MAY	30963.1	151093.0	22081.0	3406.8	207543.9	5325.8	800.0	4401.8	124.0	5325.8	
JUN	32106.6	151533.5	21768.0	3226.6	208634.7	5349.6	803.5	4421.3	124.8	5349.6	
<b>1ST QTR.</b>	<b>89757.0</b>	<b>447702.6</b>	<b>65239.0</b>	<b>9914.5</b>	<b>612613.1</b>	<b>15714.4</b>	<b>2360.4</b>	<b>12988.0</b>	<b>366.0</b>	<b>15714.4</b>	
JUL.	33296.7	152251.3	21840.0	3343.6	210731.6	5403.3	811.6	4465.7	126.0	5403.3	
AUG.	28162.2	148657.6	21796.0	3285.6	201901.4	5006.2	751.9	4137.5	116.8	5006.2	
SEP.	26225.8	137451.1	20836.0	3230.1	187743.0	4733.3	710.9	3911.6	110.8	4733.3	
<b>2ND QTR.</b>	<b>87684.7</b>	<b>438360.0</b>	<b>64472.0</b>	<b>9859.3</b>	<b>600376.0</b>	<b>15142.8</b>	<b>2274.4</b>	<b>12514.8</b>	<b>353.6</b>	<b>15142.8</b>	
OCT.	23644.4	144170.9	21823.0	3318.8	192957.1	4951.6	743.7	4092.3	115.6	4951.6	
NOV.	20867.4	138731.1	21090.0	3212.8	183901.3	4746.7	712.9	3922.9	110.9	4746.7	
DEC.	24130.9	143446.6	21593.0	3320.4	192490.9	4962.2	745.3	4100.9	116.0	4962.2	
<b>3RD QTR.</b>	<b>68642.7</b>	<b>426348.6</b>	<b>64506.0</b>	<b>9852.0</b>	<b>569349.3</b>	<b>14660.5</b>	<b>2201.9</b>	<b>12116.1</b>	<b>342.5</b>	<b>14660.5</b>	
JAN.'20	27683.3	145256.6	21707.5	3320.4	197967.8	5076.1	763.1	4198.8	114.2	5076.1	
FEB.	24138.3	135830.7	20118.0	3139.8	183226.8	4698.1	706.1	3885.8	106.2	4698.1	
MAR.	26278.9	141344.2	21553.0	3333.2	192509.3	4936.1	741.3	4079.2	115.6	4936.1	
<b>4TH QTR.</b>	<b>78100.5</b>	<b>422431.5</b>	<b>63378.5</b>	<b>9793.4</b>	<b>573703.9</b>	<b>14710.3</b>	<b>2210.5</b>	<b>12163.8</b>	<b>336.0</b>	<b>14710.3</b>	
<b>2019-20</b>	<b>324184.9</b>	<b>1734842.7</b>	<b>257595.5</b>	<b>39419.2</b>	<b>2356042.3</b>	<b>60228.0</b>	<b>9047.2</b>	<b>49782.7</b>	<b>1398.1</b>	<b>60228.0</b>	
2018-19	318487.2	1711825.6	257975.2	39364.5	2327652.5	60069.5	9026.4	49666.8	1376.3	60069.5	
2017-18	341413.6	1607890.1	257865.8	39822.0	2246991.5	59417.9	8868.3	49150.9	1398.7	59417.9	
2016-17	414415.1	1360678.4	256151.5	35187.8	2066432.8	52972.8	7691.4	43820.6	1460.8	52972.8	
2015-16	419261.7	1415176.0	249524.2	39496.4	2123458.3	55496.5	8221.0	45911.1	1364.4	55496.5	

**विद्युत शक्ति का वितरण**  
**DISTRIBUTION OF ELECTRICAL POWER**

D N W

Unit - MWH

Table No. 21.3(Contd.)

PERIOD	COKE OVENS & BY PRODUCT PLANT								SINTERING PLANT					
	Raw Material Handling Plant	Coal Handling Plant	Battery & Coke Sorting	Amm. Sulphate	By Products	Sulphuric Acid Plant	BOD	Total	Raw Material Receiving & Preprn.	Proportioning & Mixing Plant	Lime Thickening & Mixing Plant	Sinter Preprn. & Despatch	Repair Shops & Welfare Bldg.	Total
APR.'19	784.7	852.9	819.9	289.8	3097.3	205.1	188.9	5453.9	1416.7	427.6	531.3	18027.6	21.5	20424.7
MAY	827.4	868.8	835.1	295.2	3154.9	208.9	192.5	5555.4	1562.8	471.7	586.1	19887.1	23.8	22531.5
JUN	754.4	853.4	820.4	290.0	3099.2	205.2	189.0	5457.2	1540.8	465.0	577.9	19606.8	23.5	22214.0
<b>1ST QTR.</b>	<b>2366.5</b>	<b>2575.1</b>	<b>2475.4</b>	<b>875.0</b>	<b>9351.4</b>	<b>619.2</b>	<b>570.4</b>	<b>16466.5</b>	<b>4520.3</b>	<b>1364.3</b>	<b>1695.3</b>	<b>57521.5</b>	<b>68.8</b>	<b>65170.2</b>
JUL.	892.5	834.2	801.9	283.5	3029.4	200.6	184.7	5334.3	1553.2	468.7	582.5	19764.1	23.9	22392.4
AUG.	662.0	858.9	825.6	291.9	3119.0	206.5	190.5	5492.4	1467.7	442.9	550.4	18675.6	22.7	21159.3
SEP.	540.2	842.4	809.8	286.3	3059.1	202.5	187.0	5387.1	1564.6	472.2	586.8	19910.1	24.3	22558.0
<b>2ND QTR.</b>	<b>2094.7</b>	<b>2535.5</b>	<b>2437.3</b>	<b>861.7</b>	<b>9207.5</b>	<b>609.6</b>	<b>562.2</b>	<b>16213.8</b>	<b>4585.5</b>	<b>1383.8</b>	<b>1719.7</b>	<b>58349.8</b>	<b>70.9</b>	<b>66109.7</b>
OCT.	670.3	879.2	845.2	298.8	3192.8	211.4	195.2	5622.6	1528.1	461.2	573.1	19444.8	23.8	22031.0
NOV.	576.8	810.9	779.5	275.6	2944.9	195.0	180.1	5186.0	1385.0	418.0	519.5	17624.3	21.6	19968.4
DEC.	592.7	849.9	817.0	288.8	3086.4	204.4	188.7	5435.2	1466.9	442.7	550.2	18666.4	23.1	21149.3
<b>3RD QTR.</b>	<b>1839.8</b>	<b>2540.0</b>	<b>2441.7</b>	<b>863.2</b>	<b>9224.1</b>	<b>610.8</b>	<b>564.0</b>	<b>16243.8</b>	<b>4380.0</b>	<b>1321.9</b>	<b>1642.8</b>	<b>55735.5</b>	<b>68.5</b>	<b>63148.7</b>
JAN.'20	695.3	857.7	824.5	291.4	3114.7	206.2	188.8	5483.3	1429.7	431.5	536.2	18193.3	20.6	20611.3
FEB.	701.9	779.2	749.0	264.8	2829.6	187.4	170.9	4980.9	1359.9	410.4	510.0	17304.9	17.8	19603.0
MAR.	769.5	822.2	790.3	279.4	2985.6	197.7	182.6	5257.8	1425.4	430.2	534.6	18138.1	23.0	20551.3
<b>4TH QTR.</b>	<b>2166.7</b>	<b>2459.1</b>	<b>2363.8</b>	<b>835.6</b>	<b>8929.9</b>	<b>591.3</b>	<b>542.3</b>	<b>15722.0</b>	<b>4215.0</b>	<b>1272.1</b>	<b>1580.8</b>	<b>53636.3</b>	<b>61.4</b>	<b>60765.6</b>
<b>2019-20</b>	<b>8467.7</b>	<b>10109.7</b>	<b>9718.2</b>	<b>3435.5</b>	<b>36712.9</b>	<b>2430.9</b>	<b>2238.9</b>	<b>64646.1</b>	<b>17700.8</b>	<b>5342.1</b>	<b>6638.6</b>	<b>225243.1</b>	<b>269.6</b>	<b>255194.2</b>
2018-19	8008.3	10202.0	9807.1	3466.7	37047.7	2452.9	2247.1	65223.5	17950.9	5417.5	6732.6	228423.4	248.7	258773.1
2017-18	7816.5	10131.9	9739.2	3442.7	36792.7	2436.1	2224.4	64767.0	17004.1	5131.7	6377.6	216373.7	209.0	245096.1
2016-17	7196.0	10000.3	9612.8	3397.9	36314.7	2404.3	2193.9	63923.9	14495.1	4374.6	5436.5	184449.0	166.1	208921.3
2015-16	7510.4	9923.5	9539.1	3372.0	36036.2	2385.9	2176.0	63432.7	14961.0	4515.2	5611.1	190377.1	169.0	215633.4

**विद्युत शक्ति का वितरण**  
**DISTRIBUTION OF ELECTRICAL POWER**

D N W PERIOD	Unit - MWH											
	BLAST FURNACE				S.G.P.	STEEL MELTING SHOP			C.C.S.	SLABBING MILL	HOT STRIP MILL	H.R.C.F.
	PCM	Furnace	GCP	Total		SMS-I	SMS-II	Total				
APR.'19	118.4	9625.2	183.4	9927.0	115.4	3153.6	5182.7	8336.3	9184.7	2320.6	24814.7	903.8
MAY	117.1	9517.2	181.3	9815.6	132.0	3332.6	4684.1	8016.7	9139.6	2446.4	24122.3	904.9
JUN	121.7	9894.3	188.5	10204.5	130.8	2993.0	5412.2	8405.2	8730.0	2410.9	25746.2	927.6
<b>1ST QTR.</b>	<b>357.2</b>	<b>29036.7</b>	<b>553.2</b>	<b>29947.1</b>	<b>378.2</b>	<b>9479.2</b>	<b>15279.0</b>	<b>24758.2</b>	<b>27054.3</b>	<b>7177.9</b>	<b>74683.2</b>	<b>2736.3</b>
JUL.	119.4	9707.3	185.0	10011.7	139.5	2787.7	6373.7	9161.4	9614.2	2590.9	24682.3	990.2
AUG.	119.1	9684.0	185.4	9988.5	120.4	3019.9	5615.7	8635.6	8168.3	2554.0	25692.4	986.6
SEP.	108.6	8825.4	169.0	9103.0	129.1	2764.0	5728.1	8492.1	7768.6	2229.9	20028.2	930.4
<b>2ND QTR.</b>	<b>347.1</b>	<b>28216.7</b>	<b>539.4</b>	<b>29103.2</b>	<b>389.0</b>	<b>8571.6</b>	<b>17717.5</b>	<b>26289.1</b>	<b>25551.1</b>	<b>7374.8</b>	<b>70402.9</b>	<b>2907.2</b>
OCT.	109.2	8879.7	170.1	9159.0	128.9	2622.7	5910.9	8533.6	8642.1	1840.8	24670.6	900.7
NOV.	109.0	8853.0	170.2	9132.2	129.8	2263.5	6124.8	8388.3	8816.9	1438.0	23605.1	842.4
DEC.	114.1	9271.3	178.1	9563.5	133.8	2100.3	5837.5	7937.8	9152.4	1367.4	24621.7	886.1
<b>3RD QTR.</b>	<b>332.3</b>	<b>27004.0</b>	<b>518.4</b>	<b>27854.7</b>	<b>392.5</b>	<b>6986.5</b>	<b>17873.2</b>	<b>24859.7</b>	<b>26611.4</b>	<b>4646.2</b>	<b>72897.4</b>	<b>2629.2</b>
JAN.'20	116.9	9498.9	180.1	9795.9	119.8	1793.5	6907.7	8701.2	9400.3	1702.8	25709.8	894.8
FEB.	114.1	9271.8	178.9	9564.8	107.9	1719.7	5370.1	7089.8	8536.6	1664.5	24426.6	910.6
MAR.	107.3	8727.0	167.9	9002.2	93.3	1973.7	6053.5	8027.2	8590.9	1690.3	25381.1	903.3
<b>4TH QTR.</b>	<b>338.3</b>	<b>27497.7</b>	<b>526.9</b>	<b>28362.9</b>	<b>321.0</b>	<b>5486.9</b>	<b>18331.3</b>	<b>23818.2</b>	<b>26527.8</b>	<b>5057.6</b>	<b>75517.5</b>	<b>2708.7</b>
<b>2019-20</b>	<b>1374.9</b>	<b>111755.1</b>	<b>2137.9</b>	<b>115267.9</b>	<b>1480.7</b>	<b>30524.2</b>	<b>69201.0</b>	<b>99725.2</b>	<b>105744.6</b>	<b>24256.5</b>	<b>293501.0</b>	<b>10981.4</b>
2018-19	1271.0	103325.5	1965.9	106562.4	1637.1	30862.6	61598.6	92461.2	108944.2	27037.0	286778.3	10620.2
2017-18	1201.2	97136.3	1826.7	100164.2	1266.5	33953.9	53646.7	87600.6	101855.5	26080.3	282222.0	10291.2
2016-17	1160.8	94380.2	1778.7	97319.7	1225.2	23331.0	69175.9	92506.9	100987.9	18381.5	265576.9	11172.2
2015-16	1252.7	101841.3	1915.0	105009.0	1455.6	40176.0	70941.3	111117.3	102990.8	31789.2	210644.0	11439.0

# विद्युत शक्ति का वितरण

## DISTRIBUTION OF ELECTRICAL POWER

D N W

Unit - MWH

Table No. 21.3(Contd.)

PERIOD	COLD ROLLING MILL I & II													Total
	Tan-dem Mill	Pickling Line	Skin pass Mill	Ann. Furnace	R.G.B.S. & A.R.S.	C.R.C.F.	H.D.G.L.	C.A.L.	E.C.L.	G.P. S.S.L	G.C. S.S.L	DCR Mill	Slitting Line	
APR.'19	4791.0	1006.9	983.3	833.4	758.5	871.2	1580.2	520.9	68.8	220.8	260.0	1034.3	56.3	12985.6
MAY	4788.0	1006.3	982.6	832.8	758.0	870.6	1579.2	520.5	68.8	220.7	259.9	1034.3	56.3	12978.0
JUN	4674.3	982.4	959.3	813.1	740.0	849.9	1541.7	508.2	67.1	215.5	253.7	1009.1	54.9	12669.2
<b>1ST QTR.</b>	<b>14253.3</b>	<b>2995.6</b>	<b>2925.2</b>	<b>2479.3</b>	<b>2256.5</b>	<b>2591.7</b>	<b>4701.1</b>	<b>1549.6</b>	<b>204.7</b>	<b>657.0</b>	<b>773.6</b>	<b>3077.7</b>	<b>167.5</b>	<b>38632.8</b>
JUL.	4363.4	916.4	894.9	758.5	690.3	792.9	1438.2	474.1	62.6	201.0	236.7	938.4	51.3	11818.7
AUG.	4507.8	946.8	924.5	783.6	713.1	819.1	1485.8	489.7	64.7	207.6	244.5	969.5	53.0	12209.7
SEP.	4158.0	873.3	852.8	722.8	657.8	755.5	1370.5	451.7	59.7	191.5	225.5	894.3	48.9	11262.3
<b>2ND QTR.</b>	<b>13029.2</b>	<b>2736.5</b>	<b>2672.2</b>	<b>2264.9</b>	<b>2061.2</b>	<b>2367.5</b>	<b>4294.5</b>	<b>1415.5</b>	<b>187.0</b>	<b>600.1</b>	<b>706.7</b>	<b>2802.2</b>	<b>153.2</b>	<b>35290.7</b>
OCT.	4221.8	886.7	865.8	733.8	667.9	767.1	1391.5	458.7	60.6	194.5	229.0	908.1	49.6	11435.1
NOV.	3912.8	821.8	802.5	680.1	619.0	711.0	1289.6	425.1	56.2	180.2	212.2	841.7	46.0	10598.2
DEC.	3992.3	838.5	818.8	694.0	631.6	725.4	1315.9	433.8	57.3	183.9	216.5	858.7	46.9	10813.6
<b>3RD QTR.</b>	<b>12126.9</b>	<b>2547.0</b>	<b>2487.1</b>	<b>2107.9</b>	<b>1918.5</b>	<b>2203.5</b>	<b>3997.0</b>	<b>1317.6</b>	<b>174.1</b>	<b>558.6</b>	<b>657.7</b>	<b>2608.5</b>	<b>142.5</b>	<b>32846.9</b>
JAN.'20	3916.0	822.5	803.1	680.7	619.5	711.6	1290.7	425.4	56.2	180.4	212.4	842.4	46.0	10606.9
FEB.	3884.2	815.8	796.6	675.2	614.5	705.8	1280.2	422.0	55.8	178.9	210.7	835.6	45.6	10520.9
MAR.	3888.5	816.7	797.5	675.9	615.2	706.6	1281.7	422.5	55.8	179.1	210.9	836.5	45.7	10532.6
<b>4TH QTR.</b>	<b>11688.7</b>	<b>2455.0</b>	<b>2397.2</b>	<b>2031.8</b>	<b>1849.2</b>	<b>2124.0</b>	<b>3852.6</b>	<b>1269.9</b>	<b>167.8</b>	<b>538.4</b>	<b>634.0</b>	<b>2514.5</b>	<b>137.3</b>	<b>31660.4</b>
<b>2019-20</b>	<b>51098.1</b>	<b>10734.1</b>	<b>10481.7</b>	<b>8883.9</b>	<b>8085.4</b>	<b>9286.7</b>	<b>16845.2</b>	<b>5552.6</b>	<b>733.6</b>	<b>2354.1</b>	<b>2772.0</b>	<b>11002.9</b>	<b>600.5</b>	<b>138430.8</b>
2018-19	54491.9	11452.6	11183.2	9478.3	8626.6	9908.5	17973.0	5924.4	782.0	2512.0	2957.5	11751.0	575.7	147616.7
2017-18	47412.2	9964.7	9730.4	8246.9	7506.1	8621.1	15638.0	5154.7	678.0	2185.6	2573.1	10210.5	232.4	128153.7
2016-17	40508.9	8513.8	8313.7	7046.3	6413.2	7365.7	13361.0	4404.1	579.3	1867.2	2198.5	8723.1	476.4	109771.2
2015-16	36075.9	7582.2	7403.8	6275.0	5711.1	6559.7	11898.8	3922.1	515.8	1663.1	1958.2	7767.5	424.2	97757.4



**विद्युत शक्ति का वितरण**  
**DISTRIBUTION OF ELECTRICAL POWER**

D N W		Unit - MWH									Table No. 21.3(Contd.)
PERIOD	COLD ROLLING MILL-III	AUXILIARY SHOPS									Total
		Mach-ine Shop	Struc-tural Shop	Forge Shop	Ingot Mould Fdy.	Steel Fdy. & Pat.Shop	Iron Copper Fdy.	Diesel Loco	ERS,PPC Building etc.	C.C.P. & C.A.I	
APR.'19	8179.5	167.3	123.2	127.7	170.9	645.5	147.7	129.8	317.5	8497.7	10327.3
MAY	10054.2	176.0	140.1	134.4	179.8	679.2	144.9	136.5	334.1	9718.0	11643.0
JUN	8841.4	171.2	126.1	130.7	174.9	660.4	151.1	132.7	324.8	10862.3	12734.2
<b>1ST QTR.</b>	<b>27075.1</b>	<b>514.5</b>	<b>389.4</b>	<b>392.8</b>	<b>525.6</b>	<b>1985.1</b>	<b>443.7</b>	<b>399.0</b>	<b>976.4</b>	<b>29078.0</b>	<b>34704.5</b>
JUL.	9872.3	170.7	125.8	130.4	174.4	658.9	151.8	131.4	324.1	9675.3	11542.8
AUG.	10242.0	157.9	116.3	120.6	161.4	609.4	140.5	121.5	299.8	9097.7	10825.1
SEP.	8732.0	155.2	114.3	118.5	158.6	599.0	138.1	119.4	294.6	8346.6	10044.3
<b>2ND QTR.</b>	<b>28846.3</b>	<b>483.8</b>	<b>356.4</b>	<b>369.5</b>	<b>494.4</b>	<b>1867.3</b>	<b>430.4</b>	<b>372.3</b>	<b>918.5</b>	<b>27119.6</b>	<b>32412.2</b>
OCT.	8299.5	166.5	122.7	127.1	170.1	642.6	148.1	128.1	316.1	8287.5	10108.8
NOV.	9199.2	160.9	118.5	122.8	164.3	620.7	143.1	123.8	305.3	7774.0	9533.4
DEC.	8872.5	167.7	123.5	128.0	171.3	647.1	149.2	129.0	318.3	8177.9	10012.0
<b>3RD QTR.</b>	<b>26371.2</b>	<b>495.1</b>	<b>364.7</b>	<b>377.9</b>	<b>505.7</b>	<b>1910.4</b>	<b>440.4</b>	<b>380.9</b>	<b>939.7</b>	<b>24239.4</b>	<b>29654.2</b>
JAN.'20	8518.1	170.0	125.2	129.8	173.7	655.9	151.2	130.8	322.6	7725.9	9585.1
FEB.	8313.7	158.1	116.5	120.7	161.5	610.1	139.2	122.7	300.1	7402.9	9131.8
MAR.	9340.9	161.5	118.9	123.3	165.0	623.1	143.8	124.2	306.5	7749.4	9515.7
<b>4TH QTR.</b>	<b>26172.7</b>	<b>489.6</b>	<b>360.6</b>	<b>373.8</b>	<b>500.2</b>	<b>1889.1</b>	<b>434.2</b>	<b>377.7</b>	<b>929.2</b>	<b>22878.2</b>	<b>28232.6</b>
<b>2019-20</b>	<b>108465.3</b>	<b>1983.0</b>	<b>1471.1</b>	<b>1514.0</b>	<b>2025.9</b>	<b>7651.9</b>	<b>1748.7</b>	<b>1529.9</b>	<b>3763.8</b>	<b>103315.2</b>	<b>125003.5</b>
2018-19	103413.2	2034.3	1498.4	1552.8	2078.4	7849.5	1793.6	1578.1	3861.4	99857.7	122104.2
2017-18	88904.8	1966.6	1448.8	1501.2	2009.3	7588.1	1726.1	1525.5	3732.5	97673.3	119171.4
2016-17	-	1938.0	1427.2	1479.8	1980.2	7478.5	1706.3	1503.5	3678.5	92625.4	113817.4
2015-16	-	1936.0	1426.2	1477.9	1978.1	7470.6	1703.6	1502.1	3674.4	95596.6	116765.5

# विद्युत शक्ति का वितरण

## DISTRIBUTION OF ELECTRICAL POWER

D N W		Unit - MWH					Table No. 21.3	
PERIOD	R.M.P	OXYGEN PLANT	WATER MGT.	E.M.D.	SUB-STATION AUXILIARIES	AUX. CONSPN. FOR TBS	TOTAL POWER CONSUMPTION IN PLANT OPERATION	POWER CONS./T OF SAL.STEEL (KWH)
APR.'19	2142.7	13217.6	14475.4	1159.3	48.9	274.0	145076.1	465.60
MAY	2224.8	14005.1	15301.3	1079.8	49.0	266.0	151093.0	513.49
JUN	2189.9	14008.0	14603.5	1153.5	89.0	264.0	151533.5	513.65
<b>1ST QTR.</b>	<b>6557.4</b>	<b>41230.7</b>	<b>44380.2</b>	<b>3392.6</b>	<b>186.9</b>	<b>804.0</b>	<b>447702.6</b>	<b>496.98</b>
JUL.	2456.9	14258.9	15030.0	1145.4	49.9	267.0	152251.3	533.28
AUG.	2169.9	13279.5	14983.6	1142.5	49.8	296.0	148657.6	549.56
SEP.	2057.7	13257.0	13644.7	982.6	48.9	255.0	137451.1	617.41
<b>2ND QTR.</b>	<b>6684.5</b>	<b>40795.4</b>	<b>43658.3</b>	<b>3270.5</b>	<b>148.6</b>	<b>818.0</b>	<b>438360.0</b>	<b>562.99</b>
OCT.	2237.9	13610.5	14738.1	1229.5	49.9	262.0	144170.9	547.03
NOV.	2056.0	13135.8	14425.3	1397.2	49.1	253.0	138731.1	478.30
DEC.	2112.8	13897.9	15281.2	1315.9	49.8	251.0	143446.6	468.32
<b>3RD QTR.</b>	<b>6406.7</b>	<b>40644.2</b>	<b>44444.6</b>	<b>3942.6</b>	<b>148.8</b>	<b>766.0</b>	<b>426348.6</b>	<b>495.81</b>
JAN.'20	2265.6	14467.6	15181.0	1206.8	49.0	262.0	145256.6	504.32
FEB.	2177.2	12623.2	14125.7	1071.5	48.1	232.0	135830.7	464.63
MAR.	2253.4	13472.0	14557.5	1099.4	49.8	256.0	141344.2	524.25
<b>4TH QTR.</b>	<b>6696.2</b>	<b>40562.8</b>	<b>43864.2</b>	<b>3377.7</b>	<b>146.9</b>	<b>750.0</b>	<b>422431.5</b>	<b>496.99</b>
<b>2019-20</b>	<b>26344.8</b>	<b>163233.1</b>	<b>176347.3</b>	<b>13983.4</b>	<b>631.2</b>	<b>3138.0</b>	<b>1734842.7</b>	<b>511.85</b>
2018-19	23721.1	158208.8	172790.0	14107.1	587.2	3232.0	1711825.6	472.04
2017-18	22112.5	135162.0	167467.9	15892.3	589.6	3276.0	1607890.1	459.32
2016-17	15900.5	86274.0	150970.5	12987.8	630.5	3115.0	1360678.4	403.47
2015-16	15186.3	146759.9	163424.5	10730.3	587.7	2943.0	1415176.0	544.01

## सारांश SUMMARY

E.M.D.

Table No. 22.1

SL.NO.	PARTICULARS	UNIT	2019-20	2018-19	2017-18	2016-17	2015-16
1.	<b>COKE OVEN GAS</b>						
	Production	10 <sup>3</sup> m <sup>3</sup>	1109880	1067310	1007956	917871	1022549
	Production/Hr.	"	126.4	121.9	115.1	104.8	116.4
	Distribution	"	1103577	1058767	1005504	915783	1005130
	Losses	"	6303	8543	2452	2088	17419
	Density	Kg / m <sup>3</sup>	0.492	0.489	0.483	0.479	0.476
	Calorific Value	K.Cal./m <sup>3</sup>	4069	4076	4036	3988	4055
	Yield	m <sup>3</sup> / t of DCC	325.1	318.7	313.7	316.9	313.1
2.	<b>BLAST FURNACE GAS</b>						
	Production	10 <sup>3</sup> m <sup>3</sup>	7034565	7193717	6932170	5793454	6333936
	Production / Hr.	"	800.8	821.6	791.3	661.4	721.1
	Distribution	"	6905198	7036289	6853696	5771172	6228609
	Losses	"	129367	157428	78474	22282	105327
	Density	Kg / m <sup>3</sup>	1.322	1.320	1.321	1.323	1.318
	Calorific Value	K.Cal./m <sup>3</sup>	912	894	890	894	866
	Yield	m <sup>3</sup> / t of H.M.	1722	1709	1713	1699	1712
3.	<b>SPECIFIC HEAT CONSUMPTION PER TONNE AT</b>						
	Coke Oven - (Dry Coal Charged)	10 <sup>6</sup> K Cal	0.686	0.709	0.733	0.714	0.658
	Sinter Plant -(Gross Sinter)	"	0.039	0.031	0.030	0.029	0.030
	Blast Furnace-(Hot Metal)	"	4.346	4.264	4.149	4.123	4.247
	S.M.S. -(Crude Steel)	"	0.024	0.028	0.022	0.020	0.026
	CCS -(Cast Slab)	"	0.019	0.017	0.019	0.016	0.017
	Slabbing Mill -(Ingot Rolled)	"	0.706	0.689	0.797	0.689	0.519
	H.S.M. -(Slab Rolled)	"	0.416	0.489	0.509	0.456	0.463
	C.R.M. -(Annealed Coil)	"	0.660	0.539	0.601	0.414	0.427
	Power Plant -(Steam)	"	0.814	0.828	0.844	0.834	0.843
	R.M.P. -(Gross Lime)	"	2.021	2.023	2.130	2.077	2.203
4.	<b>OVERALL ENERGY CONS./ T of CS</b>	<b>G. Cal.</b>	<b>6.669</b>	<b>6.677</b>	<b>6.681</b>	<b>6.688</b>	<b>6.692</b>

## कोक ओवन गैस COKE OVEN GAS

## ENERGY MANAGEMENT

Unit - (10<sup>3</sup> m<sup>3</sup>)

Table No.22.2(Contd.)

PERIOD	PRODU- CTION	DISTRIBUTION												
		Coke Oven				Sinter Plant	Blast Furnace		SMS + CCS			Slabbing Mill		
		Batteries	Heating /Repair	Tar Dist.	B.R.P.		Heating /Repair	Minor + CDI	SMS-I	SMS-II	CCS	Soaking Pit	Heating/ Repair	Machine Scarfig
APR.'19	94198	29376	1798	490	497	2552	348	1310	936	1598	1512	3885	0	1080
MAY	97766	26933	1432	372	372	2631	315	1228	930	1413	1376	5407	0	744
JUN	95120	27360	724	360	360	2863	294	1152	900	1080	1332	4774	0	720
<b>1ST QTR.</b>	<b>287084</b>	<b>83669</b>	<b>3954</b>	<b>1222</b>	<b>1229</b>	<b>8046</b>	<b>957</b>	<b>3690</b>	<b>2766</b>	<b>4091</b>	<b>4220</b>	<b>14066</b>	<b>0</b>	<b>2544</b>
JUL.	98149	28049	560	335	335	3415	520	1250	967	1116	1302	4549	0	744
AUG.	98119	29760	572	349	357	3168	565	1250	1042	1079	1302	3606	0	744
SEP.	88093	25920	615	338	346	3359	579	1210	1008	1044	1260	3750	0	720
<b>2ND QTR.</b>	<b>284361</b>	<b>83729</b>	<b>1747</b>	<b>1022</b>	<b>1038</b>	<b>9942</b>	<b>1664</b>	<b>3710</b>	<b>3017</b>	<b>3239</b>	<b>3864</b>	<b>11905</b>	<b>0</b>	<b>2208</b>
OCT.	89303	23808	415	350	357	3397	354	1228	1042	1079	1302	2673	0	744
NOV.	86385	23328	402	324	331	3008	307	936	936	1008	1224	461	0	648
DEC.	89177	22320	402	335	342	3260	307	967	260	967	1265	468	0	558
<b>3RD QTR.</b>	<b>264865</b>	<b>69456</b>	<b>1219</b>	<b>1009</b>	<b>1030</b>	<b>9665</b>	<b>968</b>	<b>3131</b>	<b>2238</b>	<b>3054</b>	<b>3791</b>	<b>3602</b>	<b>0</b>	<b>1950</b>
JAN.'20	90624	22320	368	335	335	3359	288	967	223	893	1190	1674	0	372
FEB.	88585	21889	354	313	313	3217	288	905	209	835	1114	2130	0	348
MAR.	94361	24924	374	484	484	3422	370	1153	260	967	1205	2385	0	484
<b>4TH QTR.</b>	<b>273570</b>	<b>69133</b>	<b>1096</b>	<b>1132</b>	<b>1132</b>	<b>9998</b>	<b>946</b>	<b>3025</b>	<b>692</b>	<b>2695</b>	<b>3509</b>	<b>6189</b>	<b>0</b>	<b>1204</b>
<b>2019-20</b>	<b>1109880</b>	<b>305987</b>	<b>8016</b>	<b>4385</b>	<b>4429</b>	<b>37651</b>	<b>4535</b>	<b>13556</b>	<b>8713</b>	<b>13079</b>	<b>15384</b>	<b>35762</b>	<b>0</b>	<b>7906</b>
2018-19	1067310	356215	13455	5879	5828	31249	595	16280	10325	16429	14120	30759	0	10028
2017-18	1007956	316441	21918	5713	5706	28951	0	17143	4702	15772	15481	16744	0	5222
2016-17	917871	321377	0	7854	7854	24369	0	18515	3627	12401	11723	8786	770	4931
2015-16	1022549	332452	11903	10209	9468	23922	0	24924	10170	11799	11609	32173	7849	7567

# कोक ओवन गैस COKE OVEN GAS

## ENERGY MANAGEMENT

Unit - (10<sup>3</sup> m<sup>3</sup>)

Table No.22.2(Contd.)

PERIOD	DISTRIBUTION										
	HSM		CRM-I&II				CRM-III		Foundries		
	Reheating Furnace	Heating /Repair	Ann. Fce.	HCL Regn.	PGP	HDGL	BAF	HCL Regn.	Ingot Mould	Iron Copper	Steel
APR.'19	24664	417	5453	552	180	1270	1799	154	468	504	504
MAY	25073	410	5429	216	174	872	2180	100	446	484	484
JUN	25142	350	5636	441	168	763	2567	102	432	432	439
<b>1ST QTR.</b>	<b>74879</b>	<b>1177</b>	<b>16518</b>	<b>1209</b>	<b>522</b>	<b>2905</b>	<b>6546</b>	<b>356</b>	<b>1346</b>	<b>1420</b>	<b>1427</b>
JUL.	23167	260	5176	375	174	909	2506	88	417	424	409
AUG.	21578	375	5325	323	173	546	2749	87	417	424	409
SEP.	15694	385	4841	143	168	295	2547	88	403	411	396
<b>2ND QTR.</b>	<b>60439</b>	<b>1020</b>	<b>15342</b>	<b>841</b>	<b>515</b>	<b>1750</b>	<b>7802</b>	<b>263</b>	<b>1237</b>	<b>1259</b>	<b>1214</b>
OCT.	22707	254	4338	490	174	0	2038	85	416	424	409
NOV.	22427	208	5014	173	168	328	2285	80	403	410	396
DEC.	23002	208	4015	135	174	278	2381	76	409	417	395
<b>3RD QTR.</b>	<b>68136</b>	<b>670</b>	<b>13367</b>	<b>798</b>	<b>516</b>	<b>606</b>	<b>6704</b>	<b>241</b>	<b>1228</b>	<b>1251</b>	<b>1200</b>
JAN.'20	21726	185	3831	120	149	170	2347	68	372	372	372
FEB.	23388	170	3737	116	139	451	2205	67	348	348	348
MAR.	23088	185	3638	178	149	36	2343	121	558	565	551
<b>4TH QTR.</b>	<b>68202</b>	<b>540</b>	<b>11206</b>	<b>414</b>	<b>437</b>	<b>657</b>	<b>6895</b>	<b>256</b>	<b>1278</b>	<b>1285</b>	<b>1271</b>
<b>2019-20</b>	<b>271656</b>	<b>3407</b>	<b>56433</b>	<b>3262</b>	<b>1990</b>	<b>5918</b>	<b>27947</b>	<b>1116</b>	<b>5089</b>	<b>5215</b>	<b>5112</b>
2018-19	342079	1386	58799	7353	2028	12409	22369	3759	6073	6071	6177
2017-18	325668	1989	85164	12683	2170	16939	-	-	6653	6653	6653
2016-17	292912	0	44045	14395	2790	13997	-	-	6944	6988	7232
2015-16	226687	582	19448	3636	3926	15264	-	-	10710	10725	10692

# कोक ओवन गैस COKE OVEN GAS

## ENERGY MANAGEMENT

Unit - (10<sup>3</sup> m<sup>3</sup>)

Table No. 22.2

PERIOD	DISTRIBUTION								Production Per Hour (10 <sup>3</sup> m <sup>3</sup> )	Coke Oven Gas Yield (m <sup>3</sup> /t of DCC)	Average Calorific Value (Kcal/m <sup>3</sup> )	Density (Kg/m <sup>3</sup> )	
	Shops			RMP	Power Plant	E.M.D.	Losses						Total
	M/C Shop	Forge Shop	Strl Shop				Bleeding	Line					
APR.'19	562	540	576	292	9572	360	942	7	94198	130.8	319.1	4119	0.494
MAY	543	536	558	798	15344	372	587	7	97766	131.4	323.7	4096	0.491
JUN	526	518	540	1629	12673	360	476	7	95120	132.1	325.5	4112	0.502
<b>1ST QTR.</b>	<b>1631</b>	<b>1594</b>	<b>1674</b>	<b>2719</b>	<b>37589</b>	<b>1092</b>	<b>2005</b>	<b>21</b>	<b>287084</b>	<b>131.4</b>	<b>322.8</b>	<b>4109</b>	<b>0.496</b>
JUL.	521	506	528	1737	17015	297	491	7	98149	131.9	325.1	4143	0.496
AUG.	528	536	543	1640	17876	298	491	7	98119	131.9	325.4	4107	0.493
SEP.	511	518	526	822	19461	288	440	7	88093	122.4	325.3	4103	0.488
<b>2ND QTR.</b>	<b>1560</b>	<b>1560</b>	<b>1597</b>	<b>4199</b>	<b>54352</b>	<b>883</b>	<b>1422</b>	<b>21</b>	<b>284361</b>	<b>128.8</b>	<b>325.3</b>	<b>4117</b>	<b>0.492</b>
OCT.	528	536	543	644	18307	297	357	7	89303	120.0	326.8	4039	0.505
NOV.	511	518	519	529	18776	288	432	7	86385	120.0	327.7	4034	0.496
DEC.	521	528	528	530	23378	298	446	7	89177	119.9	327.0	4043	0.487
<b>3RD QTR.</b>	<b>1560</b>	<b>1582</b>	<b>1590</b>	<b>1703</b>	<b>60461</b>	<b>883</b>	<b>1235</b>	<b>21</b>	<b>264865</b>	<b>120.0</b>	<b>327.2</b>	<b>4039</b>	<b>0.496</b>
JAN.'20	447	446	447	794	25696	298	453	7	90624	121.8	326.2	4001	0.483
FEB.	418	418	418	1358	22013	278	443	7	88585	127.3	325.1	4016	0.488
MAR.	558	551	565	1562	22235	298	661	7	94361	126.8	325.0	4017	0.482
<b>4TH QTR.</b>	<b>1423</b>	<b>1415</b>	<b>1430</b>	<b>3714</b>	<b>69944</b>	<b>874</b>	<b>1557</b>	<b>21</b>	<b>273570</b>	<b>125.3</b>	<b>325.4</b>	<b>4011</b>	<b>0.484</b>
<b>2019-20</b>	<b>6174</b>	<b>6151</b>	<b>6291</b>	<b>12335</b>	<b>222346</b>	<b>3732</b>	<b>6219</b>	<b>84</b>	<b>1109880</b>	<b>126.4</b>	<b>325.1</b>	<b>4069</b>	<b>0.492</b>
2018-19	6346	6200	6302	17708	37740	4806	8459	84	1067310	121.9	318.7	4076	0.489
2017-18	7007	6900	7223	20937	43043	2029	2363	89	1007956	115.1	313.7	4036	0.483
2016-17	7732	7224	5297	16863	66285	872	2000	88	917871	104.8	316.9	3988	0.479
2015-16	10776	10851	6108	38954	141848	878	17335	84	1022549	116.4	313.1	4055	0.476

**धमन भट्टी गैस**  
**BLAST FURNACE GAS**

**ENERGY MANAGEMENT**Unit - (10<sup>3</sup> m<sup>3</sup>)

Table No. 22.3(Contd.)

PERIOD	PRODU- CTION	DISTRIBUTION							
		Coke Oven Batteries	Sinter Plant	Blast Fce.		Slabbing Mill		HSM	
				Stoves	CDI+Stove Heating	Pits	Repair	R.H. Fce.	Heating
APR.'19	620177	85239	4969	237032	13456	14400	0	39872	960
MAY	609197	101478	5606	232902	12775	20131	0	40724	865
JUN	619240	90223	5996	234406	12836	16932	0	40150	783
<b>1ST QTR.</b>	<b>1848614</b>	<b>276940</b>	<b>16571</b>	<b>704340</b>	<b>39067</b>	<b>51463</b>	<b>0</b>	<b>120746</b>	<b>2608</b>
JUL.	636553	102540	7383	242833	12375	15876	0	37400	498
AUG.	555474	103346	6656	212784	10276	12552	0	35145	562
SEP.	531393	91812	7067	195061	11077	13264	0	24212	742
<b>2ND QTR.</b>	<b>1723420</b>	<b>297698</b>	<b>21106</b>	<b>650678</b>	<b>33728</b>	<b>41692</b>	<b>0</b>	<b>96757</b>	<b>1802</b>
OCT.	539015	103333	6883	201913	10039	9716	0	33325	615
NOV.	523885	92976	6110	186356	8468	3939	0	33940	492
DEC.	549723	102444	6648	199924	8468	4379	0	34716	492
<b>3RD QTR.</b>	<b>1612623</b>	<b>298753</b>	<b>19641</b>	<b>588193</b>	<b>26975</b>	<b>18034</b>	<b>0</b>	<b>101981</b>	<b>1599</b>
JAN.'20	615132	108746	6499	228471	8600	13457	0	39922	475
FEB.	613063	108930	6355	230046	10009	16512	0	36907	495
MAR.	621713	110658	6903	237010	10474	17772	0	35285	502
<b>4TH QTR.</b>	<b>1849908</b>	<b>328334</b>	<b>19757</b>	<b>695527</b>	<b>29083</b>	<b>47741</b>	<b>0</b>	<b>112114</b>	<b>1472</b>
<b>2019-20</b>	<b>7034565</b>	<b>1201725</b>	<b>77075</b>	<b>2638738</b>	<b>128853</b>	<b>158930</b>	<b>0</b>	<b>431598</b>	<b>7481</b>
2018-19	7193717	1031347	60970	2812397	114953	171391	0	542953	2913
2017-18	6932170	1230865	57932	2649121	94917	267119	0	620925	0
2016-17	5793454	876655	47989	2209358	63667	102035	3646	442875	0
2015-16	6333936	925084	48965	2492381	94787	177239	43622	324387	889

**धमन भट्टी गैस**  
**BLAST FURNACE GAS**

**ENERGY MANAGEMENT**

Unit - (10<sup>3</sup> m<sup>3</sup>)

Table No. 22.3

PERIOD	DISTRIBUTION						Production Per Hour	Average Calorific Value (Kcal/m <sup>3</sup> )	Density (Kg/m <sup>3</sup> )	YIELD OF BF GAS FROM(m <sup>3</sup> /t)		
	CRM-I&II		CRM-III		T.P.P.	Losses				Total	Coke Consumed (dry)	Hot Metal Produced
	Ann.	HDGL	Ann.	HCL								
	Fce.		Fce. III	Regn.								
APR.'19	10773	2681	3553	370	176483	30389	620177	861.4	908	1.327	3515	1715
MAY	9976	1847	4005	240	171947	6701	609197	818.8	910	1.317	3494	1716
JUN	9024	1612	4110	240	192277	10651	619240	860.1	920	1.322	3475	1720
<b>1ST QTR.</b>	<b>29773</b>	<b>6140</b>	<b>11668</b>	<b>850</b>	<b>540707</b>	<b>47741</b>	<b>1848614</b>	<b>846.4</b>	<b>913</b>	<b>1.322</b>	<b>3495</b>	<b>1717</b>
JUL.	8400	1980	4067	228	185150	17823	636553	855.6	920	1.321	3437	1720
AUG.	8742	1188	4513	228	155316	4166	555474	746.6	921	1.320	3284	1729
SEP.	7960	642	4189	227	170623	4517	531393	738.0	927	1.325	3450	1728
<b>2ND QTR.</b>	<b>25102</b>	<b>3810</b>	<b>12769</b>	<b>683</b>	<b>511089</b>	<b>26506</b>	<b>1723420</b>	<b>780.5</b>	<b>923</b>	<b>1.322</b>	<b>3390</b>	<b>1725</b>
OCT.	6842	0	3214	204	161853	1078	539015	724.5	910	1.329	3466	1722
NOV.	7977	656	3637	174	177327	1833	523885	727.6	930	1.323	3493	1723
DEC.	6395	555	3792	187	179523	2200	549723	738.9	924	1.317	3561	1723
<b>3RD QTR.</b>	<b>21214</b>	<b>1211</b>	<b>10643</b>	<b>565</b>	<b>518703</b>	<b>5111</b>	<b>1612623</b>	<b>730.4</b>	<b>921</b>	<b>1.323</b>	<b>3507</b>	<b>1723</b>
JAN.'20	6563	329	4021	186	184945	12918	615132	826.8	903	1.318	3538	1723
FEB.	6718	874	3964	185	177048	15020	613063	880.8	894	1.318	3440	1720
MAR.	6428	68	4141	244	170157	22071	621713	835.6	882	1.323	3469	1722
<b>4TH QTR.</b>	<b>19709</b>	<b>1271</b>	<b>12126</b>	<b>615</b>	<b>532150</b>	<b>50009</b>	<b>1849908</b>	<b>847.0</b>	<b>893</b>	<b>1.320</b>	<b>3482</b>	<b>1722</b>
<b>2019-20</b>	<b>95798</b>	<b>12432</b>	<b>47206</b>	<b>2713</b>	<b>2102649</b>	<b>129367</b>	<b>7034565</b>	<b>800.8</b>	<b>912</b>	<b>1.322</b>	<b>3468</b>	<b>1722</b>
2018-19	109851	20197	42063	2691	2124563	157428	7193717	821.6	894	1.320	3648	1709
2017-18	249923	21322	-	-	1661572	78474	6932170	791.3	890	1.321	3645	1713
2016-17	127482	18360	-	-	1879105	22282	5793454	661.4	894	1.323	3536	1699
2015-16	49563	19248	-	-	2052444	105327	6333936	721.1	866	1.318	3449	1712



प्रोपेन एवं सी जी एम गैस की खपत  
CONSUMPTION OF PROPANE & CBM GAS

## ENERGY MANAGEMENT

Table No. 22.4

PERIOD	PROPANE GAS (TONNE)					CBM (10 <sup>3</sup> M <sup>3</sup> )			
	HSM	HDGL-III	CCS	Slabbing Mill	Total	HSM	HDGL	ARP-III	Total
APR.'19	0.00	0.00	30.00	27.42	57.42	0.00	0.00	0.00	0.00
MAY	0.00	0.00	25.00	15.39	40.39	0.00	0.00	0.00	0.00
JUN	0.00	0.00	30.00	16.88	46.88	0.00	0.00	0.00	0.00
<b>1ST QTR.</b>	<b>0.00</b>	<b>0.00</b>	<b>85.00</b>	<b>59.69</b>	<b>144.69</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
JUL.	0.00	0.00	35.00	17.44	52.44	0.00	0.00	0.00	0.00
AUG.	0.00	0.00	65.00	52.59	117.59	0.00	0.00	0.00	0.00
SEP.	0.00	0.00	30.00	16.73	46.73	0.00	0.00	0.00	0.00
<b>2ND QTR.</b>	<b>0.00</b>	<b>0.00</b>	<b>130.00</b>	<b>86.76</b>	<b>216.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
OCT.	0.00	0.00	45.00	16.10	61.10	0.00	0.00	0.00	0.00
NOV.	0.00	0.00	45.00	6.64	51.64	0.00	0.00	0.00	0.00
DEC.	0.00	0.00	46.00	5.35	51.35	0.00	0.00	0.00	0.00
<b>3RD QTR.</b>	<b>0.00</b>	<b>0.00</b>	<b>136.00</b>	<b>28.09</b>	<b>164.09</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
JAN.'20	0.00	10.44	45.00	16.71	72.15	0.00	0.00	0.00	0.00
FEB.	0.00	80.59	40.00	12.13	132.72	0.00	0.00	0.00	0.00
MAR.	0.00	161.91	45.00	18.13	225.04	0.00	0.00	0.00	0.00
<b>4TH QTR.</b>	<b>0.00</b>	<b>252.94</b>	<b>130.00</b>	<b>46.97</b>	<b>429.91</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>2019-20</b>	<b>0.00</b>	<b>252.94</b>	<b>481.00</b>	<b>221.51</b>	<b>955.45</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
2018-19	91.11	112.41	393.00	237.63	834.15	154.43	0.00	118.74	273.17
2017-18	792.60	-	533.00	251.00	1576.60	1882.25	0.00	211.78	2094.03
2016-17	481.17	-	481.00	93.70	1055.87	909.05	0.00	129.00	1038.05
2015-16	88.25	-	484.18	119.50	691.93	66.10	245.40	-	311.50



## ऊष्मा की विशिष्ट खपत SPECIFIC HEAT CONSUMPTION

ENERGY MANAGEMENT PERIOD	Unit - (10 <sup>6</sup> KCal)						Table No. 22.5(Contd.)		
	Coke Ovens (Per tonne of Dry Coal Charged)	Sintering Plant Per Tonne of Gross Sinter	Blast Furnace (Per tonne of Hot Metal)			S.M.S. (Per tonne of Crude Steel)	C.C.S. (Per tonne of Cast Slab)	R.M.P (Per tonne of Gross Lime)	
			Through Stove	By Coke	By CDI, Tar & Nut Coke				Total
APR.'19	0.672	0.034	0.595	3.137	0.624	4.356	0.032	0.022	1.811
MAY	0.671	0.034	0.597	3.164	0.624	4.385	0.031	0.022	1.997
JUN	0.669	0.036	0.599	3.176	0.649	4.424	0.026	0.020	2.047
<b>1ST QTR.</b>	<b>0.671</b>	<b>0.035</b>	<b>0.597</b>	<b>3.159</b>	<b>0.632</b>	<b>4.388</b>	<b>0.029</b>	<b>0.021</b>	<b>1.950</b>
JUL.	0.697	0.039	0.603	3.201	0.541	4.344	0.026	0.019	1.968
AUG.	0.721	0.040	0.610	3.361	0.381	4.353	0.031	0.023	2.234
SEP.	0.707	0.040	0.588	3.181	0.511	4.280	0.030	0.020	1.650
<b>2ND QTR.</b>	<b>0.708</b>	<b>0.040</b>	<b>0.601</b>	<b>3.248</b>	<b>0.478</b>	<b>4.326</b>	<b>0.029</b>	<b>0.021</b>	<b>1.961</b>
OCT.	0.696	0.042	0.587	3.164	0.562	4.313	0.030	0.020	2.073
NOV.	0.685	0.042	0.570	3.155	0.620	4.345	0.029	0.019	2.385
DEC.	0.678	0.041	0.579	3.076	0.639	4.294	0.017	0.018	2.066
<b>3RD QTR.</b>	<b>0.686</b>	<b>0.042</b>	<b>0.579</b>	<b>3.132</b>	<b>0.607</b>	<b>4.317</b>	<b>0.025</b>	<b>0.019</b>	<b>2.165</b>
JAN.'20	0.675	0.041	0.578	3.094	0.613	4.285	0.014	0.016	1.950
FEB.	0.680	0.041	0.577	3.322	0.460	4.359	0.013	0.016	2.052
MAR.	0.681	0.042	0.579	3.291	0.538	4.409	0.015	0.017	2.087
<b>4TH QTR.</b>	<b>0.679</b>	<b>0.041</b>	<b>0.578</b>	<b>3.236</b>	<b>0.537</b>	<b>4.351</b>	<b>0.014</b>	<b>0.016</b>	<b>2.031</b>
<b>2019-20</b>	<b>0.686</b>	<b>0.039</b>	<b>0.589</b>	<b>3.194</b>	<b>0.563</b>	<b>4.346</b>	<b>0.024</b>	<b>0.019</b>	<b>2.021</b>
2018-19	0.709	0.031	0.597	3.010	0.657	4.264	0.028	0.017	2.023
2017-18	0.733	0.030	0.583	2.990	0.584	4.149	0.022	0.019	2.130
2016-17	0.714	0.029	0.580	3.047	0.497	4.123	0.020	0.016	2.077
2015-16	0.658	0.030	0.583	3.175	0.489	4.247	0.026	0.017	2.203

**ऊष्मा की विशिष्ट खपत**  
**SPECIFIC HEAT CONSUMPTION**

**ENERGY MANAGEMENT**

Unit - (10<sup>6</sup> KCal)

Table No. 22.5

PERIOD	Slabbing Mill (Per tonne of Ingots Rolled)	H.S.M. (Per tonne of Slab Rolled)	C.R.M. I&II (Per tonne of Ann- ealed Coil)	C.R.M. III (Per tonne of Ann- ealed Coil)	T.P.P. & C.P.P. (Per tonne of Steam Production)			Total	Overall Energy Consumption/t of Crude Steel (G.Cal)
					By Gas	By Oil	By Coal		
APR.'19	0.664	0.418	0.631	0.376	0.219	0.008	0.605	0.832	6.667
MAY	0.679	0.460	0.661	0.392	0.219	0.004	0.598	0.822	6.669
JUN	0.694	0.444	0.680	0.388	0.216	0.004	0.573	0.794	6.668
<b>1ST QTR.</b>	<b>0.680</b>	<b>0.440</b>	<b>0.656</b>	<b>0.386</b>	<b>0.218</b>	<b>0.005</b>	<b>0.592</b>	<b>0.816</b>	<b>6.668</b>
JUL.	0.710	0.405	0.719	0.390	0.230	0.005	0.594	0.829	6.667
AUG.	0.734	0.422	0.718	0.386	0.212	0.005	0.613	0.830	6.670
SEP.	0.737	0.404	0.713	0.388	0.251	0.004	0.587	0.842	6.669
<b>2ND QTR.</b>	<b>0.725</b>	<b>0.411</b>	<b>0.717</b>	<b>0.388</b>	<b>0.231</b>	<b>0.005</b>	<b>0.598</b>	<b>0.834</b>	<b>6.669</b>
OCT.	0.749	0.412	0.664	0.332	0.254	0.006	0.528	0.789	6.671
NOV.	0.736	0.398	0.632	0.321	0.289	0.004	0.502	0.795	6.672
DEC.	0.731	0.397	0.629	0.318	0.316	0.002	0.503	0.820	6.671
<b>3RD QTR.</b>	<b>0.745</b>	<b>0.402</b>	<b>0.641</b>	<b>0.323</b>	<b>0.286</b>	<b>0.004</b>	<b>0.511</b>	<b>0.801</b>	<b>6.671</b>
JAN.'20	0.713	0.399	0.628	0.316	0.322	0.003	0.491	0.816	6.670
FEB.	0.709	0.405	0.615	0.312	0.316	0.002	0.477	0.796	6.666
MAR.	0.704	0.420	0.621	0.314	0.290	0.002	0.518	0.810	6.668
<b>4TH QTR.</b>	<b>0.709</b>	<b>0.408</b>	<b>0.621</b>	<b>0.314</b>	<b>0.309</b>	<b>0.002</b>	<b>0.495</b>	<b>0.807</b>	<b>6.668</b>
<b>2019-20</b>	<b>0.706</b>	<b>0.416</b>	<b>0.660</b>	<b>0.351</b>	<b>0.261</b>	<b>0.004</b>	<b>0.549</b>	<b>0.814</b>	<b>6.669</b>
2018-19	0.689	0.489	0.539	0.386	0.208	0.007	0.613	0.828	6.677
2017-18	0.797	0.509	0.601	-	0.159	0.008	0.677	0.844	6.681
2016-17	0.689	0.456	0.414	-	0.166	0.005	0.664	0.834	6.688
2015-16	0.519	0.463	0.427	-	0.198	0.003	0.642	0.843	6.692



RAW MATERIALS(SUMMARY) Unit - % Table No. 23.1 (Contd.)

IRON ORE(LUMP)	CHEMICAL ANALYSIS									SIEVE ANALYSIS					
	T. Fe			SiO <sub>2</sub>			Al <sub>2</sub> O <sub>3</sub>			+ 40 mm			-10 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
KIRIBURU	60.90	63.80	62.72	1.91	6.73	3.34	1.24	3.88	2.06	12.50	33.90	20.73	10.30	27.40	18.56
MEGHATHABURU	60.66	64.28	62.84	1.91	6.02	3.26	1.09	3.81	1.97	5.50	28.50	17.22	10.60	34.80	21.22
BYX	61.03	64.06	62.98	1.63	5.14	2.67	1.26	3.83	2.25	11.60	34.70	21.46	9.20	29.50	17.35
GUA	61.99	63.75	63.03	1.91	4.46	2.67	1.42	3.02	2.03	5.70	32.30	18.40	10.50	32.30	19.30
IISM	62.76	64.69	63.58	1.60	3.90	2.19	1.27	3.15	2.05	7.50	14.90	11.32	5.40	20.00	10.00
ROXY	61.69	64.41	62.73	1.86	3.89	2.80	1.57	4.00	2.72	2.50	15.20	9.32	10.20	32.30	24.07
TALDIH	61.50	64.14	63.18	1.48	4.07	2.32	1.60	3.79	2.31	5.60	14.90	10.66	8.00	20.50	11.20
BARSUA	60.50	63.81	62.69	1.73	6.08	2.57	1.50	4.66	2.78	9.30	35.30	18.71	8.20	25.50	15.79

IRON ORE(FINES)	CHEMICAL ANALYSIS									SIEVE ANALYSIS					
	T. Fe			SiO <sub>2</sub>			Al <sub>2</sub> O <sub>3</sub>			+ 10 mm			-0.6 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
KIRIBURU	60.05	63.29	61.51	2.56	6.55	4.46	1.41	4.25	2.61	4.30	12.40	8.42	23.20	41.20	33.31
MEGHATHABURU	60.01	62.50	61.48	3.40	7.07	4.80	1.42	4.06	2.40	3.50	10.20	6.06	28.30	47.00	35.97
BYX	60.03	62.90	61.72	2.80	6.41	4.02	1.49	4.29	2.68	3.80	9.70	6.39	22.00	41.50	35.51
GUA	60.61	63.31	61.81	2.90	5.18	3.89	1.37	3.90	2.60	0.70	8.50	4.28	32.30	47.70	38.19
IISM	62.28	63.31	62.83	2.86	3.95	3.21	1.13	3.30	2.08	3.50	6.30	4.58	26.20	31.00	29.18
ROXY	60.87	63.50	62.35	2.28	4.93	3.56	1.31	3.81	2.42	1.80	8.30	4.72	26.50	44.30	34.34
TALDIH	60.51	62.93	61.88	3.15	4.99	3.78	1.69	3.85	2.74	3.90	9.50	5.01	25.40	31.50	29.83
BARSUA	59.66	62.87	61.14	2.97	6.34	4.08	1.85	4.84	3.53	4.00	9.50	6.26	22.60	39.20	33.72

**गुणवत्ता सांख्यिकी**  
**QUALITY STATISTICS**

**INCOMING RAW MATERIALS(SUMMARY)**

Unit - %

Table No. 23.1 (Contd.)

LIME STONE	CHEMICAL ANALYSIS									SIEVE ANALYSIS					
	SiO <sub>2</sub>			CaO			MgO			+ 75 mm			-25 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.

KHANABANJARI	2.57	4.81	3.65	38.03	50.10	42.97	1.42	7.13	3.93	3.60	18.20	10.21	5.40	32.00	17.93
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DOLOMITE(LUMP)	CHEMICAL ANALYSIS									SIEVE ANALYSIS					
	SiO <sub>2</sub>			CaO			MgO			+ 75 mm			-25 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.

BHAWANTH PUR	4.76	7.28	5.80	23.80	30.59	26.96	13.88	19.10	16.72	3.50	14.00	4.96	4.60	9.70	8.19
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# गुणवत्ता सांख्यिकी QUALITY STATISTICS

## COKING COAL(SUMMARY)

Unit - %

Table No. 23.1 (Contd.)

SOURCES	ASH			VM			FC			WM		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
<b><u>INDIGENOUS</u></b>												
DUGDA	20.50	26.30	23.43	21.00	27.10	23.74	49.40	55.20	51.74	8.80	9.60	9.21
MUNIDIH	21.20	29.90	25.15	16.50	24.10	19.67	50.20	57.80	54.12	8.70	9.40	9.07
KATHARA	20.20	29.70	24.85	18.20	27.70	23.05	45.50	55.10	50.98	8.70	9.30	8.96
MAHUDA(PRIME)	22.30	25.40	24.56	20.20	24.70	22.46	48.90	53.60	51.88	8.80	9.20	8.94
KEDLA	21.50	28.70	24.56	23.00	27.50	25.31	46.00	51.20	49.02	8.80	9.60	9.13
RAJRAPPA	23.80	29.70	26.09	24.20	29.30	26.56	42.70	49.30	46.26	8.50	9.60	9.13
MADHUBAN	25.90	26.00	25.93	17.50	18.30	17.87	54.60	55.60	55.13	8.80	9.80	9.17
SWANG	20.00	29.20	24.76	18.00	26.40	22.84	47.30	56.80	51.30	8.00	9.60	8.97
SUDAMDIH	19.80	21.00	20.45	21.40	24.20	22.83	53.60	57.30	55.60	8.60	9.80	9.08
CHASNALA	18.30	29.70	22.49	16.90	26.30	22.19	48.00	59.00	54.24	7.50	9.90	9.05
BHOJUDIHI	20.00	27.20	22.28	21.40	26.20	23.77	50.40	56.40	52.86	8.80	9.60	9.04
DAHIBARI	19.00	26.40	22.03	21.90	25.90	23.69	49.90	56.30	53.22	8.50	10.20	9.11
<b><u>IMPORTED</u></b>												
U .S .A.(H)	7.20	11.50	8.97	23.70	29.80	25.75	59.90	66.50	64.22	8.00	9.80	9.10
AUSTRALIA(H)	8.00	11.50	9.87	20.00	25.80	21.96	63.50	69.40	67.15	8.00	9.90	9.14
BENGA T-M	12.00	16.20	13.67	23.30	27.20	24.97	58.20	62.30	60.30	8.60	9.80	9.21
AUSTRALIA(T-LVHR)	9.50	12.10	10.89	18.50	22.80	20.27	64.30	70.10	67.84	8.00	9.90	9.14
AUSTRALIA(S)	8.50	9.80	8.92	26.20	28.60	27.16	60.50	63.90	62.84	8.50	9.40	9.10
CANADA	8.00	10.00	8.69	23.70	27.70	25.46	63.20	66.00	64.81	8.00	9.80	9.11
USA T (SOFT)	6.30	10.30	8.55	29.00	36.50	32.21	55.20	61.40	58.15	8.00	9.80	9.08
INDONESIA	6.80	15.10	9.59	23.80	27.20	25.47	58.40	66.80	63.88	8.00	9.80	9.13
AUS -T (S)	6.60	10.30	7.82	29.20	35.70	33.26	55.80	62.50	57.82	8.00	9.80	9.15
TKS 9.5	8.70	10.20	9.52	30.40	33.50	31.75	56.10	59.00	57.67	8.00	9.40	8.88

**गुणवत्ता सांख्यिकी**  
**QUALITY STATISTICS**

**CO & BPP(SUMMARY)**

Unit - %

Table No. 23.1 (Contd.)

ITEMS	Min.	Max.	Avg.	ITEMS	Min.	Max.	Avg.
CHEMICAL ANALYSIS OF COAL BLEND				CHEMICAL ANALYSIS OF GROSS COKE			
ASH	11.00	12.80	11.83	ASH	14.10	16.60	15.34
				V.M.	0.60	1.00	0.77
V.M.	23.50	25.80	24.59	F.C.	82.60	85.10	83.90
				W.M.	3.50	5.70	4.66
F.C.	62.30	64.90	63.58	M 40	76.10	80.00	77.58
				M 10	8.60	10.60	9.48
W.M.	7.90	9.40	8.71	SIEVE ANALYSIS OF GROSS COKE			
Coal Crushing (-3.2 mm)	76.00	84.00	81.31	-100 +80 mm	7.50	12.40	9.83
				-25 mm	6.70	10.80	8.24



**गुणवत्ता सांख्यिकी**  
**QUALITY STATISTICS**

**SINTERING PLANT (SUMMARY)**

Unit - %

Table No. 23.1 (Contd.)

<b>ITEMS</b>	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>	<b>ITEMS</b>	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>
<b><u>IRON ORE FINES</u></b>				<b><u>LIME STONE + DOLOMITE</u></b>			
<b>CHEMICAL ANALYSIS</b>				<b>CHEMICAL ANALYSIS</b>			
T. Fe.	59.52	61.78	60.67	SiO <sub>2</sub>	1.79	3.56	2.66
SiO <sub>2</sub>	3.53	5.84	4.60	CaO	33.87	74.00	36.24
Al <sub>2</sub> O <sub>3</sub>	1.91	3.74	2.78	MgO	8.20	10.23	9.44
<b>SIEVE ANALYSIS</b>				<b>SIEVE ANALYSIS</b>			
+10 mm	3.20	15.30	6.98	-3 mm	62.50	94.30	87.21
<b>SIEVE ANALYSIS</b>				<b>COKE BREEZE</b>			
-3 mm	49.30	69.70	62.04	-3 mm	58.50	86.60	80.57

**गुणवत्ता आंखिकी**  
**QUALITY STATISTICS**

**BLAST FURNACE (SUMMARY)**

Unit - %

Table No. 23.1 (Contd.)

ITEMS		Min.	Max.	Avg.	ITEMS		Min.	Max.	Avg.
<b>CHEMICAL ANALYSIS OF RAW MATERIALS</b>					<b>CHEMICAL ANALYSIS OF HOT METAL</b>				
<b>IRON ORE (LUMP)</b>	T. Fe	60.06	63.76	62.47	<b>Furnace 1</b>	C	-	-	-
	SiO <sub>2</sub>	1.84	4.87	3.18		Si	0.13	7.90	0.94
	Al <sub>2</sub> O <sub>3</sub>	1.28	3.98	2.44		Mn	0.02	0.09	0.05
<b>SKIP SINTER</b>	T. Fe	53.35	56.92	55.03	<b>Furnace 2</b>	S	0.008	0.166	0.022
	FeO	7.87	9.28	8.67		P	0.080	0.220	0.140
	SiO <sub>2</sub>	4.81	7.05	5.98		C	-	-	-
	Al <sub>2</sub> O <sub>3</sub>	2.12	3.17	2.57		Si	0.13	2.85	0.77
	CaO	8.99	11.67	10.41	Mn	0.01	0.24	0.06	
	MgO	2.41	3.08	2.71	S	0.009	0.169	0.029	
	Basicity (CaO/SiO <sub>2</sub> )	1.50	2.04	1.75	P	0.097	0.240	0.143	
<b>SEIVE ANALYSIS OF IRON ORE LUMP</b>					<b>Furnace 3</b>	C	-	-	-
	-80 + 40 mm	4.60	34.10	14.04		Si	0.15	10.58	0.81
	-40 +25 mm	9.00	38.00	20.86		Mn	0.01	0.23	0.05
	-25 +10 mm	26.40	55.50	41.14		S	0.008	0.226	0.030
	-10 +5 mm	12.50	53.50	23.96		P	0.088	0.259	0.137
<b>SEIVE ANALYSIS OF SKIP SINTER</b>					<b>Furnace 4</b>	C	-	-	-
	-80 + 40 mm	0.40	44.20	8.28		Si	0.220	3.330	0.860
	-40 +25 mm	2.70	41.20	16.20		Mn	0.01	0.18	0.05
	-25 +10 mm	14.40	75.50	48.35		S	0.010	0.099	0.030
	-10 +5 mm	3.60	40.90	20.98		P	0.100	0.214	0.134
	-5 mm				<b>Furnace 5</b>	C	-	-	-
						Si	0.11	2.27	0.77
						Mn	0.01	0.20	0.05
						S	0.010	0.133	0.030
						P	0.092	0.241	0.133
					<b>SHOP</b>	C	-	-	-
						Si	0.11	10.58	0.80
						Mn	0.01	0.24	0.05
						S	0.008	0.226	0.029
						P	0.080	0.259	0.138

**गुणवत्ता आंखिकी**  
**QUALITY STATISTICS**

**BLAST FURNACE (SUMMARY)**

Unit - %

Table No. 23.1 (Contd.)

ITEMS		ITEMS	Min.	Max.	Avg.
<b>SILICON DISTRIBUTION IN CAST</b>		<b>CHEMICAL ANALYSIS OF SLAG</b>			
Below 0.8	55.97	SiO <sub>2</sub>	29.92	40.70	33.13
0.80 to 0.99	30.26	Al <sub>2</sub> O <sub>3</sub>	15.12	32.73	19.29
1.00 to 1.29	11.23	CaO	21.85	40.33	35.30
1.30 & above	2.54	MgO	6.08	10.30	9.23
		FeO	0.04	4.77	0.34
<b>SULPHUR DISTRIBUTION IN CAST</b>		MnO	0.03	0.88	0.13
Below 0.040	82.82	S	0.22	2.70	0.71
0.040 to 0.044	5.74	Basicity (CaO/SiO <sub>2</sub> )	0.65	1.35	1.07
0.045 to 0.049	3.58				
0.050 & above	7.86				

**गुणवत्ता आंखिकी**  
**QUALITY STATISTICS**

**SUMMARY**

Unit - %

Table No. 23.1

ITEMS	Min.	Max.	Avg.	Items	Min.	Max.	Avg.
<b>COKE OVEN GAS</b>				<b>BLAST FURNACE GAS</b>			
CO <sub>2</sub>	2.50	2.20	2.40	CO <sub>2</sub>	17.6	18.8	18.2
O <sub>2</sub>	1.00	0.70	0.90	O <sub>2</sub>	0.2	0.2	0.2
C <sub>m</sub> H <sub>n</sub>	2.70	2.22	2.50	CO	25.1	26.3	25.7
CO	7.20	6.60	6.80	H <sub>2</sub>	4.7	5.2	5.0
H <sub>2</sub>	57.30	55.20	56.20	N <sub>2</sub>	49.9	52.4	50.9
CH <sub>4</sub>	23.90	22.50	23.10	C.V.(K.Cal/m <sup>3</sup> )	882.0	930.0	912.0
N <sub>2</sub>	8.90	7.50	8.10	Density(Kg/m <sup>3</sup> )	1.317	1.329	1.322
C.V.(K.Cal/m <sup>3</sup> )	4143	4001	4069	<b>POWER PLANT</b>			
Density(Kg/m <sup>3</sup> )	0.505	0.482	0.492	<b>ANALYSIS OF MIDDLEING COAL</b>			
				Ash	46.41	41.62	43.59
				V.M.	20.08	17.64	18.84
				F.C.	39.39	35.31	37.49
				C.V.(Cal/gm)	4464.4	3912.0	4163.5

**कोयला का विश्लेषण**  
**ANALYSIS OF COAL**

CANADA

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.60	9.80	9.07	8.20	10.00	8.84	23.70	26.20	25.16	64.20	65.40	64.97
MAY	8.50	9.20	8.88	8.20	8.80	8.50	24.50	26.60	25.30	63.90	66.00	65.18
JUN	8.00	9.30	8.90	8.00	9.50	8.62	24.80	27.70	25.70	63.20	65.40	64.63
JUL	8.80	9.60	9.24	8.00	9.40	8.77	24.80	26.40	25.48	63.50	65.80	64.73
AUG	9.00	9.50	9.29	8.20	8.90	8.48	24.80	26.80	25.74	63.90	65.30	64.70
SEP	9.10	9.40	9.23	8.80	9.60	9.13	24.90	25.30	25.10	64.00	65.00	64.70
OCT	-	-	-	-	-	-	-	-	-	-	-	-
NOV	-	-	-	-	-	-	-	-	-	-	-	-
DEC	-	-	-	-	-	-	-	-	-	-	-	-
JAN' 20	-	-	-	-	-	-	-	-	-	-	-	-
FEB	-	-	-	-	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-	-	-	-	-
<b>2019-20</b>	<b>8.00</b>	<b>9.80</b>	<b>9.11</b>	<b>8.00</b>	<b>10.00</b>	<b>8.69</b>	<b>23.70</b>	<b>27.70</b>	<b>25.46</b>	<b>63.20</b>	<b>66.00</b>	<b>64.81</b>
2018-19	8.00	9.80	9.18	7.70	10.90	8.80	21.20	27.20	25.00	61.90	69.10	65.16
2017-18	8.40	9.40	8.87	7.90	8.60	8.21	23.90	27.60	25.68	63.20	67.10	65.09
2016-17	-	-	-	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-	-

# कोयला का विश्लेषण ANALYSIS OF COAL

AUS -T (S)

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.60	9.40	9.06	7.00	9.20	7.67	30.60	35.00	32.77	56.30	61.10	58.52
MAY	8.80	9.70	9.16	7.00	10.30	8.16	32.90	34.70	33.55	55.80	58.30	57.25
JUN	8.60	9.60	9.11	6.60	8.60	7.70	32.30	35.00	33.79	56.10	58.50	57.43
JUL	8.00	9.80	9.16	6.60	9.20	8.23	30.10	34.80	32.18	55.90	60.20	58.51
AUG	8.80	9.60	9.20	6.90	9.20	7.82	31.40	34.80	33.56	56.30	59.00	57.53
SEP	8.80	9.60	9.30	6.90	7.60	7.22	32.50	34.60	33.95	56.70	59.20	57.75
OCT	8.80	9.80	9.05	7.00	9.00	8.05	31.10	35.70	33.18	55.80	59.60	57.67
NOV	8.80	9.20	8.99	7.10	8.50	7.76	29.20	33.80	32.18	57.20	62.50	58.95
DEC	8.80	9.70	9.21	7.10	9.90	7.99	31.40	34.10	33.00	57.10	58.70	57.89
JAN' 20	8.80	9.60	9.19	6.60	8.80	7.56	29.90	35.20	33.48	56.30	60.30	57.85
FEB	8.80	9.60	9.17	7.20	8.80	7.88	31.70	34.60	33.65	55.80	58.90	57.32
MAR	8.70	9.40	9.08	7.20	9.00	7.67	32.40	35.30	34.02	55.80	59.10	57.22
<b>2019-20</b>	<b>8.00</b>	<b>9.80</b>	<b>9.15</b>	<b>6.60</b>	<b>10.30</b>	<b>7.82</b>	<b>29.20</b>	<b>35.70</b>	<b>33.26</b>	<b>55.80</b>	<b>62.50</b>	<b>57.82</b>
2018-19	8.40	9.80	9.22	6.20	9.80	8.13	26.20	35.60	32.23	56.40	64.10	58.59
2017-18	-	-	-	-	-	-	-	-	-	-	-	-
2016-17	-	-	-	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-	-

# कोयला का विश्लेषण ANALYSIS OF COAL

USA-T (S)

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.80	9.50	8.93	7.00	9.90	8.92	29.00	35.00	31.14	56.80	60.60	58.93
MAY	8.00	9.20	8.81	6.60	9.70	8.15	30.60	35.90	33.54	55.30	59.90	57.28
JUN	8.90	9.10	9.00	6.30	8.20	7.50	34.60	35.50	34.97	56.10	57.10	56.47
JUL	-	-	-	-	-	-	-	-	-	-	-	-
AUG	-	-	-	-	-	-	-	-	-	-	-	-
SEP	9.20	9.40	9.31	6.90	8.80	7.94	34.00	35.10	34.63	55.20	57.10	56.31
OCT	8.80	9.60	9.15	6.40	9.10	8.06	31.20	36.50	33.47	56.00	58.70	57.36
NOV	8.50	9.50	8.94	7.90	9.20	8.38	29.00	33.90	30.69	56.80	61.40	59.81
DEC	8.90	9.50	9.18	8.10	10.30	8.94	29.70	32.90	31.36	57.20	59.70	58.56
JAN' 20	9.00	9.60	9.28	8.20	9.90	8.95	30.00	32.70	31.58	56.70	59.50	58.33
FEB	-	-	-	-	-	-	-	-	-	-	-	-
MAR	8.90	9.80	9.21	8.00	9.80	9.02	29.90	34.10	32.17	56.20	60.20	57.73
<b>2019-20</b>	<b>8.00</b>	<b>9.80</b>	<b>9.08</b>	<b>6.30</b>	<b>10.30</b>	<b>8.55</b>	<b>29.00</b>	<b>36.50</b>	<b>32.21</b>	<b>55.20</b>	<b>61.40</b>	<b>58.15</b>
2018-19	8.50	9.80	9.32	6.20	10.50	8.13	25.00	35.70	32.23	56.50	64.50	58.59
2017-18	9.00	9.60	9.29	6.50	9.40	8.45	26.00	30.20	28.56	60.30	63.60	61.93
2016-17	-	-	-	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-	-

# कोयला का विश्लेषण ANALYSIS OF COAL

**BENGA T-M**

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	-	-	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-	-	-
JUN	8.60	9.60	9.15	12.20	14.50	13.31	24.30	27.20	25.61	58.20	61.40	60.03
JUL	9.10	9.40	9.26	12.70	14.00	13.32	23.30	26.80	25.04	59.30	62.00	60.57
AUG	8.80	9.70	9.33	12.50	13.90	13.16	24.30	26.50	25.53	59.10	61.40	60.27
SEP	8.60	9.60	9.14	12.70	14.70	13.76	24.40	25.90	25.01	59.30	61.20	60.16
OCT	8.80	9.70	9.20	12.00	14.00	13.36	24.00	25.50	24.79	59.70	62.30	60.79
NOV	8.80	9.40	9.07	12.20	15.00	13.63	24.10	25.70	24.70	59.80	61.60	60.60
DEC	8.80	9.80	9.24	13.50	15.20	14.14	24.20	25.60	24.65	59.10	61.00	60.14
JAN' 20	8.90	9.60	9.24	12.80	16.20	15.00	23.40	25.70	24.41	58.20	61.50	59.53
FEB	-	-	-	-	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-	-	-	-	-
<b>2019-20</b>	<b>8.60</b>	<b>9.80</b>	<b>9.22</b>	<b>12.00</b>	<b>16.20</b>	<b>13.67</b>	<b>23.30</b>	<b>27.20</b>	<b>24.97</b>	<b>58.20</b>	<b>62.30</b>	<b>60.30</b>
2018-19	8.60	9.80	9.25	8.30	14.30	12.47	18.00	25.50	23.09	59.80	71.80	63.41
2017-18	8.80	10.00	9.29	9.00	13.80	11.42	18.70	23.00	20.94	62.50	71.10	66.53
2016-17	8.60	12.00	9.27	4.60	13.50	11.04	18.20	29.20	20.85	63.40	69.50	67.05
2015-16	-	-	-	-	-	-	-	-	-	-	-	-



# कोयला का विश्लेषण ANALYSIS OF COAL

AUSTRALIA (T LVHR)

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.50	9.40	9.02	10.40	11.80	10.98	18.50	22.80	20.38	64.30	70.10	67.61
MAY	8.00	9.20	8.64	10.40	11.80	11.16	19.60	20.40	19.94	67.00	68.60	67.88
JUN	9.00	9.00	9.00	11.30	11.30	11.30	20.20	20.20	20.20	67.50	67.50	67.50
JUL	-	-	-	-	-	-	-	-	-	-	-	-
AUG	8.80	9.80	9.34	9.60	11.40	10.45	19.80	21.80	20.87	67.40	68.40	67.65
SEP	8.80	9.60	9.24	9.60	12.10	11.23	18.70	21.50	19.95	66.20	69.50	67.80
OCT	8.80	9.60	9.21	9.90	11.80	10.76	19.00	22.80	20.21	65.90	69.10	68.02
NOV	9.10	9.20	9.17	9.60	10.90	10.08	20.10	22.20	21.20	67.00	68.60	67.73
DEC	8.80	9.90	9.49	10.90	11.60	11.24	19.50	20.70	20.20	67.10	68.00	67.53
JAN' 20	8.80	9.60	9.30	10.10	11.50	10.82	19.50	21.10	20.30	67.20	69.20	67.90
FEB	8.80	9.40	9.14	10.30	11.80	10.94	19.20	20.90	20.11	66.80	68.90	67.99
MAR	8.80	9.20	9.02	9.50	11.50	10.71	19.10	21.50	20.32	67.10	68.60	67.99
<b>2019-20</b>	<b>8.00</b>	<b>9.90</b>	<b>9.14</b>	<b>9.50</b>	<b>12.10</b>	<b>10.89</b>	<b>18.50</b>	<b>22.80</b>	<b>20.27</b>	<b>64.30</b>	<b>70.10</b>	<b>67.84</b>
2018-19	8.60	9.70	9.23	8.40	12.60	10.55	18.60	32.50	20.67	58.10	69.70	67.74
2017-18	8.50	9.80	9.05	8.20	13.00	10.76	17.80	24.90	19.92	65.20	70.60	68.19
2016-17	8.60	12.00	9.27	4.60	13.50	11.04	18.20	29.20	20.85	63.40	69.50	67.05
2014-15	-	-	-	-	-	-	-	-	-	-	-	-

# कोयला का विश्लेषण ANALYSIS OF COAL

TKS 9.5

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19												
MAY	8.00	8.60	8.30	9.30	9.60	9.45	32.90	33.50	33.15	56.10	56.60	56.35
JUN	8.90	9.00	8.95	8.70	8.80	8.75	32.10	32.30	32.20	57.90	58.10	58.00
JUL	-	-	-	-	-	-	-	-	-	-	-	-
AUG	9.00	9.30	9.20	9.80	10.20	9.98	30.40	31.20	30.68	57.90	58.60	58.28
SEP	9.20	9.40	9.30	9.40	9.60	9.50	30.50	30.80	30.65	58.50	59.00	58.75
OCT	-	-	-	-	-	-	-	-	-	-	-	-
NOV	-	-	-	-	-	-	-	-	-	-	-	-
DEC	-	-	-	-	-	-	-	-	-	-	-	-
JAN' 20	-	-	-	-	-	-	-	-	-	-	-	-
FEB	-	-	-	-	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-	-	-	-	-
2019-20	8.00	9.40	8.88	8.70	10.20	9.52	30.40	33.50	31.75	56.10	59.00	57.67

# कोयला का विश्लेषण ANALYSIS OF COAL

INDONESIA

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.50	9.30	8.96	7.20	9.80	9.04	23.80	26.30	24.68	64.00	66.40	65.25
MAY	8.60	9.10	8.93	7.40	8.30	7.89	25.00	25.80	25.47	65.00	66.60	65.63
JUN	8.00	9.30	8.85	6.80	10.50	8.02	24.90	27.20	25.84	63.50	66.80	65.13
JUL	-	-	-	-	-	-	-	-	-	-	-	-
AUG	-	-	-	-	-	-	-	-	-	-	-	-
SEP	9.00	9.80	9.35	8.80	13.10	9.91	24.50	26.00	25.41	61.40	64.80	63.61
	-	-	-	-	-	-	-	-	-	-	-	-
OCT	8.60	9.60	9.18	8.70	10.60	9.54	24.20	26.20	25.22	63.10	65.90	64.18
NOV	8.80	9.50	9.10	8.50	9.80	9.36	24.80	26.40	25.54	63.20	64.90	64.00
DEC												
JAN' 20	8.90	9.50	9.28	8.80	11.20	10.17	24.60	26.50	25.59	62.20	64.90	63.16
FEB	8.50	9.50	9.23	7.80	10.90	9.37	25.00	26.70	25.94	62.40	65.20	63.61
MAR	8.80	9.30	9.13	10.20	15.10	12.28	24.50	26.00	25.52	58.40	63.10	61.15
<b>2019-20</b>	<b>8.00</b>	<b>9.80</b>	<b>9.13</b>	<b>6.80</b>	<b>15.10</b>	<b>9.59</b>	<b>23.80</b>	<b>27.20</b>	<b>25.47</b>	<b>58.40</b>	<b>66.80</b>	<b>63.88</b>
2018-19	8.30	9.90	9.18	6.50	10.30	8.44	21.80	26.80	25.41	63.50	66.90	65.10
2017-18	8.20	10.00	9.05	6.30	9.80	8.38	20.20	26.80	24.68	62.50	69.30	65.87
2016-17	-	-	-	-	-	-	-	-	-	-	-	-
2015-16	-	-	-	-	-	-	-	-	-	-	-	-

# कोयला का विश्लेषण ANALYSIS OF COAL

**AUSTRALIA (HARD)**

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.40	9.70	9.10	8.70	10.90	9.73	20.40	23.20	21.92	65.70	69.20	67.32
MAY	8.00	9.80	8.88	8.50	11.10	10.11	20.00	22.80	21.11	66.10	69.00	67.77
JUN	8.20	9.50	9.00	8.90	11.40	10.19	20.00	23.50	21.39	65.70	68.70	67.41
JUL	8.90	9.70	9.22	8.70	11.50	9.90	20.10	24.00	21.86	65.20	69.10	67.23
AUG	8.90	9.50	9.26	8.40	11.00	10.17	20.00	22.80	21.74	65.60	68.90	67.07
SEP	8.80	9.90	9.23	8.60	10.90	9.95	20.90	25.80	21.83	63.50	68.30	67.18
OCT	8.60	9.80	9.16	8.70	11.20	9.76	20.20	23.70	21.75	65.60	69.40	67.45
NOV	8.10	9.40	9.05	8.10	11.50	9.79	20.20	23.40	21.97	65.20	68.60	67.25
DEC	8.70	9.80	9.24	8.20	11.50	9.79	20.20	24.10	22.03	66.10	68.50	67.17
JAN' 20	8.90	9.90	9.28	8.40	10.80	9.79	20.50	23.80	22.38	65.50	68.60	66.82
FEB	8.80	9.60	9.17	8.40	10.80	9.53	20.70	24.00	22.27	65.50	68.90	67.20
MAR	8.50	9.40	9.07	8.00	10.80	9.77	21.90	24.40	23.40	64.60	67.40	65.82
<b>2019-20</b>	<b>8.00</b>	<b>9.90</b>	<b>9.14</b>	<b>8.00</b>	<b>11.50</b>	<b>9.87</b>	<b>20.00</b>	<b>25.80</b>	<b>21.96</b>	<b>63.50</b>	<b>69.40</b>	<b>67.15</b>
2018-19	8.00	9.80	9.13	7.00	11.90	9.74	18.40	23.80	21.39	64.80	70.40	67.85
2017-18	8.00	10.40	9.16	8.00	11.80	9.68	19.00	25.90	21.43	64.10	70.20	67.87
2016-17	8.00	10.20	9.08	7.70	13.20	9.62	19.10	27.20	22.09	62.10	70.60	67.25
2015-16	7.20	10.20	9.01	7.70	13.40	9.44	20.00	25.40	21.90	62.30	70.10	67.60

# कोयला का विश्लेषण ANALYSIS OF COAL

AUSTRALIA (SOFT)

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	-	-	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-	-	-
JUN	-	-	-	-	-	-	-	-	-	-	-	-
JUL	-	-	-	-	-	-	-	-	-	-	-	-
AUG	-	-	-	-	-	-	-	-	-	-	-	-
SEP	-	-	-	-	-	-	-	-	-	-	-	-
OCT	-	-	-	-	-	-	-	-	-	-	-	-
NOV	-	-	-	-	-	-	-	-	-	-	-	-
DEC	-	-	-	-	-	-	-	-	-	-	-	-
JAN' 20	-	-	-	-	-	-	-	-	-	-	-	-
FEB	9.10	9.30	9.20	8.50	9.80	9.03	26.40	28.60	27.27	60.50	63.70	62.60
MAR	8.50	9.40	8.95	8.70	8.80	8.75	26.20	27.80	27.00	62.50	63.90	63.20
<b>2019-20</b>	<b>8.50</b>	<b>9.40</b>	<b>9.10</b>	<b>8.50</b>	<b>9.80</b>	<b>8.92</b>	<b>26.20</b>	<b>28.60</b>	<b>27.16</b>	<b>60.50</b>	<b>63.90</b>	<b>62.84</b>
2018-19	8.40	9.60	9.14	6.90	9.80	8.77	23.30	29.30	25.71	60.60	68.10	64.47
2017-18	8.00	10.20	9.08	6.20	10.50	8.77	22.10	31.80	25.88	59.50	68.20	64.26
2016-17	8.00	10.00	9.02	7.00	11.70	9.12	19.80	29.40	25.67	59.30	68.80	64.10
2015-16	8.20	9.90	8.98	5.40	11.70	9.17	21.20	30.40	26.39	58.90	68.90	63.28

# कोयला का विश्लेषण ANALYSIS OF COAL

AMERICA (HARD)

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	8.30	9.50	8.96	8.20	10.20	9.24	23.80	27.20	25.06	63.50	65.60	64.67
MAY	8.00	9.40	8.95	8.50	10.90	9.39	23.90	26.50	25.29	62.80	65.70	64.29
JUN	8.80	9.40	9.12	7.40	9.90	8.66	23.80	27.20	25.72	63.30	66.20	64.59
JUL	8.60	9.50	9.11	8.00	10.60	9.12	23.70	26.80	25.66	63.30	66.50	64.18
AUG	9.00	9.50	9.23	8.00	11.50	8.91	23.70	27.00	25.64	63.10	65.40	64.37
SEP	-	-	-	-	-	-	-	-	-	-	-	-
OCT	9.00	9.30	9.15	8.50	10.00	8.87	24.50	25.20	24.95	63.80	65.90	65.08
NOV	8.60	9.40	8.97	8.00	10.70	9.46	24.40	26.90	25.83	61.60	64.80	63.63
DEC	8.90	9.80	9.38	8.00	9.70	9.03	25.80	29.60	27.24	59.90	64.30	62.63
JAN' 20	9.00	9.60	9.34	7.40	10.20	8.74	25.40	29.80	26.74	60.50	64.80	63.43
FEB	8.80	9.50	9.06	7.60	10.70	8.51	24.10	27.40	26.11	63.30	65.70	64.32
MAR	8.60	9.50	9.02	7.20	9.80	8.69	24.00	27.00	25.70	62.80	65.60	64.54
<b>2019-20</b>	<b>8.00</b>	<b>9.80</b>	<b>9.10</b>	<b>7.20</b>	<b>11.50</b>	<b>8.97</b>	<b>23.70</b>	<b>29.80</b>	<b>25.75</b>	<b>59.90</b>	<b>66.50</b>	<b>64.22</b>
2018-19	8.00	9.80	9.14	6.60	10.60	8.73	22.40	28.40	25.65	61.60	68.70	64.59
2017-18	8.00	10.20	9.10	6.10	11.00	8.41	20.30	28.70	25.38	61.60	69.10	65.11
2016-17	7.80	9.80	8.99	6.30	15.10	8.88	20.50	29.60	25.96	58.80	67.60	64.06
2015-16	8.20	10.00	9.00	6.40	13.30	8.91	20.00	29.20	25.89	60.70	69.10	64.08

# कोयला का विश्लेषण

## ANALYSIS OF COAL

**BLEND COAL**

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	7.90	9.00	8.58	11.00	12.30	11.50	23.50	25.20	24.33	63.10	64.90	64.17
MAY	8.00	9.20	8.45	11.00	12.20	11.57	23.70	24.80	24.25	63.50	64.80	64.18
JUN	7.90	9.00	8.50	11.30	12.30	11.86	23.60	24.70	24.19	63.30	64.40	63.96
JUL	8.40	9.20	8.67	11.60	12.70	12.02	24.00	24.90	24.53	62.80	64.00	63.45
AUG	8.40	9.20	8.71	11.10	12.20	11.72	24.30	24.90	24.57	63.30	64.20	63.71
SEP	8.40	9.40	8.76	11.10	12.70	12.05	23.60	25.10	24.30	62.40	64.20	63.65
OCT	8.40	9.40	8.83	11.00	12.80	11.78	24.20	25.80	24.85	62.30	64.50	63.37
NOV	8.40	9.20	8.74	11.00	12.50	11.79	24.00	25.00	24.66	62.70	64.30	63.55
DEC	8.40	9.30	8.81	11.40	12.50	11.91	24.20	25.50	24.67	62.70	64.00	63.43
JAN' 20	8.40	9.40	8.92	11.50	12.40	11.96	24.50	25.30	24.93	62.70	63.60	63.11
FEB	8.40	9.40	8.82	11.50	12.30	11.91	24.40	25.30	24.84	62.70	63.90	63.25
MAR	8.30	9.20	8.77	11.40	12.30	11.86	24.20	25.60	24.91	62.70	64.10	63.22
<b>2019-20</b>	<b>7.90</b>	<b>9.40</b>	<b>8.71</b>	<b>11.00</b>	<b>12.80</b>	<b>11.83</b>	<b>23.50</b>	<b>25.80</b>	<b>24.59</b>	<b>62.30</b>	<b>64.90</b>	<b>63.57</b>
2018-19	8.00	9.60	8.65	9.80	12.60	11.46	23.00	24.80	23.79	63.50	66.60	64.75
2017-18	8.00	9.60	8.63	10.60	12.90	11.93	22.70	24.60	23.46	63.40	66.10	64.61
2016-17	8.00	10.20	8.63	9.00	15.60	11.67	22.50	24.80	23.60	61.70	66.60	64.74
2015-16	7.00	10.00	8.54	9.00	12.80	10.98	22.20	25.00	23.62	63.50	68.20	65.40

# कोयला का विश्लेषण ANALYSIS OF COAL

BLEND COAL PERIOD	Table No.23.2(Contd.)								
	Unit - %						SIEVE ANALYSIS (-3.2 mm.)		
	P			S					
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	0.101	0.101	0.101	0.659	0.726	0.693	80.00	83.00	82.13
MAY	0.089	0.089	0.089	0.706	0.756	0.731	80.00	84.00	81.79
JUN	0.092	0.092	0.092	0.620	0.652	0.636	80.00	83.00	81.88
JUL	0.104	0.104	0.104	0.590	0.618	0.604	80.00	83.00	81.94
AUG	0.108	0.108	0.108	0.618	0.625	0.622	79.00	84.00	81.83
SEP	0.095	0.095	0.095	0.645	0.687	0.666	78.00	83.00	81.39
OCT	0.096	0.096	0.096	0.678	0.696	0.687	77.00	83.00	80.86
NOV	0.094	0.094	0.094	0.645	0.673	0.659	79.00	83.00	81.64
DEC	0.090	0.090	0.090	0.659	0.673	0.666	79.00	83.00	81.50
JAN' 20	0.101	0.101	0.101	0.625	0.652	0.639	76.00	83.00	79.92
FEB	-	-	-	-	-	-	77.00	82.00	79.77
MAR	0.095	0.095	0.095	0.618	0.659	0.639	78.00	83.00	81.10
<b>2019-20</b>	<b>0.089</b>	<b>0.108</b>	<b>0.097</b>	<b>0.590</b>	<b>0.756</b>	<b>0.658</b>	<b>76.00</b>	<b>84.00</b>	<b>81.31</b>
2018-19	0.084	0.108	0.096	0.618	0.712	0.672	79.00	84.00	82.08
2017-18	0.088	0.113	0.097	0.659	0.797	0.735	80.00	84.00	82.13
2015-16	0.081	0.103	0.092	0.597	0.774	0.669	75.00	84.00	82.09
2014-15	0.074	0.108	0.093	0.563	0.818	0.706	78.00	86.00	82.22



**अकल कोक का विश्लेषण**  
**ANALYSIS OF GROSS COKE**

CO &amp; BPP

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS(BATTERY 1 TO 4)											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	3.50	5.30	4.46	14.20	15.70	14.75	0.70	0.90	0.80	83.50	85.00	84.45
MAY	4.00	5.00	4.33	14.10	15.20	14.63	0.70	0.90	0.78	84.00	85.10	84.59
JUN	3.80	4.90	4.34	14.50	15.50	15.01	0.70	0.80	0.76	83.70	84.70	84.23
JUL	3.80	5.30	4.35	14.90	15.90	15.32	0.70	0.90	0.73	83.40	84.30	83.95
AUG	3.90	5.00	4.40	15.00	15.80	15.40	0.70	0.90	0.75	83.50	84.20	83.86
SEP	3.90	5.00	4.50	15.10	16.30	15.57	0.70	0.90	0.79	83.00	84.00	83.64
OCT	4.00	5.10	4.52	14.30	16.60	15.36	0.60	1.00	0.78	82.70	84.90	83.86
NOV	4.00	4.60	4.29	14.60	16.00	15.28	0.70	0.90	0.79	83.20	84.50	83.92
DEC	3.80	5.10	4.40	15.30	16.30	15.73	0.70	0.90	0.77	83.00	83.90	83.50
JAN' 20	4.00	5.20	4.68	15.00	16.10	15.59	0.70	0.90	0.79	83.10	84.10	83.62
FEB	3.60	5.20	4.63	15.00	16.10	15.62	0.60	0.80	0.72	83.30	84.20	83.66
MAR	3.70	5.10	4.34	15.00	16.20	15.55	0.60	0.90	0.76	83.00	84.30	83.70
<b>2019-20</b>	<b>3.50</b>	<b>5.30</b>	<b>4.44</b>	<b>14.10</b>	<b>16.60</b>	<b>15.32</b>	<b>0.60</b>	<b>1.00</b>	<b>0.77</b>	<b>82.70</b>	<b>85.10</b>	<b>83.92</b>
2018-19	3.80	6.50	4.54	13.70	16.20	14.89	0.70	0.90	0.81	83.00	85.40	84.31
2017-18	4.00	5.80	4.96	13.40	16.30	15.27	0.70	1.00	0.81	82.90	85.80	83.92
2015-16	4.00	7.90	5.27	13.20	17.20	15.13	0.60	1.00	0.80	82.00	86.00	84.07
2014-15	4.00	6.80	5.05	12.90	16.00	14.44	0.60	0.90	0.79	83.20	86.20	84.77

**अकल कोक का विश्लेषण**  
**ANALYSIS OF GROSS COKE**

**CO & BPP**

**Unit - %**

Table No.23.2(Contd.)

PERIOD	MICUM DRUM TEST(BATTERY 1 TO 4)					
	+40 mm			-10 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	76.30	78.60	77.54	8.90	10.20	9.53
MAY	77.30	79.20	78.35	9.00	9.70	9.28
JUN	77.20	78.90	78.06	9.10	9.80	9.43
JUL	76.20	78.10	77.15	9.20	9.90	9.58
AUG	76.10	77.80	77.13	8.90	10.00	9.53
SEP	76.50	78.30	77.52	8.90	9.80	9.42
OCT	76.50	78.70	77.69	9.10	9.90	9.43
NOV	76.50	78.60	77.76	9.10	9.90	9.47
DEC	76.50	78.40	77.72	8.70	9.80	9.42
JAN' 20	77.00	79.30	78.00	8.60	9.80	9.30
FEB	76.70	78.80	77.35	9.20	9.90	9.59
MAR	76.70	78.60	77.37	9.20	9.90	9.67
<b>2019-20</b>	<b>76.10</b>	<b>79.30</b>	<b>77.64</b>	<b>8.60</b>	<b>10.20</b>	<b>9.47</b>
2018-19	76.80	80.70	78.87	8.50	10.60	9.30
2017-18	76.40	79.80	78.08	8.70	10.00	9.49
2016-17	71.20	82.50	77.71	7.00	11.90	9.58
2015-16	71.40	81.20	77.61	8.00	10.90	9.48

# अकल कोक का विश्लेषण ANALYSIS OF GROSS COKE

CO & BPP

Unit - %

Table No.23.2(Contd.)

PERIOD	PROXIMATE ANALYSIS ON DRY BASIS(BATTERY 5 TO 8)											
	W.M.			ASH			V.M.			F.C.		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	4.40	5.60	4.84	14.30	15.80	14.85	0.70	0.90	0.80	83.50	85.00	84.36
MAY	4.30	5.20	4.80	14.20	15.20	14.72	0.70	0.90	0.77	84.10	85.00	84.51
JUN	4.40	5.10	4.80	14.50	15.50	15.03	0.70	0.90	0.76	83.70	84.70	84.21
JUL	4.20	5.30	4.68	14.80	16.00	15.34	0.70	0.90	0.74	83.30	84.40	83.92
AUG	4.40	5.30	4.77	15.10	15.90	15.42	0.70	0.90	0.75	83.40	84.10	83.83
SEP	4.80	5.60	5.11	15.20	16.50	15.63	0.60	0.90	0.78	82.90	84.00	83.59
OCT	4.70	5.50	5.06	14.30	16.60	15.47	0.60	0.90	0.77	82.60	84.80	83.75
NOV	4.50	5.20	4.78	14.90	15.80	15.32	0.70	0.90	0.79	83.40	84.40	83.89
DEC	4.50	5.10	4.80	15.30	16.30	15.71	0.60	0.90	0.77	83.00	83.90	83.52
JAN' 20	4.50	5.20	4.92	15.10	16.10	15.61	0.60	0.90	0.78	83.20	84.00	83.61
FEB	4.50	5.60	5.03	15.10	16.00	15.63	0.60	0.90	0.72	83.30	84.20	83.65
MAR	4.10	5.70	4.94	14.90	16.10	15.55	0.60	0.90	0.76	83.10	84.30	83.70
<b>2019-20</b>	<b>4.10</b>	<b>5.70</b>	<b>4.88</b>	<b>14.20</b>	<b>16.60</b>	<b>15.36</b>	<b>0.60</b>	<b>0.90</b>	<b>0.77</b>	<b>82.60</b>	<b>85.00</b>	<b>83.88</b>
2018-19	3.80	7.00	4.64	13.70	16.10	14.90	0.70	1.00	0.81	83.20	85.50	84.29
2017-18	4.20	6.00	5.09	13.60	16.40	15.29	0.70	1.00	0.81	82.80	85.60	83.90
2016-17	4.10	7.80	5.80	13.30	16.60	15.19	0.70	1.00	0.80	82.60	85.90	84.01
2015-16	4.60	6.90	5.73	13.00	16.30	14.47	0.70	0.90	0.79	83.00	86.10	84.74

# अकल कोक का विश्लेषण ANALYSIS OF GROSS COKE

CO & BPP

Unit - %

Table No.23.2(Contd.)

PERIOD	MICUM DRUM TEST(BATTERY 5 TO 8)					
	+ 40 mm			- 10 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	76.10	78.00	77.17	9.20	10.60	9.70
MAY	77.10	78.90	77.99	9.10	9.80	9.46
JUN	77.00	78.50	77.86	9.20	9.80	9.49
JUL	76.40	78.60	77.28	9.00	9.80	9.55
AUG	75.00	77.90	77.18	8.80	10.00	9.48
SEP	76.50	77.90	77.31	8.90	9.90	9.53
OCT	76.50	78.40	77.57	8.70	9.80	9.48
NOV	76.90	78.40	77.68	9.10	9.90	9.47
DEC	76.80	78.50	77.83	8.90	9.80	9.35
JAN' 20	76.70	80.00	77.87	8.80	9.80	9.30
FEB	76.50	78.00	77.33	9.20	9.80	9.51
MAR	76.50	78.40	77.30	9.00	10.00	9.55
<b>2019-20</b>	<b>75.00</b>	<b>80.00</b>	<b>77.53</b>	<b>8.70</b>	<b>10.60</b>	<b>9.49</b>
2018-19	77.00	81.10	78.94	8.40	10.20	9.27
2017-18	76.40	79.80	78.10	8.80	10.20	9.52
2016-17	71.10	82.80	77.44	7.60	11.80	9.68
2015-16	71.00	81.60	77.58	8.10	12.70	9.51

**अकल कोक का चालन विश्लेषण**  
**SIEVE ANALYSIS OF GROSS COKE**

CO & BPP	Unit - %												Table No.23.2(Contd.)
	BATTERY NO. 1 TO 4						BATTERY NO. 5 TO 8						
	- 100 mm +80 mm			- 25 mm			- 100 mm +80 mm			- 25 mm			
PERIOD	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
APR'19	7.50	10.60	9.28	7.60	10.00	8.39	7.60	10.80	9.10	7.40	10.80	8.69	
MAY	9.00	11.20	10.21	7.50	8.90	8.09	8.60	10.40	9.43	7.40	9.80	8.38	
JUN	9.00	11.10	10.12	7.10	9.20	8.02	9.00	11.00	10.22	7.00	9.00	8.23	
JUL	9.50	11.20	9.00	7.80	8.80	8.34	9.00	11.00	10.02	8.00	9.60	8.48	
AUG	8.80	10.80	9.98	7.40	9.60	8.34	8.60	10.60	9.61	7.20	9.00	8.46	
SEP	9.00	10.80	10.02	7.60	9.20	8.22	9.20	11.40	9.96	8.00	9.20	8.33	
OCT	9.30	11.00	10.10	7.60	9.20	8.31	9.20	10.60	9.80	7.80	9.00	8.29	
NOV	9.20	10.80	9.92	7.80	9.00	8.23	8.90	10.50	9.86	7.20	9.40	8.28	
DEC	9.20	11.80	10.17	7.60	8.60	8.16	8.80	10.80	9.70	7.60	8.60	8.18	
JAN' 20	8.90	10.80	9.76	7.40	9.00	8.12	8.40	10.60	9.48	7.40	8.60	8.02	
FEB	8.30	11.80	9.73	6.80	9.00	8.03	8.60	12.40	10.02	7.00	9.20	8.11	
MAR	8.50	10.60	9.51	6.80	9.00	8.05	8.00	11.80	9.69	6.70	8.60	7.90	
<b>2019-20</b>	<b>7.50</b>	<b>11.80</b>	<b>9.92</b>	<b>6.80</b>	<b>10.00</b>	<b>8.19</b>	<b>7.60</b>	<b>12.40</b>	<b>9.74</b>	<b>6.70</b>	<b>10.80</b>	<b>8.28</b>	
2018-19	8.00	12.40	10.06	6.80	10.10	8.13	8.20	18.00	10.09	5.20	10.00	8.14	
2017-18	8.20	13.50	10.18	6.60	11.40	8.49	7.40	15.80	10.22	6.80	14.40	8.28	
2016-17	5.10	16.40	10.78	5.70	13.20	8.72	8.10	26.50	12.89	5.30	15.50	8.46	
2015-16	7.80	13.60	10.88	6.00	14.60	8.68	9.00	21.00	11.97	5.60	13.70	8.40	

कच्चे माल का रासायनिक विश्लेषण  
CHEMICAL ANALYSIS OF RAW MATERIALS

SINTERING PLANT

Unit - %

Table No.23.2(Contd.)

PERIOD	IRON ORE (FINES)								
	T. Fe.			SiO <sub>2</sub>			Al <sub>2</sub> O <sub>3</sub>		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	60.54	61.78	61.14	3.55	4.21	3.87	2.36	3.33	2.87
MAY	60.54	61.59	61.18	3.53	4.42	4.02	2.12	3.50	2.80
JUN	60.63	61.48	61.05	3.56	4.36	3.95	2.55	3.74	2.99
JUL	60.38	61.41	60.87	3.79	4.74	4.30	2.32	3.26	2.83
AUG	60.36	61.27	60.84	3.87	4.56	4.26	2.42	3.23	2.78
SEP	59.77	61.12	60.34	4.07	5.84	5.10	1.91	3.16	2.66
OCT	59.70	60.69	60.19	4.80	5.70	5.21	2.26	3.12	2.70
NOV	59.96	60.97	60.37	4.47	5.60	4.98	2.14	3.20	2.75
DEC	59.52	61.08	60.47	4.57	5.39	4.92	2.14	3.70	2.76
JAN' 20	59.76	60.81	60.25	4.62	5.23	4.95	2.30	3.49	2.98
FEB	60.05	61.15	60.52	4.40	5.39	4.93	2.18	3.14	2.65
MAR	60.15	61.42	60.76	4.13	5.16	4.75	2.19	3.07	2.53
<b>2019-20</b>	<b>59.52</b>	<b>61.78</b>	<b>60.67</b>	<b>3.53</b>	<b>5.84</b>	<b>4.60</b>	<b>1.91</b>	<b>3.74</b>	<b>2.78</b>
2018-19	60.24	62.01	61.08	2.64	4.62	3.84	1.78	3.87	2.84
2017-18	59.48	62.52	61.22	2.94	4.96	3.56	1.52	4.36	2.58
2016-17	60.49	63.24	61.72	2.20	4.37	3.47	1.57	3.81	2.62
2015-16	60.05	64.43	61.84	2.25	4.61	3.29	1.74	3.87	2.67

**कच्चे माल का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF RAW MATERIALS**

**SINTERING PLANT**

Unit - %

Table No.23.2(Contd.)

PERIOD	LIME STONE + DOLOMITE								
	SiO <sub>2</sub>			CaO			MgO		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	2.23	3.16	2.70	33.87	37.57	35.89	9.21	9.91	9.52
MAY	2.40	3.13	2.81	34.51	74.00	35.90	9.18	9.97	9.65
JUN	1.79	3.07	2.52	35.09	37.10	35.96	9.41	10.11	9.79
JUL	1.80	3.00	2.43	34.44	37.83	36.60	9.46	10.23	9.87
AUG	2.19	3.56	2.88	35.02	38.09	36.18	9.42	10.02	9.72
SEP	1.95	2.69	2.40	35.76	37.48	36.63	9.37	9.92	9.68
OCT	2.26	3.29	2.76	34.90	37.11	36.27	9.39	10.01	9.76
NOV	1.87	3.07	2.63	35.10	37.60	36.28	9.34	10.11	9.65
DEC	1.91	3.28	2.65	34.95	37.86	36.26	8.76	9.86	9.26
JAN' 20	2.03	3.15	2.71	34.15	37.39	36.53	8.45	9.20	8.79
FEB	2.42	3.39	2.77	33.98	37.83	36.21	8.46	9.56	8.90
MAR	2.36	2.85	2.63	35.07	37.18	36.19	8.20	9.34	8.67
<b>2019-20</b>	<b>1.79</b>	<b>3.56</b>	<b>2.66</b>	<b>33.87</b>	<b>74.00</b>	<b>36.24</b>	<b>8.20</b>	<b>10.23</b>	<b>9.44</b>
2018-19	1.32	3.59	2.64	32.91	38.20	35.64	8.70	10.33	9.57
2017-18	1.52	4.89	3.07	33.78	39.28	36.41	8.11	11.06	9.42
2016-17	2.23	4.31	3.23	33.20	40.05	36.65	7.88	12.04	9.78
2015-16	1.34	5.17	3.71	31.94	39.98	36.89	9.10	14.53	11.31

**कच्चे माल का चालन विश्लेषण**  
**SIEVE ANALYSIS OF RAW MATERIALS**

**SINTERING PLANT**

Unit - %

Table No.23.2(Contd.)

PERIOD	IRON ORE FINES		LIME STONE + DOLOMITE			COKE BREEZE		
	+ 3 mm	- 3 mm	- 3 mm			- 3 mm		
	Avg.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	37.12	62.88	78.90	94.20	91.52	62.50	85.70	81.12
MAY	35.91	64.09	67.30	64.30	88.67	58.50	85.10	81.00
JUN	35.44	64.56	80.00	91.80	88.65	78.10	84.30	81.93
JUL	36.20	63.80	74.00	90.40	83.96	75.10	84.10	80.83
AUG	38.29	61.71	72.60	87.10	82.00	74.50	84.10	81.01
SEP	41.96	58.04	74.50	88.20	82.49	76.00	83.50	80.70
OCT	41.77	58.23	62.50	84.00	79.42	63.50	81.80	77.86
NOV	37.89	62.11	72.90	92.30	88.06	64.70	83.90	78.53
DEC	37.49	62.51	85.20	93.20	91.28	80.00	86.60	81.16
JAN' 20	37.97	62.03	88.10	92.90	91.52	78.30	83.40	81.17
FEB	38.56	61.44	83.10	94.30	90.05	75.30	86.10	80.91
MAR	40.00	60.00	76.90	92.40	89.18	70.60	84.60	80.65
<b>2018-19</b>	<b>37.96</b>	<b>62.04</b>	<b>62.50</b>	<b>94.30</b>	<b>87.21</b>	<b>58.50</b>	<b>86.60</b>	<b>80.57</b>
2018-19	39.38	60.62	67.50	97.20	86.58	61.50	88.00	81.12
2017-18	39.73	60.27	70.80	98.70	89.79	72.70	90.00	83.36
2016-17	38.36	61.65	84.80	99.90	91.96	74.30	93.30	82.76
2015-16	38.67	61.33	80.00	92.80	90.52	75.00	86.50	81.40



कच्चे माल का रासायनिक विश्लेषण  
CHEMICAL ANALYSIS OF RAW MATERIALS

BLAST FURNACE

Unit - %

Table No.23.2(Contd.)

PERIOD	SKIP IRON ORE LUMP								
	T. Fe			SiO <sub>2</sub>			Al <sub>2</sub> O <sub>3</sub>		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	61.92	63.76	62.82	1.84	3.51	2.61	1.63	3.24	2.49
MAY	61.92	63.55	62.80	1.94	3.52	2.64	1.52	3.27	2.51
JUN	61.96	63.67	63.08	1.90	3.78	2.29	1.78	3.24	2.29
JUL	61.73	62.97	62.28	2.39	3.88	3.23	1.64	3.40	2.66
AUG	60.06	62.92	62.28	2.27	3.94	3.20	1.94	3.35	2.68
SEP	61.29	62.95	62.28	2.44	4.87	3.35	1.44	3.18	2.50
OCT	61.09	63.19	61.99	2.26	4.86	3.70	1.38	3.38	2.45
NOV	61.52	63.19	62.43	2.16	4.61	3.22	1.28	3.62	2.44
DEC	61.41	63.70	62.35	2.14	4.68	3.48	1.58	3.98	2.35
JAN' 20	61.41	63.48	62.56	1.96	4.25	3.28	1.59	3.39	2.28
FEB	61.42	63.24	62.44	2.39	4.58	3.46	1.50	3.11	2.28
MAR	61.55	63.37	62.37	2.38	4.67	3.51	1.51	3.90	2.33
<b>2018-19</b>	<b>60.06</b>	<b>63.76</b>	<b>62.47</b>	<b>1.84</b>	<b>4.87</b>	<b>3.18</b>	<b>1.28</b>	<b>3.98</b>	<b>2.44</b>
2018-19	61.85	63.89	62.91	1.72	4.11	2.60	1.15	3.25	2.36
2017-18	61.13	64.13	62.89	1.47	4.80	2.69	1.10	3.48	2.14
2016-17	62.27	64.67	63.76	1.46	4.42	2.33	0.91	4.07	1.89
2015-16	62.76	65.09	64.22	0.97	4.15	1.95	0.58	2.90	1.64

**कच्चे माल का चालन विश्लेषण**  
**SIEVE ANALYSIS OF RAW MATERIALS**

**BLAST FURNACE**

Unit - %

Table No.23.2(Contd.)

PERIOD	SKIP IRON ORE LUMP											
	+ 40 mm			+25 mm			+10 mm			-10 mm		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	7.30	18.50	12.59	12.10	26.80	19.84	33.40	48.20	41.55	20.30	37.30	26.02
MAY	10.00	34.10	16.15	14.00	26.40	19.69	26.40	48.50	39.95	15.90	35.50	24.21
JUN	11.00	30.60	15.36	13.30	23.10	19.86	33.30	45.20	39.57	18.50	31.10	25.21
JUL	10.40	23.00	15.26	14.90	29.60	20.65	32.40	47.30	40.86	14.50	30.80	23.23
AUG	11.20	22.20	14.84	15.60	25.50	20.95	36.10	50.80	41.74	14.40	29.40	22.47
SEP	9.20	26.20	14.53	16.20	25.80	20.43	29.30	50.80	41.26	18.30	32.30	23.78
OCT	10.00	17.80	14.28	15.90	23.90	20.46	37.40	46.80	41.25	19.70	29.50	24.02
NOV	7.10	21.30	13.38	10.20	33.60	21.63	31.30	50.60	40.56	13.10	38.80	24.43
DEC	4.60	22.00	14.52	9.00	38.00	21.39	32.10	49.20	39.68	12.50	53.50	24.41
JAN' 20	6.50	19.20	13.42	16.50	30.80	22.37	31.90	52.80	41.26	15.20	29.60	22.95
FEB	5.60	19.00	11.54	12.00	30.30	21.75	37.70	55.50	43.94	13.30	30.00	22.77
MAR	7.20	18.70	12.53	10.00	27.40	21.13	37.40	50.30	42.33	16.30	34.10	24.02
<b>2019-20</b>	<b>4.60</b>	<b>34.10</b>	<b>14.04</b>	<b>9.00</b>	<b>38.00</b>	<b>20.86</b>	<b>26.40</b>	<b>55.50</b>	<b>41.14</b>	<b>12.50</b>	<b>53.50</b>	<b>23.96</b>
2018-19	5.20	28.80	12.71	9.80	29.30	20.01	13.70	60.00	44.46	13.20	44.50	22.82
2017-18	2.60	39.10	12.53	8.20	39.80	21.72	22.10	61.40	44.47	10.40	34.90	21.29
2016-17	9.30	18.10	13.72	12.90	23.20	18.64	34.00	49.90	40.51	22.80	33.20	27.14
2015-16	8.50	19.10	13.91	14.70	25.00	18.95	30.10	48.60	40.20	21.40	32.70	26.94

**कच्चे माल का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF RAW MATERIALS**

**BLAST FURNACE**

Unit - %

Table No.23.2(Contd.)

PERIOD	SKIP SINTER								
	T. Fe			FeO			SiO <sub>2</sub>		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	55.37	56.83	56.04	7.87	8.90	8.61	4.98	5.57	5.29
MAY	55.02	56.91	55.82	8.26	9.03	8.69	5.00	5.77	5.42
JUN	55.13	56.92	56.05	8.00	8.90	8.64	4.81	5.54	5.19
JUL	55.16	56.86	55.90	8.26	9.03	8.68	5.01	5.81	5.48
AUG	54.98	56.06	55.57	8.26	9.28	8.76	5.34	5.90	5.62
SEP	54.26	56.20	54.96	8.12	9.15	8.71	5.38	6.81	6.30
OCT	53.90	54.91	54.46	8.00	9.15	8.74	6.15	6.87	6.54
NOV	53.42	55.03	54.22	8.00	9.28	8.58	5.90	7.05	6.40
DEC	53.66	54.82	54.12	8.26	8.90	8.62	6.08	6.59	6.39
JAN' 20	53.60	54.59	54.16	8.26	9.03	8.63	6.24	6.70	6.42
FEB	53.35	54.96	54.26	8.12	9.03	8.68	6.12	6.86	6.42
MAR	54.41	55.32	54.78	8.26	9.03	8.67	6.04	6.54	6.32
<b>2018-19</b>	<b>53.35</b>	<b>56.92</b>	<b>55.03</b>	<b>7.87</b>	<b>9.28</b>	<b>8.67</b>	<b>4.81</b>	<b>7.05</b>	<b>5.98</b>
2018-19	54.49	57.98	56.44	7.74	9.15	8.63	4.54	5.74	5.17
2017-18	54.51	58.96	56.57	7.35	9.41	8.74	4.56	6.28	5.09
2016-17	54.81	58.61	56.93	7.35	9.67	8.93	4.40	5.97	4.97
2015-16	53.44	58.40	56.37	8.12	10.44	9.02	3.81	6.15	4.96

**कच्चे माल का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF RAW MATERIALS**

**BLAST FURNACE**

Unit - %

Table No.23.2(Contd.)

PERIOD	SKIP SINTER									BASICITY
	Al <sub>2</sub> O <sub>3</sub>			CaO			MgO			
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
APR'19	2.36	2.72	2.55	9.11	10.45	9.78	2.44	2.85	2.61	1.85
MAY	2.14	2.80	2.48	8.99	10.71	9.99	2.41	2.90	2.69	1.84
JUN	2.36	2.85	2.66	9.04	10.70	9.80	2.48	2.85	2.66	1.89
JUL	2.29	2.68	2.47	9.21	10.55	9.84	2.44	2.92	2.67	1.80
AUG	2.17	2.59	2.39	9.82	10.75	10.18	2.63	2.90	2.73	1.81
SEP	2.12	2.62	2.37	9.48	11.07	10.38	2.48	2.88	2.74	1.65
OCT	2.32	2.68	2.49	10.25	11.15	10.63	2.70	2.99	2.84	1.63
NOV	2.37	2.82	2.64	10.18	11.65	10.90	2.72	3.00	2.88	1.70
DEC	2.42	3.12	2.76	10.43	11.53	10.98	2.54	3.08	2.80	1.72
JAN' 20	2.48	3.17	2.83	10.51	11.43	10.96	2.51	2.79	2.64	1.71
FEB	2.40	2.95	2.64	10.31	11.67	11.00	2.44	2.93	2.70	1.71
MAR	2.29	2.94	2.59	9.76	10.95	10.53	2.41	2.75	2.54	1.67
<b>2019-20</b>	<b>2.12</b>	<b>3.17</b>	<b>2.57</b>	<b>8.99</b>	<b>11.67</b>	<b>10.41</b>	<b>2.41</b>	<b>3.08</b>	<b>2.71</b>	<b>1.75</b>
2018-19	1.81	2.98	2.48	8.41	11.43	9.47	2.21	3.12	2.56	1.83
2017-18	1.57	2.85	2.32	7.96	11.70	9.60	1.87	2.95	2.48	1.89
2016-17	1.49	2.86	2.18	8.05	11.02	9.33	1.90	3.39	2.52	1.88
2015-16	1.43	3.20	2.18	8.08	12.23	9.66	2.30	4.15	2.99	1.95

तप्त धातु का रासायनिक विश्लेषण  
CHEMICAL ANALYSIS OF HOT METAL

BLAST FURNACE-1 PERIOD	Unit - %												Table No.23.2(Contd.)
	Mn			Si			S			P			
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	
APR'19	-	-	-	-	-	-	-	-	-	-	-	-	-
MAY	-	-	-	-	-	-	-	-	-	-	-	-	-
JUN	-	-	-	-	-	-	-	-	-	-	-	-	-
JUL	-	-	-	-	-	-	-	-	-	-	-	-	-
AUG	-	-	-	-	-	-	-	-	-	-	-	-	-
SEP	-	-	-	-	-	-	-	-	-	-	-	-	-
OCT	-	-	-	-	-	-	-	-	-	-	-	-	-
NOV	-	-	-	-	-	-	-	-	-	-	-	-	-
DEC	-	-	-	-	-	-	-	-	-	-	-	-	-
JAN' 20	0.02	0.09	0.05	0.13	7.90	1.41	0.008	0.166	0.022	0.080	0.222	0.151	
FEB	0.02	0.07	0.05	0.30	1.71	0.79	0.010	0.067	0.022	0.100	0.189	0.136	
MAR	0.02	0.07	0.05	0.37	1.35	0.79	0.010	0.058	0.023	0.104	0.199	0.136	
<b>2019-20</b>	<b>0.02</b>	<b>0.09</b>	<b>0.05</b>	<b>0.13</b>	<b>7.90</b>	<b>0.94</b>	<b>0.008</b>	<b>0.166</b>	<b>0.022</b>	<b>0.080</b>	<b>0.222</b>	<b>0.138</b>	
2018-19	-	-	-	-	-	-	-	-	-	-	-	-	
2017-18	-	-	-	-	-	-	-	-	-	-	-	-	
2016-17	-	-	-	-	-	-	-	-	-	-	-	-	
2015-16	-	-	-	-	-	-	-	-	-	-	-	-	

**तप्त धातु का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF HOT METAL**

**BLAST FURNACE-2**

**Unit - %**

Table No.23.2(Contd.)

PERIOD	Mn			Si			S			P		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	0.02	0.24	0.09	0.30	1.55	0.78	0.011	0.071	0.028	0.100	0.214	0.135
MAY	0.01	0.12	0.05	0.29	1.84	0.74	0.010	0.089	0.028	0.107	0.221	0.138
JUN	0.02	0.12	0.06	0.23	1.40	0.73	0.009	0.070	0.025	0.100	0.208	0.147
JUL	0.02	0.12	0.06	0.13	1.24	0.70	0.011	0.169	0.038	0.108	0.193	0.140
AUG	0.01	0.17	0.06	0.21	1.72	0.78	0.011	0.088	0.030	0.100	0.236	0.144
SEP	0.02	0.11	0.05	0.33	1.89	0.79	0.010	0.154	0.034	0.113	0.231	0.149
OCT	0.01	0.15	0.05	0.22	1.77	0.84	0.010	0.086	0.029	0.105	0.220	0.139
NOV	0.02	0.10	0.05	0.17	1.94	0.81	0.011	0.092	0.026	0.108	0.207	0.142
DEC	0.01	0.13	0.06	0.34	1.68	0.80	0.011	0.074	0.027	0.113	0.237	0.157
JAN' 20	0.02	0.14	0.06	0.32	2.85	0.80	0.010	0.096	0.031	0.112	0.240	0.148
FEB	0.02	0.09	0.05	0.30	1.64	0.73	0.010	0.088	0.028	0.101	0.202	0.142
MAR	0.03	0.08	0.05	0.20	1.33	0.71	0.010	0.079	0.030	0.097	0.207	0.142
<b>2019-20</b>	<b>0.01</b>	<b>0.24</b>	<b>0.06</b>	<b>0.13</b>	<b>2.85</b>	<b>0.77</b>	<b>0.009</b>	<b>0.169</b>	<b>0.029</b>	<b>0.097</b>	<b>0.240</b>	<b>0.143</b>
2018-19	0.02	0.27	0.09	0.23	2.68	0.81	0.010	0.107	0.027	0.100	0.299	0.157
2017-18	0.04	0.59	0.13	0.20	2.63	0.83	0.012	0.092	0.031	0.116	0.304	0.167
2016-17	0.02	0.25	0.11	0.16	6.44	0.85	0.011	0.494	0.034	0.105	0.324	0.160
2015-16	0.02	0.22	0.09	0.32	4.28	0.85	0.009	0.143	0.034	0.102	0.397	0.154

**तप्त धातु का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF HOT METAL**

**BLAST FURNACE-3**

**Unit - %**

Table No.23.2(Contd.)

PERIOD	Mn			Si			S			P		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	0.01	0.17	0.07	0.29	1.94	0.83	0.011	0.106	0.032	0.088	0.192	0.129
MAY	0.01	0.23	0.04	0.30	10.58	1.27	0.008	0.226	0.030	0.103	0.259	0.145
JUN	0.02	0.10	0.04	0.36	1.63	0.75	0.010	0.066	0.023	0.107	0.201	0.140
JUL	0.02	0.09	0.05	0.20	1.68	0.80	0.010	0.111	0.034	0.098	0.180	0.134
AUG	0.01	0.13	0.05	0.31	1.43	0.78	0.009	0.099	0.031	0.104	0.178	0.137
SEP	0.02	0.11	0.05	0.25	1.60	0.76	0.010	0.087	0.032	0.111	0.178	0.138
OCT	0.02	0.08	0.04	0.28	1.64	0.80	0.010	0.064	0.028	0.105	0.187	0.133
NOV	0.02	0.08	0.04	0.29	1.36	0.74	0.012	0.069	0.027	0.109	0.180	0.137
DEC	0.02	0.13	0.04	0.31	1.69	0.84	0.011	0.074	0.028	0.112	0.225	0.145
JAN' 20	0.02	0.08	0.05	0.43	1.26	0.77	0.012	0.069	0.030	0.113	0.192	0.136
FEB	0.03	0.08	0.05	0.29	1.80	0.75	0.012	0.081	0.029	0.107	0.180	0.134
MAR	0.03	0.07	0.05	0.15	3.98	0.79	0.010	0.094	0.035	0.104	0.200	0.135
<b>2019-20</b>	<b>0.01</b>	<b>0.23</b>	<b>0.05</b>	<b>0.15</b>	<b>10.58</b>	<b>0.81</b>	<b>0.008</b>	<b>0.226</b>	<b>0.030</b>	<b>0.088</b>	<b>0.259</b>	<b>0.137</b>
2018-19	0.01	0.15	0.06	0.12	1.86	0.77	0.010	0.145	0.031	0.098	0.273	0.141
2017-18	0.03	0.56	0.11	0.07	2.84	0.83	0.014	0.155	0.033	0.100	0.253	0.155
2016-17	0.02	0.20	0.08	0.11	4.55	0.83	0.011	0.420	0.031	0.100	0.253	0.150
2015-16	0.02	0.28	0.07	0.28	6.93	0.85	0.014	0.780	0.033	0.100	1.100	0.147

**तप्त धातु का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF HOT METAL**

**BLAST FURNACE-4**

Unit - %

Table No.23.2(Contd.)

PERIOD	Mn			Si			S			P		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	0.02	0.18	0.07	0.47	1.74	0.91	0.011	0.074	0.031	0.105	0.171	0.129
MAY	0.01	0.12	0.04	0.40	1.93	0.83	0.010	0.072	0.027	0.104	0.203	0.132
JUN	0.02	0.11	0.04	0.35	1.62	0.83	0.010	0.077	0.026	0.105	0.190	0.139
JUL	0.03	0.09	0.05	0.22	1.57	0.86	0.011	0.099	0.035	0.100	0.186	0.134
AUG	0.02	0.10	0.05	0.37	3.33	0.88	0.013	0.078	0.027	0.110	0.214	0.140
SEP	-	-	-	-	-	-	-	-	-	-	-	-
OCT	-	-	-	-	-	-	-	-	-	-	-	-
NOV	-	-	-	-	-	-	-	-	-	-	-	-
DEC	-	-	-	-	-	-	-	-	-	-	-	-
JAN' 20	-	-	-	-	-	-	-	-	-	-	-	-
FEB	-	-	-	-	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-	-	-	-	-
<b>2018-19</b>	<b>0.01</b>	<b>0.18</b>	<b>0.05</b>	<b>0.22</b>	<b>3.33</b>	<b>0.86</b>	<b>0.010</b>	<b>0.099</b>	<b>0.029</b>	<b>0.100</b>	<b>0.214</b>	<b>0.134</b>
2018-19	0.02	0.15	0.06	0.19	1.86	0.77	0.009	0.087	0.024	0.100	0.220	0.139
2017-18	0.04	0.60	0.11	0.24	1.74	0.83	0.012	0.074	0.026	0.105	0.233	0.152
2016-17	0.02	0.19	0.08	0.20	4.50	0.89	0.012	0.280	0.028	0.111	0.256	0.154
2015-16	0.02	0.18	0.07	0.40	1.74	0.87	0.015	0.068	0.032	0.110	0.280	0.158



**तप्त धातु का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF HOT METAL**

<b>BLAST FURNACE-5</b>			<b>Unit - %</b>									<b>Table No.23.2(Contd.)</b>		
<b>PERIOD</b>	<b>Mn</b>			<b>Si</b>			<b>S</b>			<b>P</b>				
	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>	<b>Min.</b>	<b>Max.</b>	<b>Avg.</b>		
APR'19	0.01	0.20	0.07	0.32	1.36	0.76	0.011	0.109	0.029	0.098	0.157	0.123		
MAY	0.01	0.13	0.04	0.33	1.42	0.76	0.011	0.078	0.027	0.106	0.174	0.131		
JUN	0.02	0.08	0.04	0.16	1.52	0.76	0.010	0.107	0.026	0.104	0.171	0.136		
JUL	0.02	0.09	0.05	0.27	1.77	0.86	0.013	0.104	0.037	0.108	0.195	0.136		
AUG	0.01	0.09	0.04	0.26	1.47	0.74	0.013	0.105	0.031	0.102	0.185	0.134		
SEP	0.01	0.07	0.04	0.17	1.39	0.75	0.010	0.098	0.033	0.110	0.174	0.135		
OCT	0.02	0.07	0.04	0.32	1.54	0.74	0.010	0.105	0.032	0.102	0.180	0.126		
NOV	0.02	0.08	0.04	0.11	1.40	0.75	0.010	0.133	0.028	0.100	0.194	0.132		
DEC	0.02	0.08	0.04	0.18	1.36	0.76	0.010	0.091	0.032	0.108	0.203	0.140		
JAN' 20	0.02	0.13	0.05	0.29	1.50	0.78	0.010	0.085	0.029	0.107	0.199	0.138		
FEB	0.02	0.09	0.05	0.25	1.74	0.78	0.010	0.105	0.024	0.092	0.178	0.132		
MAR	0.03	0.10	0.05	0.34	2.27	0.79	0.010	0.099	0.026	0.098	0.241	0.137		
<b>2019-20</b>	<b>0.01</b>	<b>0.20</b>	<b>0.05</b>	<b>0.11</b>	<b>2.27</b>	<b>0.77</b>	<b>0.010</b>	<b>0.133</b>	<b>0.030</b>	<b>0.092</b>	<b>0.241</b>	<b>0.133</b>		
2018-19	0.02	0.20	0.06	0.11	1.87	0.78	0.008	0.185	0.030	0.090	0.213	0.136		
2017-18	0.02	0.30	0.09	0.24	4.55	0.82	0.015	0.278	0.027	0.110	0.244	0.150		
2016-17	0.04	0.21	0.08	0.32	3.66	0.85	0.012	0.077	0.028	0.098	0.272	0.144		
2015-16	0.01	0.26	0.07	0.33	6.40	0.85	0.010	0.090	0.032	0.100	0.318	0.145		

**कास्ट में सिलिकन एवं गंधक का वितरण**  
**SILICON & SULPHUR DISTRIBUTION IN CAST**

Table No.23.2(Contd.)

BLAST FURNACE PERIOD	Unit - %							
	SILICON DISTRIBUTION				SULPHUR DISTRIBUTION			
	< 0.80	0.80 - 0.99	1.0 - 1.29	>= 1.3	< 0.040	0.040 - 0.044	0.045 - 0.049	>= 0.050
APR'19	51.13	29.93	16.60	2.34	83.16	6.00	4.44	6.39
MAY	54.54	28.06	12.66	4.75	88.26	4.83	2.16	4.75
JUN	59.22	30.38	9.22	1.19	90.36	4.27	1.88	3.50
JUL	50.88	33.36	13.56	2.19	67.23	7.67	5.64	19.46
AUG	57.67	29.21	11.09	2.03	81.24	6.28	4.16	8.32
SEP	59.05	30.16	9.34	1.46	72.37	7.49	4.86	15.27
OCT	54.69	30.63	12.49	2.19	81.20	6.57	4.56	7.66
NOV	57.53	29.47	11.32	1.68	89.52	4.02	2.15	4.30
DEC	51.59	33.77	12.69	1.96	84.77	5.51	3.74	5.98
JAN' 20	53.94	31.04	8.65	6.36	83.46	6.28	4.33	5.94
FEB	61.17	28.13	8.63	2.07	89.47	3.36	2.33	4.83
MAR	61.27	29.16	7.78	1.79	82.11	6.71	2.77	8.41
<b>2019-20</b>	<b>55.97</b>	<b>30.26</b>	<b>11.13</b>	<b>2.54</b>	<b>82.76</b>	<b>5.75</b>	<b>3.59</b>	<b>7.89</b>
2018-19	55.09	30.76	12.10	2.05	84.63	5.69	3.66	6.03
2017-18	48.35	32.65	15.23	3.76	87.18	5.62	3.33	3.88
2016-17	44.95	34.66	16.57	3.81	82.86	6.64	3.92	6.57
2015-16	43.07	37.80	16.40	2.72	74.26	10.98	6.98	7.78

मिक्सर धातु का रासायनिक विश्लेषण  
CHEMICAL ANALYSIS OF MIXER METAL

S.M.S. - I PERIOD	Unit - %								
	S			Si			Mn		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	-	-	-	-	-	-	-	-	-
MAY									
JUN	0.020	0.040	0.030	0.52	0.84	0.70	0.060	0.110	0.080
JUL	0.020	0.060	0.040	0.47	0.99	0.70	0.070	0.100	0.090
AUG	0.010	0.090	0.040	0.440	1.060	0.730	0.050	0.120	0.080
SEP	-	-	-	-	-	-	-	-	-
OCT	0.020	0.050	0.030	0.810	0.589	0.850	0.060	0.110	0.090
NOV	0.010	0.040	0.020	0.580	1.290	0.890	0.040	0.100	0.080
DEC	0.010	0.060	0.020	0.500	1.040	0.730	0.050	0.100	0.080
JAN' 20	0.010	0.050	0.020	0.420	1.290	0.710	0.040	0.150	0.070
FEB	0.010	0.030	0.020	0.520	1.030	0.760	0.050	0.080	0.070
MAR	0.010	0.070	0.030	0.550	1.090	0.830	0.050	0.100	0.080
<b>2019-20</b>	<b>0.010</b>	<b>0.090</b>	<b>0.030</b>	<b>0.42</b>	<b>1.29</b>	<b>0.83</b>	<b>0.040</b>	<b>0.150</b>	<b>0.070</b>
2018-19	0.010	0.050	0.030	0.42	1.02	0.77	0.060	0.140	0.100
2017-18	0.020	0.060	0.031	0.50	1.10	0.80	0.070	0.230	0.117
2016-17	0.010	0.070	0.032	0.50	1.03	0.72	0.050	0.220	0.096
2015-16	0.010	0.070	0.037	0.40	1.12	0.73	0.050	0.280	0.090

**मिक्सर धातु का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF MIXER METAL**

S.M.S. - II PERIOD	Unit - %						Table No.23.2(Contd.)
	S			Si			
	Min.	Max.	Avg.	Min.	Max.	Avg.	
APR'19	0.020	0.055	0.034	0.48	1.20	0.85	
MAY	0.020	0.047	0.032	0.53	1.66	0.89	
JUN	0.019	0.065	0.033	0.53	1.41	0.84	
JUL	0.015	0.080	0.034	0.45	1.16	0.82	
AUG	0.020	0.053	0.031	0.47	1.19	0.77	
SEP	0.016	0.064	0.034	0.37	1.47	0.80	
OCT	0.015	0.055	0.029	0.54	1.17	0.80	
NOV	0.017	0.040	0.025	0.45	1.15	0.75	
DEC	0.017	0.048	0.029	0.420	1.200	0.820	
JAN' 20	0.010	0.048	0.027	0.50	1.29	0.85	
FEB	0.015	0.054	0.026	0.510	1.380	0.850	
MAR	0.017	0.061	0.029	0.430	1.310	0.830	
<b>2019-20</b>	<b>0.010</b>	<b>0.080</b>	<b>0.030</b>	<b>0.37</b>	<b>1.66</b>	<b>0.82</b>	
2018-19	0.011	0.170	0.038	0.40	1.57	0.86	
2017-18	0.012	0.062	0.030	0.11	1.57	0.85	
2016-17	0.012	0.076	0.031	0.49	1.70	0.88	
2015-16	0.012	0.083	0.034	0.34	1.40	0.84	

**चूना का रासायनिक विश्लेषण**  
**CHEMICAL ANALYSIS OF LIME**

Table No.23.2(Contd.)

S.M.S - I PERIOD	Unit - %											
	CaO			SiO <sub>2</sub>			MgO			L.O.I		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	86.42	90.25	88.12	1.75	2.95	2.35	0.94	2.60	1.48	4.20	6.50	5.93
MAY	86.59	89.25	87.81	1.76	3.05	2.22	1.04	3.85	1.62	4.60	6.80	6.07
JUN	86.42	88.31	87.54	1.72	3.01	2.25	1.16	3.62	1.63	4.60	6.90	6.21
JUL	86.47	88.97	87.42	1.32	2.93	2.29	1.17	2.56	1.65	5.80	6.70	6.33
AUG	86.58	89.56	87.57	1.83	3.17	2.28	1.16	2.58	1.57	4.10	6.80	6.24
SEP	86.79	88.45	87.56	1.84	2.94	2.29	1.01	1.96	1.54	5.80	6.60	6.25
OCT	86.76	88.06	87.39	1.84	2.82	2.42	1.22	1.83	1.51	6.00	6.50	6.29
NOV	87.42	88.39	87.68	1.85	2.46	2.14	1.19	1.59	1.44	6.10	6.40	6.27
DEC	86.42	88.72	87.59	1.73	3.17	2.34	1.21	1.77	1.48	5.90	6.60	6.27
JAN' 20	86.24	88.17	87.28	1.88	3.52	2.39	1.36	2.02	1.54	6.10	6.50	6.30
FEB	86.55	89.14	87.56	1.68	3.03	2.24	1.23	1.64	1.45	6.10	6.60	6.35
MAR	86.27	88.12	87.28	1.91	3.39	2.56	1.16	2.46	1.47	5.80	6.90	6.25
<b>2019-20</b>	<b>86.24</b>	<b>90.25</b>	<b>87.58</b>	<b>1.32</b>	<b>3.52</b>	<b>2.39</b>	<b>0.94</b>	<b>3.85</b>	<b>1.54</b>	<b>4.10</b>	<b>6.90</b>	<b>6.21</b>
2018-19	84.54	90.79	87.66	1.02	3.34	2.29	1.07	3.91	1.57	4.00	6.90	6.17
2017-18	84.47	90.27	87.73	1.48	3.78	2.30	1.08	4.82	1.67	4.10	7.00	6.00
2016-17	84.15	91.17	87.80	1.01	3.85	2.26	1.16	5.05	1.92	4.10	7.10	5.80
2015-16	82.04	90.48	87.24	1.10	3.98	2.55	1.16	7.22	2.20	3.10	11.00	5.76

# चूना का रासायनिक विश्लेषण

## CHEMICAL ANALYSIS OF LIME

S.M.S - II

Unit - %

Table No.23.2

PERIOD	CaO			SiO <sub>2</sub>			L.O.I		
	Min.	Max.	Avg.	Min.	Max.	Avg.	Min.	Max.	Avg.
APR'19	85.24	90.73	89.58	1.04	2.70	1.92	4.00	6.80	4.70
MAY	85.27	91.36	89.57	1.00	2.96	1.79	4.00	6.70	4.90
JUN	83.03	90.87	89.11	1.04	2.73	1.91	4.00	7.50	4.90
JUL	87.03	90.57	89.54	1.29	2.57	1.90	4.00	6.90	4.60
AUG	84.48	91.07	89.01	1.09	2.87	1.92	4.00	7.00	4.80
SEP	86.60	90.53	89.13	1.05	2.54	1.8	4.00	7.80	5.00
OCT	86.66	91.02	89.64	1.09	2.90	1.86	4.00	6.80	4.60
NOV	86.94	91.22	89.40	1.40	2.66	1.94	4.00	6.90	4.80
DEC	86.60	90.48	89.39	1.65	2.63	1.99	4.00	7.00	4.80
JAN' 20	82.84	90.61	88.18	1.08	3.35	2.26	4.00	7.30	5.30
FEB	82.01	90.32	87.29	1.48	3.28	2.37	4.00	7.00	5.40
MAR	83.93	90.50	87.41	1.60	3.05	2.36	4.00	7.00	5.90
<b>2019-20</b>	<b>82.01</b>	<b>91.36</b>	<b>88.94</b>	<b>1.00</b>	<b>3.35</b>	<b>2.00</b>	<b>4.00</b>	<b>7.80</b>	<b>4.98</b>
2018-19	84.37	92.17	89.09	1.03	3.60	2.01	4.00	7.20	5.13
2017-18	84.49	91.24	87.92	1.13	3.69	2.18	4.00	8.10	6.11
2016-17	82.16	91.50	88.39	1.01	3.56	1.95	4.00	10.00	6.20
2015-16	80.57	90.61	86.72	1.00	4.05	2.42	3.80	12.30	6.23

निरीक्षण प्रतिवेदन  
INSPECTION REPORT

SLAB

Table No.23.3(Contd.)

PERIOD	SLAB TESTED QUALITY				
	Inspected (t)	Accepted (t)	Acceptance (%)	Diverted/ Defective, NR (t)	Rejected/ Loss in Wt. (t)
APR'19	31717	29731	93.7	1592	394
MAY	45675	41847	91.6	3331	497
JUN	34195	32298	94.5	1521	376
JUL	35252	32864	93.2	2024	364
AUG	27920	25988	93.1	1562	370
SEP	21680	19694	90.8	1784	202
OCT	17393	16143	92.8	1057	192
NOV	11083	9964	89.9	961	158
DEC	7781	6953	89.4	750	78
JAN' 20	19583	17751	90.6	1588	244
FEB	26902	23680	88.0	2833	390
MAR	31191	28078	90.0	2578	535
<b>2019-20</b>	<b>310369</b>	<b>284991</b>	<b>91.8</b>	<b>21581</b>	<b>3799</b>
2018-19	340073	321877	94.6	14408	3790
2017-18	273771	262529	95.9	9102	2142
2016-17	162295	157635	97.1	2903	1759
2015-16	388376	378170	97.4	6629	3579

# निरीक्षण प्रतिवेदन INSPECTION REPORT

H.R. PLATE/SHEET

Table No.23.3(Contd.)

PERIOD	H.R. PLATE					H.R. SHEET				
	TESTED QUALITY			Diverted (t)	Line Arising (t)	TESTED QUALITY			Diverted (t)	Line Arising (t)
	Inspected (t)	Accepted (t)	Acceptance (%)			Inspected (t)	Accepted (t)	Acceptance (%)		
APR'19	35810	34742	97.0	0	1068	8509	8324	97.8	0	185
MAY	29285	28450	97.1	0	835	9983	9786	98.0	0	197
JUN	28021	27154	96.9	0	867	4528	4435	97.9	0	93
JUL	30669	29703	96.8	17	949	6876	6726	97.8	0	150
AUG	30096	29236	97.1	0	860	6677	6547	98.1	0	130
SEP	21797	21167	97.1	0	630	7412	7158	96.6	0	254
OCT	22251	21546	96.8	12	693	4342	4245	97.8	0	97
NOV	26769	25993	97.1	0	776	7834	7629	97.4	53	152
DEC	26646	25813	96.9	0	833	7156	7010	98.0	0	146
JAN' 20	25505	24734	97.0	4	767	6407	6217	97.0	58	132
FEB	23489	22752	96.9	0	737	7377	6586	89.3	0	791
MAR	22075	21416	97.0		659	7081	6915	97.7	0	166
<b>2019-20</b>	<b>322413</b>	<b>312705</b>	<b>97.0</b>	<b>34.23</b>	<b>9674</b>	<b>84182</b>	<b>81578</b>	<b>96.9</b>	<b>111</b>	<b>2493</b>
2018-19	381847	370330	97.0	234	11283	103537	101385	97.9	141	2011
2017-18	346816	336705	97.1	51	10060	111501	109144	97.9	161	2196
2016-17	422404	408142	96.6	195	14067	98554	96141	97.6	103	2310
2015-16	320237	310633	97.0	260	9344.0	93783	91641	97.7	121	2021



# निरीक्षण प्रतिवेदन INSPECTION REPORT

C.R. COIL/C.R. SHEET

Table No.23.3(Contd.)

PERIOD	C.R. COIL (Incl. TMBP)					C.R. SHEET				
	TESTED QUALITY			Untested (t)	Down Grade (t)	TESTED QUALITY			Untested (t)	Down Grade (t)
	Inspected (t)	Accepted (t)	Acceptance (%)			Inspected (t)	Accepted (t)	Acceptance (%)		
APR'19	45149	42552	94.2	2597	0	115	115	100.0	0	0
MAY	43971	40213	91.5	3758	0	193	193	100.0	0	0
JUN	40472	37286	92.1	3029	157	2002	1969	98.4	33	0
JUL	35848	33132	92.4	2716	0	509	496	97.4	13	0
AUG	35694	31897	89.4	3797	0	215	215	100.0	0	0
SEP	33116	31104	93.9	2012	0	494	494	100.0	0	0
OCT	29901	27662	92.5	2239	0	28	28	100.0	0	0
NOV	40238	37099	92.2	3139	0	1192	1192	100.0	0	0
DEC	32616	30885	94.7	1731	0	422	422	100.0	0	0
JAN' 20	31011	30456	98.2	555	0	0	0	-	0	0
FEB	32028	31532	98.5	496	0	14	14	100.0	0	0
MAR	29844	29099	97.5	745		0	0	-	0	0
<b>2019-20</b>	<b>429888</b>	<b>402917</b>	<b>93.7</b>	<b>26814</b>	<b>157</b>	<b>5184.4</b>	<b>5138.24</b>	<b>99.1</b>	<b>46.16</b>	<b>0</b>
2018-19	575356	548877	95.4	26479	0	16810	16678	99.2	82	50
2017-18	535657	501415	93.6	34097	145	16877	16873	100.0	4	0
2016-17	462593	424717	91.8	36942	934	14239	14067	98.8	172	0
2015-16	230918	210248	91.0	20243	427	10800	10567	97.8	233	0

# निरीक्षण प्रतिवेदन INSPECTION REPORT

**G.P.COIL, G.P. SHEET & G.C. SHEET**

Table No.23.3

PERIOD	G.P. COIL				G.P. SHEET				G.C. SHEET			
	TESTED QUALITY			Scrap (t)	TESTED QUALITY			Scrap (t)	TESTED QUALITY			Scrap (t)
	Insp-ected (t)	Accep- ted (t)	Accep- tance (%)		Insp-ected (t)	Accep- ted (t)	Accep- tance (%)		Insp-ected (t)	Accep- ted (t)	Accep- tance (%)	
APR'19	8246	8246	100.0	0	923	796	86.2	127	100	86	86.0	14
MAY	9550	9542	99.9	8	811	519	64.0	292	417	417	100.0	0
JUN	6481	6481	100.0	0	536	442	82.5	94	191	191	100.0	0
JUL	7318	7313	99.9	5	687	464	67.5	223	395	392	99.2	3
AUG	5050	5047	99.9	3	611	420	68.7	191	163	159	97.5	4
SEP	2474	2469	99.8	5	329	55	16.7	274	721	721	100.0	0
OCT	0	0	-	0	712	287	40.3	425	35	34	97.1	1
NOV	2324	2324	100.0	0	747	391	52.3	356	453	453	100.0	0
DEC	3141	3123	99.4	18	588	276	46.9	312	40	33	82.5	7
JAN' 20	1455	1455	100.0	0	561	129	23.0	432	22	22	100.0	0
FEB	4255	4245	99.8	10	276	197	71.4	79	66	9	13.6	57
MAR	1508	1508	100.0	0	114	45	39.5	69	21	10	47.6	11
<b>2019-20</b>	<b>51802</b>	<b>51753</b>	<b>99.9</b>	<b>49</b>	<b>6895</b>	<b>4021</b>	<b>58.3</b>	<b>2874</b>	<b>2624</b>	<b>2527</b>	<b>96.3</b>	<b>97</b>
2018-19	100775	100642	99.9	133	17131	10031	58.6	7100	2452	2386	97.3	66
2017-18	93581	93108	99.5	473	18289	16696	91.3	1593	1866	1683	90.2	183
2016-17	85136	84971	99.8	165	16535	14816	89.6	1719	5269	4875	92.5	394
2015-16	56367	56316	99.9	51	15817	13509	85.4	2308	10538	10363	98.3	175 *

**DESPATCHES**

कच्चा लोहा एवं विक्रेय इस्पात का प्रेषण  
DESPATCH OF PIG IRON & SALEABLE STEEL



SUMMARY PRODUCTS	Unit - Tonne					Table No. 24.1(Contd.)	
	HOME			Plant Disposal	Total	EXPORT	GRAND TOTAL
	Direct	Stock Yard	IPT				
H.R. Coil	1356059	424687	0	4658	1785404	181899	1967303
H.R. Plate	134168	189999	0	13971	338138	1530	339668
H.R. Sheet	54210	36328	0	2422	92960	127	93087
C.R. Coil/Slit Coil	506262	308383	0	75190	889835	15141	904976
C.R. Sheet	384	5877	0	0	6261	0	6261
G.P. Coil	21251	32453	0	3831	57535	0	57535
G.P. Sheet	572	4329	0	3803	8704	0	8704
G.C. Sheet	76	896	0	33	1005	0	1005
<b>Finished Steel</b>	<b>2072982</b>	<b>1002952</b>	<b>0</b>	<b>103908</b>	<b>3179842</b>	<b>198697</b>	<b>3378539</b>
M.S. Slab	0	0	0	0	0	0	0
Thick Plate	0	0	0	10668	10668	0	10668
<b>Total Saleable Steel</b>	<b>2072982</b>	<b>1002952</b>	<b>0</b>	<b>114576</b>	<b>3190510</b>	<b>198697</b>	<b>3389207</b>
<b>Pig Iron</b>	<b>101505</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101505</b>	<b>0</b>	<b>101505</b>

**कच्चा लोहा एवं विक्रेय इस्पात का प्रेषण**  
**DESPATCH OF PIG IRON & SALEABLE STEEL**

**DIFFERENT MODES OF TRANSPORT**

Unit - Tonne

Table No. 24.1

PRODUCTS	DIRECT		STOCK YARD		EXPORT		IPT		PLANT DISPOSAL		GRAND
	By Rail	By Road	By Rail	By Road	By Rail	By Road	By Rail	By Road	By Rail	By Road	TOTAL
H.R. Coil	1350997	5062	423983	704	181650	249	0	0	0	4658	1967303
H.R. Plate	119965	14203	169916	20083	39	1491	0	0	0	13971	339668
H.R. Sheet	52645	1565	31647	4681	127	0	0	0	0	2422	93087
C.R. Coil/Slit Coil	505030	1232	305879	2504	13604	1537	0	0	0	75190	904976
C.R. Sheet	384	0	4672	1205	0	0	0	0	0	0	6261
G.P. Coil	20988	263	32054	399	0	0	0	0	0	3831	57535
G.P. Sheet	572	0	4104	225	0	0	0	0	0	3803	8704
G.C. Sheet	63	13	896	0	0	0	0	0	0	33	1005
<b>Finished Steel</b>	<b>2050644</b>	<b>22338</b>	<b>973151</b>	<b>29801</b>	<b>195420</b>	<b>3277</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103908</b>	<b>3378539</b>
M.S. Slab	0	0	0	0	0	0	0	0	0	0	0
Thick Plate	0	0	0	0	0	0	0	0	0	10668	10668
<b>Total Saleable Steel</b>	<b>2050644</b>	<b>22338</b>	<b>973151</b>	<b>29801</b>	<b>195420</b>	<b>3277</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>114576</b>	<b>3389207</b>
Pig Iron	101505	0	0	0	0	0	0	0	0	0	101505

**कोटिवाव प्रेषण**  
**GRADEWISE DESPATCH**

**H.R. PRODUCTS**

Unit - Tonne

Table No. 24.2(Contd.)

H.R. COIL		H.R. PLATE		H.R. SHEET			
GRADE	QUANTITY	GRADE	QUANTITY	GRADE	QUANTITY		
E-34	56	IS 11513CR4/SAILSOFT	36869	IS 6240(LPG)	633	DMR 249 A (ABA)	625
E-38	652	HSFQ-450	64	SAILCOR	2728	SAILCOR	572
E-46 SS 4012A	1674	IS 5986 ISH500 LAHFQ 450	13153	DMR 249 A (ABA)	3548	IS 6240(LPG)	716
API 5L X 65 PSL 1	111	IS 5986 ISH540R-FRM 410	6300	IS 2062 E 250 A + Cu	30220	IS 15914 HS 345	140
EN 10120 GR P265	7336	IS 5986 ISH500 LAFRM 450	2354	IS 2062 E 250 BR + Cu	1048	IS 1079 HR1+ Cu	157
EN 10120 P-245 NB	4194	JIS G3101 SS400	26967	IS 2062 E 250 C + Cu	297	IS 5986 ISH 330S+ Cu	103
EN 10120 P-310 NB	199	SAIL RIM Gr.I	3205	IS 2062 E 350 BR + Cu	409	ASTM A36	136
JIS G 3116 SG295	875	SAIL RIM Gr.II	627	IS 2062 E 450 BR + Cu	586	IS 1079 HR1	85778
IS 15914 HS 345	187	IS 10748 Gr. I	129385	IS 5986 ISH 360 S + Cu	265	IS 1079 HR2	748
IS 6240 (LPG)	165149	IS 10748 Gr. II	938461	IS 2062 E 250 A	22828	IS 1079 HR3	113
IS 2062 E 250 A + Cu	1970	IS 10748 Gr. III	123565	IS 2062 E 250 B0	309	IS 5986 Gr 205	10
IS 2062 E 250 C + Cu	138	IS 10748 Gr.V	6638	IS 2062 E 250 BR	238522	IS 5986 Gr 255	62
IS 2062 E-250BR+Cu	764	IS 1079 HR1	1307	IS 2062 E 350 B0	539	IS 5986 ISH 330S	1198
IS 2062 E 410 B0+Cu	229	IS 1079 HR2	224	IS 2062 E 350 BR	19143	IS 5986 ISH 410S	307
IS 2062 E 450 BR+Cu	396	IS 2062 E 250 A	10777	IS 2062 E 350 C	33	Assorted Sheet	2422
IS 1079 HR1 +Cu	377	IS 2062 E 250 B0	1747	IS 2062 E 410 B0	92		
IS 5986 ISH 360 S + Cu	63	IS 2062 E 250 BR	224178	IS 2062 E 410 BR	79		
IS 5986 ISH 410 S + Cu	671	IS 2062 E 250 C	111	IS 2062 E 410 C	152		
SAIL BR (IBRTC)	210	IS 2062 E 350 BR	18050	IS 2062 E 450 BR	108		
SAIL CORTEN	5635	IS 2062 E 350 B0	2080	IS 1079 HR1	73		
SAIL MC-40	5251	IS 2062 E 350 C	772	IR Gr B	3408		
IS 5986 Gr 235	21	IS 2062 E 410 B0	52	IS 5986 ISH 330 S	249		
IS 5986 ISH 330 S	146235	IS 2062 E 410 BR	21	IS 5986 ISH 360 S	155		
IS 5986 ISH 360 S	961	IS 2062 E 450 BR	279	IS 5986 ISH 500 LAHFQ	40		
IS 5986 ISH 410 S	72105	Defective	4658	A 572 GR 50 TY2	233		
				Assorted Plate	13971		
<b>G. Total</b>		<b>1962645</b>		<b>G. Total</b>		<b>339668</b>	
				<b>G. Total</b>		<b>93087</b>	

# कोटिपार प्रेषण GRADEWISE DESPATCH

**C.R. PRODUCTS**

Unit - Tonne

Table No. 24.2

CR COIL		CR SHEET		GP COIL		GP SHEET		GC SHEET	
GRADE	QUANTITY	GRADE	QUANTITY	GRADE	QUANTITY	GRADE	QUANTITY	GRADE	QUANTITY
IS-513 CR 1	390262	IS-513 CR 1	122	IS 277 GR 120	53704	IS 277 GR 120	4901	IS 277 GR 120	972
IS-513 CR 2	345700	IS-513 CR 2	4859	Defective	3831	Defective	3803	Defective	33
IS-513 CR 3	407	SAILCOR	1258						
IS-513 CR 4	624	IS 513 CR1 SD	22						
JISG 3141 SPCC -SD	1235								
IS-513 CR 1 + Cu	61								
SAILCOR	139								
IS 513 ISC390 W	131								
IS 513 ISC410 LA	184								
IS 513 IS440 W	74								
EN 10130 DC01	104								
IS 513 CR1 SD	90865								
HRPD	6720								
CRUA	12428								
Mixed CR Coil	34601								
Defective	4649								
PUP Coil	15563								
Def. CR Annealed	1229								
<b>G. Total</b>	<b>904976</b>	<b>G. Total</b>	<b>6261</b>	<b>G. Total</b>	<b>57535</b>	<b>G. Total</b>	<b>8704</b>	<b>G. Total</b>	<b>1005</b>

आकार के अनुसार प्रेषण  
SIZEWISE DESPATCH

HR COIL (PRIME)

Unit - Tonne

Table No. 24.3(Contd.)

THICKNESS (mm)	WIDTH (mm)												
	910-1020	1025/1030	1035-1105	1110-1155	1160	1170-1215	1220	225-1245	1250	1255-1290	1300-1310	1315-1350	1360-1370
1.8	46	9646	0	0	20	0	0	0	0	0	0	0	0
2	8424	14561	14257	7507	0	251	23063	1859	79108	332	20	0	0
2.1-2.45	3965	16037	13803	5368	41	1653	10999	63	14499	1677	11641	0	21
2.5	4127	27334	14990	5796	20	182	6480	2711	56010	1784	8010	0	21
2.55-2.75	31	3256	13031	0	37	41	6137	21	2219	1217	2505	649	62
2.8	122	17378	2134	542	0	61	3169	491	28210	630	7214	116	39
2.85-2.88	0	1111	231	0	0	0	0	0	1458	0	0	0	21
2.9	30	223	531	8427	50842	20	1097	21	14557	15918	1833	0	21
2.95-3.0	217	1403	1321	328	41	79	6287	517	52701	224	622	21	21
3.05-3.15	373	348	428	39	0	20	861	85	14120	210	374	111	1427
3.2-3.55	33	4014	3919	35	76	17	3983	356	20586	3674	2746	2142	5784
3.6	0	93	1613	0	0	715	207	34	234	663	809	15	4322
3.65-3.95	401	46	0	18	0	205	3388	0	18849	65	230	24	555
4	311	1537	1963	71	229	160	1508	81	23460	4260	1971	1283	1788
4.05-4.5	0	2432	472	753	0	649	2561	950	1210	1088	28105	15796	1351
4.55-4.95	31	3241	476	685	0	23677	2384	126	5541	880	6378	185	257
5	822	187	271	901	20	2351	1951	42	10191	2237	360	26	254
5.1-5.9	1113	1381	744	2503	0	711	2235	21	7325	709	1019	20	21007
6	108	315	1668	3738	21	1408	2516	41	11425	837	41	40	316
6.05-6.90	2313	939	2393	1331	0	0	0	0	251	0	53	0	2443
7.0-7.9	819	715	2749	2475	0	982	275	0	4622	1003	203	334	3890
8	1009	422	0	424	0	0	2931	0	5352	145	0	101	497
8.4-9.9	1452	1292	1518	2151	0	0	0	0	2482	167	0	492	546
10.0-10.8	0	0	119	346	0	0	2949	0	3878	83	167	283	0
11.0-11.8	0	0	0	0	0	471	0	0	1276	0	0	859	0
12.0-12.7	0	0	0	0	0	0	3204	0	1635	0	21	0	0
13.2-16.0	0	0	0	0	0	0	0	0	1171	0	3452	1087	0
<b>Total</b>	<b>25750</b>	<b>107910</b>	<b>78631</b>	<b>43437</b>	<b>51346</b>	<b>33654</b>	<b>88184</b>	<b>7418</b>	<b>382369</b>	<b>37805</b>	<b>77774</b>	<b>23585</b>	<b>44642</b>



# आकार के अनुसार प्रेषण SIZEWISE DESPATCH

**HR COIL (PRIME)**

**Unit - Tonne**

Table No. 24.3(Contd.)

THICKNESS (mm)	WIDTH(mm)													Total
	1375- 1395	1400	1405/ 1410	1415/ 1420	1425- 1450	1455- 1490	1500	1520- 1550	1555- 1620	1630- 1670	1680- 1690	1700- 1760	1800- 1830	
1.8	0		0	0	0	0	0	0	0	0	0	0	0	<b>9712</b>
2	951	7271	0	42	0	0	0	0	0	0	0	0	0	<b>157648</b>
2.1-2.45	6520	4283	1873	40	0	0	0	0	0	0	0	0	0	<b>92481</b>
2.5	6531	33088	190	3276	21	0	0	0	0	0	0	0	0	<b>170571</b>
2.55-2.75	2572	6870	6763	2228	379	0	0	0	0	0	0	0	0	<b>48017</b>
2.8	5600	31291	468	327	89	0	56	0	0	0	0	0	0	<b>97937</b>
2.85-2.88	144	19355	0	0	22	18	0	0	0	0	0	0	0	<b>22358</b>
2.9	83	18360	167	509	21	0	83	28	0	614	81912	0	0	<b>195297</b>
2.95-3.0	534	6769	63	1472	0	76	8036	404	0	0	0	0	0	<b>81135</b>
3.05-3.15	301	1204	0	20	0	319	2055	55	0	0	0	0	0	<b>22352</b>
3.2-3.55	17292	25190	3316	7554	8645	16993	1080	160	5741	11732	1243	0	0	<b>146310</b>
3.6	8233	4016	413	29576	462	283		0	0	0	0	0	0	<b>51689</b>
3.65-3.95	160	2280	2555	22	0	209	2954	0	0	0	0	0	0	<b>31960</b>
4	790	10699	2946	1188	65	71	14548	659	245	716	1045	119	3905	<b>75619</b>
4.05-4.5	12301	8159	3178	26005	8038	2578	1335	23843	1442	113	0	9252	678	<b>152287</b>
4.55-4.95	14407	18001	1652	526	345	201	13293	25684	2398	779	0	4521	1193	<b>126859</b>
5	268	1853	21	886	135	586	15852	1828	0	329	412	1250	5026	<b>48056</b>
5.1-5.9	4309	2530	522	105	46	153	18328	3315	56	115	0	27435	773	<b>96477</b>
6	880	258	542	146	676	1803	24113	1965	140	206	121	514	6128	<b>59966</b>
6.05-6.90	602	107	0	42	0	0	164	392	1404	0	55	8384	32	<b>20905</b>
7.0-7.9	64	107	0	0	0	21	33033	942	1262	0	236	15268	1291	<b>70289</b>
8	0	80	0	0	732	21	23968	1613	253	30	343	3593	1872	<b>43386</b>
8.4-9.9	58	0	0	0	255	0	22541	224	0	0	2040	7257	1259	<b>43732</b>
10.0-10.8	0	0	0	0	336	0	23120	1081	248	0	6421	51	1854	<b>40938</b>
11.0-11.8	0	0	0	0	0	0	6662	0	0	0	0	0	62	<b>9330</b>
12.0-12.7	0	0	0	230	673	0	16195	738	0	0	0	304	5302	<b>28304</b>
13.2-16.0	0	188	0	0	208	0	10521	1512	0	0	0	0	891	<b>19030</b>
<b>Total</b>	<b>82599</b>	<b>201958</b>	<b>24667</b>	<b>74194</b>	<b>21148</b>	<b>23332</b>	<b>237936</b>	<b>64444</b>	<b>13188</b>	<b>14634</b>	<b>93829</b>	<b>77947</b>	<b>30265</b>	<b>1962645</b>

# आकार के अनुसार प्रेषण SIZEWISE DESPATCH

**HR PLATE / HR SHEET (PRIME)**

**Unit - Tonne**

Table No. 24.3(Contd.)

PRODUCTS	THICKNESS (mm)	WIDTH (mm)												Total
		1000	1200	1220- 1240	1250	1265- 1360	1400	1470- 1490	1500	1550- 1560	1600	1700- 1800	1830	
HR PLATE	5.0	0	0	15	11064	20	125	66	47478	79	0	446	722	<b>60015</b>
	5.2-5.8	0	0	0	79	0	20	0	26	0	0	0	0	<b>125</b>
	6.0	33	21	65	20418	20	1455	10	85782	38	0	731	1117	<b>109691</b>
	6.5-7.0	0	111	0	111	7	0	0	3433	0	86	16	84	<b>3848</b>
	7.8	0	0	0	0	0	0	0	20	0	0	0	0	<b>20</b>
	8.0	901	0	0	7352	0	219	0	65234	8	1138	745	972	<b>76569</b>
	9.0	0	0	0	0	0	0	0	3028	0	0	0	0	<b>3028</b>
	10.0	0	0	19	6801	0	177	25	62712	0	229	993	764	<b>71720</b>
	11.0-12.0	0	19	0	0	0	0	0	662	0	0	0	0	<b>680</b>
<b>Total</b>		<b>934</b>	<b>150</b>	<b>99</b>	<b>45824</b>	<b>48</b>	<b>1997</b>	<b>100</b>	<b>268375</b>	<b>126</b>	<b>1452</b>	<b>2932</b>	<b>3659</b>	<b>325697</b>

PRODUCTS	Thickness (mm)	WIDTH (mm)									Total
		1180	1200	1210	1215- 1225	1230	1240	1245	1250	1260	
HR SHEET	2	7	0	0	0	0	0	18	21820	0	<b>21845</b>
	2.1-2.3	0	0	0	0	0	0	0	132	0	<b>132</b>
	2.5	0	0	11	0	38	42	20	19597	0	<b>19706</b>
	2.8	0	0	0	9	19	19	0	2776	0	<b>2822</b>
	2.9	0	20	0	14	0	7	0	15195	10	<b>15245</b>
	3	0	0	0	11	0	0	0	1063	0	<b>1074</b>
	3.1	0	0	0	0	0	0	0	109	0	<b>109</b>
	3.15	0	0	0	0	0	13	0	17702	0	<b>17714</b>
	3.2/3.3	0	0	0	0	0	0	0	65	0	<b>65</b>
	3.5/3.8	0	0	0	0	0	0	0	258	0	<b>258</b>
	4	0	0	0	0	0	0	0	11694	0	<b>11694</b>
<b>Total</b>		<b>7</b>	<b>20</b>	<b>11</b>	<b>33</b>	<b>57</b>	<b>80</b>	<b>38</b>	<b>90410</b>	<b>10</b>	<b>90665</b>

# आकार के अनुसार प्रेषण SIZEWISE DESPATCH

**C.R. COIL (PRIME)**

**Unit - Tonne**

Table No. 24.3(Contd.)

THICKNESS (mm)	WIDTH(mm)																	Total
	870-885	890-896	900	903-910	914	919-995	1000	1005-1115	1120-1245	1250	1252-1265	1270-1310	1320-1410	1415-1420	1430-1510	1515-1530	1570-1580	
0.35	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>22</b>
0.4	0	13	4547	0	0	0	1599	0	0	121	0	0	0	0	0	0	0	<b>6279</b>
0.45	0	0	2917	52	0	12	6221	0	0	42	0	0	0	0	0	0	0	<b>9243</b>
0.5	0	37	6864	26	0	0	15991	319	1292	26998	121	0	0	0	0	0	0	<b>51648</b>
0.55-0.58	0	0	54	0	0	0	28	0	790	1207	0	0	0	0	0	0	0	<b>2079</b>
0.6	1902	246	7695	17	88	35	16853	70	1976	19589	18	0	0	0	0	0	0	<b>48490</b>
0.63-0.65	6281	438	162	13	0	30	98	129	3957	2482	0	0	0	0	0	0	0	<b>13590</b>
0.7	0	0	518	0	41	0	3692	22	386	8679	0	10	0	83	0	0	0	<b>13431</b>
0.75	0	0	716	0	27	0	1316	0	776	853	0	0	0	121	0	0	0	<b>3808</b>
0.8	35	0	6358	80	1332	1180	15436	72	2273	49465	16	1224	370	7673	19	0	0	<b>85532</b>
0.85	0	0	13	0	0	0	0	0	30	164	0	921	0	0	0	0	0	<b>1128</b>
0.9	18	0	1680	0	8533	110	2594	0	2105	19277	0	6272	5332	5163	0	74	0	<b>51158</b>
0.95	0	0	0	0	43	0	111	0	107	254	0	0	19	58	0	0	0	<b>592</b>
1.0	18	27	8808	13	15279	549	12778	1762	2911	79086	44	441	9135	13208	0	4025	140	<b>148224</b>
1.03-1.15	0	0	91	0	39	50	13	0	109	5138	0	1653	0	658	0	0	0	<b>7753</b>
1.2	0	0	4364	280	4946	337	5189	119	1813	105070	21	32	5222	15771	0	4827	782	<b>148774</b>
1.25-1.35	0	0	3972	181	5578	264	3322	481	978	17790	37	36	3865	2777	0	3068	244	<b>42594</b>
1.4-1.45	0	0	67	7	0	0	279	0	168	21433	0	55	464	5781	0	195	25	<b>28475</b>
1.5	0	14	1440	5	97	0	1136	0	1046	57724	21	0	297	12124	25	5783	498	<b>80208</b>
1.55	0	0	14	0	0	0	9	18	19	1080	0	0	0	7	0	0	0	<b>1145</b>
1.6	0	14	1786	0	102	26	728	0	253	38516	5	28	39	5796	16	2434	114	<b>49857</b>
1.7-1.95	0	0	0	0	0	0	14	0	42	5973	0	0	0	763	0	25	0	<b>6817</b>
2.0	0	0	16	0	0	0	487	0	53	26108	0	0	23	1605	0	646	0	<b>28939</b>
																		<b>0</b>
<b>Total</b>	<b>8253</b>	<b>789</b>	<b>52103</b>	<b>674</b>	<b>36106</b>	<b>2595</b>	<b>87894</b>	<b>2992</b>	<b>21083</b>	<b>487049</b>	<b>283</b>	<b>10671</b>	<b>24766</b>	<b>71586</b>	<b>60</b>	<b>21078</b>	<b>1804</b>	<b>829786</b>

# आकार के अनुसार प्रेषण SIZEWISE DESPATCH

**C.R. SHEET & G.P. COIL (PRIME)**

Unit - Tonne

Table No. 24.3(Contd.)

THICKNESS (mm)	CR SHEET				THICKNESS (mm)	G.P. COIL									
	WIDTH(mm)					890- 895	900	905- 990	995	WIDTH(mm)					Total
	900	1000	1250	Total						1000	1005- 1210	1215	1220	1225- 1235	
0.63	147	63	0	<b>210</b>	0.5	0	2716	16	10	434	0	0	0	0	<b>3176</b>
0.7	0	0	107	<b>107</b>	0.55	0	199	0	0	180	0	0	0	0	<b>378</b>
0.8	122	77	260	<b>459</b>	0.6	0	3959	0	22	2827	0	14	681	0	<b>7504</b>
0.9	11	13	84	<b>109</b>	0.63	0	27	0	0	54	0	0	21	0	<b>102</b>
1	90	13	623	<b>725</b>	0.7	0	181	0	0	202	0	0	17	0	<b>401</b>
1.2	56	41	399	<b>496</b>	0.75	0	0	0	0	141	0	0	0	0	<b>141</b>
1.25	65	21	260	<b>346</b>	0.8	17	4372	109	116	3690	0	48	2814	0	<b>11165</b>
1.5	31	6	156	<b>193</b>	0.9	0	190	0	0	55	0	0	588	0	<b>833</b>
1.6	61	20	2385	<b>2466</b>	0.95	0	0	0	0	0	0	0	7	0	<b>7</b>
1.85	0	0	12	<b>12</b>	1	12	2486	7	14	1586	14	79	5335	0	<b>9533</b>
1.9	0	0	21	<b>21</b>	1.1	0	0	0	0	0	0	0	162	0	<b>162</b>
2	0	0	1119	<b>1119</b>	1.2	12	1043	7	28	832	11	109	4455	24	<b>6521</b>
					1.25	9	1734	13	40	814	9	0	1092	0	<b>3711</b>
					1.3	0	0	0	0	0	0	0	14	0	<b>14</b>
					1.4	0	69	0	26	90	0	115	1404	28	<b>1733</b>
					1.5	0	44	0	0	21	0	0	410	0	<b>476</b>
					1.6	14	2612	13	63	1942	8	13	3156	27	<b>7847</b>
<b>Total</b>	<b>582</b>	<b>253</b>	<b>5426</b>	<b>6261</b>	<b>Total</b>	<b>64</b>	<b>19632</b>	<b>164</b>	<b>318</b>	<b>12870</b>	<b>42</b>	<b>379</b>	<b>20156</b>	<b>79</b>	<b>53704</b>

**आकार के अनुसार प्रेषण  
SIZEWISE DESPATCH**

**G.P. SHEET & G.C. SHEET (PRIME)**

**Unit - Tonne**

Table No. 24.3

THICKNESS (mm)	G.P. SHEET							G.C. SHEET		
	WIDTH (mm)							THICKNESS (mm)	WIDTH (MM)	
	900	905-995	1000	1025	1215	1220	Total		800	TOTAL
0.5	57	0	10	0	0	0	<b>68</b>	0.5	4	<b>4</b>
0.6	78	0	132	0	0	8	<b>217</b>	0.6	6	<b>6</b>
0.63	406	0	208	0	0	0	<b>614</b>	0.63	421	<b>421</b>
0.7	39	0	4	0	0	0	<b>44</b>	0.8	260	<b>260</b>
0.8	252	14	291	0	0	39	<b>596</b>	1.0	123	<b>123</b>
0.9	451	0	7	0	0	82	<b>540</b>	1.25	158	<b>158</b>
0.95	0	0	0	0	6	0	<b>6</b>			
1.0	113	32	78	0	16	319	<b>556</b>			
1.1	0	0	0	0	0	28	<b>28</b>			
1.2	29	29	69	0	19	578	<b>723</b>			
1.25	14	0	61	0	18	232	<b>325</b>			
1.4	0	0	0	0	0	369	<b>369</b>			
1.5	0	0	0	0	0	102	<b>102</b>			
1.6	139	7	122	7	6	433	<b>715</b>			
<b>Total</b>	<b>1576</b>	<b>81</b>	<b>982</b>	<b>7</b>	<b>65</b>	<b>2190</b>	<b>4901</b>	<b>Total</b>	<b>972</b>	<b>972</b>

**राज्यवार प्रेषण**  
**STATEWISE DESPATCH**

IRON &amp; STEEL(Prime Products)

Unit - Tonne

Table No. 24.4

STATE	Pig									TOTAL
	Iron	HR Coil	HR Plate	HR Sheet	CR Coil	CR Sheet	GP Coil	GP Sheet	GC Sheet	
Andhra Pradesh	0	1917	14155	3776	0	0	78	0	0	19926
Assam	0	72860	3146	1259	4438	0	0	60	123	81886
Bihar	36468	35063	4110	10672	16178	0	682	0	0	66704
Chandigarh	0	53381	3044	799	5028	0	0	0	0	62251
Chhattisgarh	0	12917	9019	3171	0	152	0	0	0	25259
Delhi	0	16306	5986	682	92205	0	5917	194	0	121290
Gujarat	0	18381	27789	3511	40685	125	307	698	0	91497
Haryana	0	542496	37790	10421	211846	2077	7297	0	0	811928
Himachal Pradesh	0	27300	0	0	0	0	0	0	0	27300
Jharkhand	2732	148870	19453	7371	47700	30	4034	730	405	228592
Karnataka	0	5587	15192	812	50732	1280	373	0	0	73976
Kerala	0	0	3188	269	63	0	0	0	0	3521
Madhya Pradesh	0	34823	7706	2042	0	29	0	0	0	44600
Maharashtra	0	22023	13201	1437	44088	0	0	0	0	80748
Odisha	0	9041	1914	805	568	1430	0	186	0	13944
Punjab	0	91342	4133	685	27368	0	251	64	0	123843
Rajasthan	0	38685	15739	531	20643	0	1676	228	0	77502
Tamil Nadu	0	43247	35441	2958	57002	583	1554	248	125	141158
Telangana	0	954	14757	4948	97448	257	127	0	0	118491
Uttar Pradesh	0	408934	38637	8192	30724	297	10116	66	319	497287
Uttarakhand	0	7709	33	0	0	0	0	0	0	7742
West Bengal	62304	188910	49734	26197	67930	0	21293	2427	0	356491
Export	0	181899	1530	127	15141	0	0	0	0	198697
<b>Total</b>	<b>101505</b>	<b>1962645</b>	<b>325697</b>	<b>90665</b>	<b>829786</b>	<b>6261</b>	<b>53704</b>	<b>4901</b>	<b>972</b>	<b>3274631</b>

विविध उत्पादों का प्रेषण  
DESPATCH OF MISCELLANEOUS PRODUCTS

Unit - Tonne

Table No. 24.5

PRODUCTS	By Rail	By Road	Total	PRODUCTS	By Rail	By Road	Total
<b>IRON SCRAP</b>				<b>SLAG</b>			
Spilled Hot Metal	0	2296	2296	Granulated Slag	1044619	73675	1118294
U.R.C.I Blocks/ Boulder	0	25	25	(155734 by Conveyor)			
Iron Scrap from slag dump	0	28948	28948	Air cooled BF Slag	0	14889	14889
Iron Slag Boulders from BF slagdump	0	2806	2806	LD Slag	0	15721	15721
<b>Total</b>	<b>0</b>	<b>34075</b>	<b>34075</b>	<b>BY PRODUCTS AND OTHERS</b>			
<b>STEEL SCRAP</b>				BF Coke	2584	0	2584
Turning & Boring	0	0	0	Mixed Coke	6594	0	6594
HRCF Side Trimming	0	4293	4293	Breeze Coke	0	885	885
HR Plate/Sheet Cutting	0	7673	7673	Ammonium Sulphate	0	31589	31589
U/R S S Scrap	0	75	75	H.P.Naphthalene	0	1560	1560
<b>Total</b>	<b>0</b>	<b>12041</b>	<b>12041</b>	Extra Hard Pitch	0	1847	1847
<b>REFRACTORY BRICKS</b>				Benzol	0	5476	5476
HA BRO-62	0	0	0	Lime Dust	0	8679	8679
Aluminium Silicate	0	2701	2701	Crude Tar	0	20925	20925
Magnesia Carbon	0	46	46	Liquid Argon	0	5307	5307
Mixed Basic High Alumina	0	20	20	Zn - Alloy/Dross	0	228	228
				Ferro Alloys	0	4449	4449

**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

PERIOD	Unit - Tonne									
	INGOT	SLAB					Grand Total	THICK PLATE		
	PRIME IPT	Direct	Stock Yard	PRIME IPT Incl. Spade & Jackle	Export	Total			SECONDARY Defective Slab	
APR'19	0	0	0	0	0	0	0	0	0	644
MAY	0	0	0	0	0	0	0	0	0	1289
JUN	0	0	0	0	0	0	0	0	0	685
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2618</b>
JULY	0	0	0	0	0	0	0	0	0	638
AUG	0	0	0	0	0	0	0	0	0	557
SEP	0	0	0	0	0	0	0	0	0	1024
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2219</b>
OCT	0	0	0	0	0	0	0	0	0	769
NOV	0	0	0	0	0	0	0	0	0	487
DEC	0	0	0	0	0	0	0	0	0	2327
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3583</b>
JAN'20	0	0	0	0	0	0	0	0	0	972
FEB	0	0	0	0	0	0	0	0	0	661
MAR	0	0	0	0	0	0	0	0	0	615
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2248</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10668</b>
2018-19	0	11571	0	2730	0	14301	0	14301	0	12090
2017-18	0	24836	203	2739	0	27778	15	27793	15	17567
2016-17	457	84982	0	8759	53312	147053	0	147053	0	25672
2015-16	9144	95208	0	8328	0	103536	0	103536	0	18726



**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

**HR COIL**

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	PRIME					SECONDARY	Grand Total
	Direct	Stock Yard	IPT	Export	Total		
APR'19	115869	43660	0	14198	173727	290	174017
MAY	123426	23466	0	11875	158767	154	158921
JUN	123815	29441	0	11019	164275	191	164466
<b>1ST QTR.</b>	<b>363110</b>	<b>96567</b>	<b>0</b>	<b>37092</b>	<b>496769</b>	<b>635</b>	<b>497404</b>
JULY	105461	45235	0	17925	168621	311	168932
AUG	91839	53571	0	6858	152268	900	153168
SEP	93572	41847	0	8354	143773	219	143992
<b>2ND QTR.</b>	<b>290872</b>	<b>140653</b>	<b>0</b>	<b>33137</b>	<b>464662</b>	<b>1430</b>	<b>466092</b>
OCT	88152	43113	0	9229	140494	93	140587
NOV	111330	37351	0	7510	156191	913	157104
DEC	131549	19129	0	37230	187908	47	187955
<b>3RD QTR.</b>	<b>331031</b>	<b>99593</b>	<b>0</b>	<b>53969</b>	<b>484593</b>	<b>1053</b>	<b>485646</b>
JAN'20	140047	30764	0	20109	190920	490	191410
FEB	139690	29070	0	19407	188167	419	188586
MAR	91309	28040	0	18185	137534	631	138165
<b>4TH QTR.</b>	<b>371046</b>	<b>87874</b>	<b>0</b>	<b>57701</b>	<b>516621</b>	<b>1540</b>	<b>518161</b>
<b>2019-20</b>	<b>1356059</b>	<b>424687</b>	<b>0</b>	<b>181899</b>	<b>1962645</b>	<b>4658</b>	<b>1967303</b>
2018-19	1572361	257310	2677	95153	1927501	3962	1931463
2017-18	1562563	269791	0	121841	1954195	4016	1958211
2016-17	1346512	406992	0	102846	1856350	4302	1860652
2015-16	1213552	553506	0	35888	1802946	10778	1813724

**माहवार प्रेषण  
MONTHWISE DESPATCH**

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	HR PLATE						HR SHEET					
	PRIME				SECON- DARY	Grand Total	PRIME				SECON- DARY	Grand Total
	Direct	Stock Yard	Export	Total			Direct	Stock Yard	Export	Total		
APR'19	10004	22721	39	32764	940	33704	5061	4191	127	9379	105	9484
MAY	9475	21142	0	30617	966	31583	4654	3546	0	8200	226	8426
JUN	9953	18517	0	28470	1232	29702	4052	4491	0	8543	180	8723
<b>1ST QTR.</b>	<b>29432</b>	<b>62380</b>	<b>39</b>	<b>91851</b>	<b>3138</b>	<b>94989</b>	<b>13767</b>	<b>12228</b>	<b>127</b>	<b>26122</b>	<b>511</b>	<b>26633</b>
JULY	10980	17014	0	27994	1302	29296	3036	3932	0	6968	32	7000
AUG	9117	20467	0	29584	2008	31592	3505	3410	0	6915	450	7365
SEP	7960	14735	0	22695	1617	24312	4628	2673	0	7301	27	7328
<b>2ND QTR.</b>	<b>28057</b>	<b>52216</b>	<b>0</b>	<b>80273</b>	<b>4927</b>	<b>85200</b>	<b>11169</b>	<b>10015</b>	<b>0</b>	<b>21184</b>	<b>509</b>	<b>21693</b>
OCT	4676	12655	0	17331	747	18078	2789	2074	0	4863	231	5094
NOV	9477	17882	0	27359	2036	29395	3993	2833	0	6826	366	7192
DEC	15924	17055	712	33691	831	34522	5827	2670	0	8497	178	8675
<b>3RD QTR.</b>	<b>30077</b>	<b>47592</b>	<b>712</b>	<b>78381</b>	<b>3614</b>	<b>81995</b>	<b>12609</b>	<b>7577</b>	<b>0</b>	<b>20186</b>	<b>775</b>	<b>20961</b>
JAN'20	20900	7999	619	29518	871	30389	6235	2294	0	8529	151	8680
FEB	16509	9224	160	25893	884	26777	6083	3098	0	9181	328	9509
MAR	9193	10588	0	19781	537	20318	4347	1116	0	5463	148	5611
<b>4TH QTR.</b>	<b>46602</b>	<b>27811</b>	<b>779</b>	<b>75192</b>	<b>2292</b>	<b>77484</b>	<b>16665</b>	<b>6508</b>	<b>0</b>	<b>23173</b>	<b>627</b>	<b>23800</b>
<b>2019-20</b>	<b>134168</b>	<b>189999</b>	<b>1530</b>	<b>325697</b>	<b>13971</b>	<b>339668</b>	<b>54210</b>	<b>36328</b>	<b>127</b>	<b>90665</b>	<b>2422</b>	<b>93087</b>
2018-19	207662	151008	4012	362682	9934	372616	63185	32100	0	95285	3548	98833
2017-18	206599	127211	1769	335579	10182	345761	73481	30313	0	103794	2588	106382
2016-17	225196	181105	4237	410538	13569	424107	49795	44118	0	93913	1945	95858
2015-16	146796	171150	1543	319489	17164	336653	43514	55772	0	99286	2819	102105

**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

CR COIL

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	PRIME					SECONDARY					Grand Total	
	Direct	Stock Yard	IPT	Export	Total	HRPD	Def CR Coil	CRUA Coil	Coil Ends	CRM-III		Total
APR'19	41411	22519	0	1605	65535	654	216	743	4114	1863	7590	73125
MAY	43437	21018	0	3501	67956	444	193	0	3119	1878	5634	73590
JUN	44793	24403	0	2098	71294	376	38	134	2562	1702	4812	76106
<b>1ST QTR.</b>	<b>129641</b>	<b>67940</b>	<b>0</b>	<b>7204</b>	<b>204785</b>	<b>1474</b>	<b>447</b>	<b>877</b>	<b>9795</b>	<b>5443</b>	<b>18036</b>	<b>222821</b>
JULY	34654	28657	0	225	63536	599	569	947	2298	2094	6507	70043
AUG	31927	38797	0	703	71427	408	774	85	3476	2647	7390	78817
SEP	41985	20915	0	426	63326	768	549	144	6007	3724	11192	74518
<b>2ND QTR.</b>	<b>108566</b>	<b>88369</b>	<b>0</b>	<b>1354</b>	<b>198289</b>	<b>1775</b>	<b>1892</b>	<b>1176</b>	<b>11781</b>	<b>8465</b>	<b>25089</b>	<b>223378</b>
OCT	27248	26885	0	1338	55471	1265	384	177	3579	2152	7557	63028
NOV	31763	41393	0	489	73645	848	453	980	2533	2764	7578	81223
DEC	50892	32778	0	391	84061	605	456	932	3288	1659	6940	91001
<b>3RD QTR.</b>	<b>109903</b>	<b>101056</b>	<b>0</b>	<b>2218</b>	<b>213177</b>	<b>2718</b>	<b>1293</b>	<b>2089</b>	<b>9400</b>	<b>6575</b>	<b>22075</b>	<b>235252</b>
JAN'20	66125	23487	0	2301	91913	315	320	203	1730	1742	4310	96223
FEB	53501	11890	0	752	66143	77	349	56	1341	1285	3108	69251
MAR	38526	15641	0	1312	55479	361	348	0	554	1309	2572	58051
<b>4TH QTR.</b>	<b>158152</b>	<b>51018</b>	<b>0</b>	<b>4365</b>	<b>213535</b>	<b>753</b>	<b>1017</b>	<b>259</b>	<b>3625</b>	<b>4336</b>	<b>9990</b>	<b>223525</b>
<b>2019-20</b>	<b>506262</b>	<b>308383</b>	<b>0</b>	<b>15141</b>	<b>829786</b>	<b>6720</b>	<b>4649</b>	<b>4401</b>	<b>34601</b>	<b>24819</b>	<b>75190</b>	<b>904976</b>
2018-19	702694	145801	0	18010	866505	9138	3360	4133	55865	20450	92946	959451
2017-18	659831	160274	0	35089	855194	6210	4759	5153	31406	17940	65468	920662
2016-17	352054	258929	0	4173	615156	8921	8238	5419	29995	10545	63118	678274
2015-16	177476	123150	0	0	300626	11722	4383	10312	20699	0	47116	347742

**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

Table No. 24.6(Contd.)

PERIOD	Unit - Tonne												
	CR SHEET			GP COIL					GP SHEET				
	PRIME			Direct	PRIME		Def. GP Coil	Grand Total	PRIME			Def. GP Sheet	Grand Total
	Direct	Stock Yard	Total		Stock Yard	Total			Direct	Stock Yard	Total		
APR'19	384	189	573	2010	6212	8222	214	8436	64	223	287	319	606
MAY	0	0	0	2650	6763	9413	356	9769	0	1290	1290	157	1447
JUN	0	702	702	743	6290	7033	530	7563	0	321	321	226	547
<b>1ST QTR.</b>	<b>384</b>	<b>891</b>	<b>1275</b>	<b>5403</b>	<b>19265</b>	<b>24668</b>	<b>1100</b>	<b>25768</b>	<b>64</b>	<b>1834</b>	<b>1898</b>	<b>702</b>	<b>2600</b>
JULY	0	774	774	2741	2902	5643	250	5893	0	297	297	147	444
AUG	0	93	93	1183	3310	4493	426	4919	0	228	228	256	484
SEP	0	463	463	2185	632	2817	467	3284	0	429	429	377	806
<b>2ND QTR.</b>	<b>0</b>	<b>1330</b>	<b>1330</b>	<b>6109</b>	<b>6844</b>	<b>12953</b>	<b>1143</b>	<b>14096</b>	<b>0</b>	<b>954</b>	<b>954</b>	<b>780</b>	<b>1734</b>
OCT	0	347	347	354	559	913	391	1304	60	0	60	162	222
NOV	0	1454	1454	1891	257	2148	617	2765	98	233	331	717	1048
DEC	0	790	790	1415	195	1610	43	1653	127	0	127	439	566
<b>3RD QTR.</b>	<b>0</b>	<b>2591</b>	<b>2591</b>	<b>3660</b>	<b>1011</b>	<b>4671</b>	<b>1051</b>	<b>5722</b>	<b>285</b>	<b>233</b>	<b>518</b>	<b>1318</b>	<b>1836</b>
JAN'20	0	687	687	2655	741	3396	161	3557	66	4	70	330	400
FEB	0	315	315	2554	940	3494	181	3675	157	1304	1461	577	2038
MAR	0	63	63	870	3652	4522	195	4717	0	0	0	96	96
<b>4TH QTR.</b>	<b>0</b>	<b>1065</b>	<b>1065</b>	<b>6079</b>	<b>5333</b>	<b>11412</b>	<b>537</b>	<b>11949</b>	<b>223</b>	<b>1308</b>	<b>1531</b>	<b>1003</b>	<b>2534</b>
<b>2019-20</b>	<b>384</b>	<b>5877</b>	<b>6261</b>	<b>21251</b>	<b>32453</b>	<b>53704</b>	<b>3831</b>	<b>57535</b>	<b>572</b>	<b>4329</b>	<b>4901</b>	<b>3803</b>	<b>8704</b>
2018-19	8339	8008	16347	65729	40035	105764	10484	116248	454	8627	9081	7915	16996
2017-18	3621	14369	17990	34904	57374	92278	6492	98770	0	9826	9826	2875	12701
2016-17	768	14371	15139	28459	55176	83635	3982	87617	185	13319	13504	3077	16581
2015-16	193	13415	13608	4206	53171	57377	3273	60650	0	14033	14033	5313	19346

**माहवार प्रेषण  
MONTHWISE DESPATCH**

Table No. 24.6(Contd.)

PERIOD	GC SHEET						GALVANISED PRODUCTS					
	PRIME				Def. GC Sheet	Grand Total	PRIME				Defective	Grand Total
	Direct	Stock Yard	Export	Total			Direct	Stock Yard	Export	Total		
APR'19	0	65	0	65	12	77	2074	6500	0	8574	545	9119
MAY	0	84	0	84	0	84	2650	8137	0	10787	513	11300
JUN	0	244	0	244	0	244	743	6855	0	7598	756	8354
<b>1ST QTR.</b>	<b>0</b>	<b>393</b>	<b>0</b>	<b>393</b>	<b>12</b>	<b>405</b>	<b>5467</b>	<b>21492</b>	<b>0</b>	<b>26959</b>	<b>1814</b>	<b>28773</b>
JULY	0	192	0	192	0	192	2741	3391	0	6132	397	6529
AUG	0	125	0	125	6	131	1183	3663	0	4846	688	5534
SEP	0	25	0	25	0	25	2185	1086	0	3271	844	4115
<b>2ND QTR.</b>	<b>0</b>	<b>342</b>	<b>0</b>	<b>342</b>	<b>6</b>	<b>348</b>	<b>6109</b>	<b>8140</b>	<b>0</b>	<b>14249</b>	<b>1929</b>	<b>16178</b>
OCT	0	0	0	0	0	0	414	559	0	973	553	1526
NOV	0	161	0	161	0	161	1989	651	0	2640	1334	3974
DEC	0	0	0	0	11	11	1542	195	0	1737	493	2230
<b>3RD QTR.</b>	<b>0</b>	<b>161</b>	<b>0</b>	<b>161</b>	<b>11</b>	<b>172</b>	<b>3945</b>	<b>1405</b>	<b>0</b>	<b>5350</b>	<b>2380</b>	<b>7730</b>
JAN'20	0	0	0	0	0	0	2721	745	0	3466	491	3957
FEB	13	0	0	13	0	13	2724	2244	0	4968	758	5726
MAR	63	0	0	63	4	67	933	3652	0	4585	295	4880
<b>4TH QTR.</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>4</b>	<b>80</b>	<b>6378</b>	<b>6641</b>	<b>0</b>	<b>13019</b>	<b>1544</b>	<b>14563</b>
<b>2019-20</b>	<b>76</b>	<b>896</b>	<b>0</b>	<b>972</b>	<b>33</b>	<b>1005</b>	<b>21899</b>	<b>37678</b>	<b>0</b>	<b>59577</b>	<b>7667</b>	<b>67244</b>
2018-19	128	898	0	1026	147	1173	66311	49560	0	115871	18546	134417
2017-18	0	687	0	687	214	901	34904	67887	0	102791	9581	112372
2016-17	0	3516	0	3516	709	4225	28644	72011	0	100655	7768	108423
2015-16	0	3205	49	3254	352	3606	4206	70409	49	74664	8938	83602

**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

**SALEABLE STEEL**

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	PRIME					Secondary	Grand Total
	Direct	Stock Yard	IPT	Export	Total		
APR'19	174803	99780	0	15969	290552	10114	300666
MAY	183642	77309	0	15376	276327	8782	285109
JUN	183356	84409	0	13117	280882	7856	288738
<b>1ST QTR.</b>	<b>541801</b>	<b>261498</b>	<b>0</b>	<b>44462</b>	<b>847761</b>	<b>26752</b>	<b>874513</b>
JULY	156872	99003	0	18150	274025	9187	283212
AUG	137571	120001	0	7561	265133	11993	277126
SEP	150330	81719	0	8780	240829	14923	255752
<b>2ND QTR.</b>	<b>444773</b>	<b>300723</b>	<b>0</b>	<b>34491</b>	<b>779987</b>	<b>36103</b>	<b>816090</b>
OCT	123279	85633	0	10567	219479	9950	229429
NOV	158552	101564	0	7999	268115	12714	280829
DEC	205734	72617	0	38333	316684	10816	327500
<b>3RD QTR.</b>	<b>487565</b>	<b>259814</b>	<b>0</b>	<b>56899</b>	<b>804278</b>	<b>33480</b>	<b>837758</b>
JAN'20	236028	65976	0	23029	325033	7285	332318
FEB	218507	55841	0	20319	294667	6158	300825
MAR	144308	59100	0	19497	222905	4798	227703
<b>4TH QTR.</b>	<b>598843</b>	<b>180917</b>	<b>0</b>	<b>62845</b>	<b>842605</b>	<b>18241</b>	<b>860846</b>
<b>2019-20</b>	<b>2072982</b>	<b>1002952</b>	<b>0</b>	<b>198697</b>	<b>3274631</b>	<b>114576</b>	<b>3389207</b>
2018-19	2632123	643787	5407	117175	3398492	141026	3539518
2017-18	2565835	670048	2739	158699	3397321	109417	3506738
2016-17	2087951	977526	9216	164568	3239261	116374	3355635
2015-16	1680945	987402	17472	37480	2723299	105541	2828840

# माहवार प्रेषण MONTHWISE DESPATCH

## DIRECT DESPATCH

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	Slab	HR Coil	HR Plate	HR Sheet	CR Coil	CR Sheet	GP Coil	GP Sheet	GC Sheet	GP Coil, GP/GC Sheet	Total
APR'19	0	115869	10004	5061	41411	384	2010	64	0	2074	174803
MAY	0	123426	9475	4654	43437	0	2650	0	0	2650	183642
JUN	0	123815	9953	4052	44793	0	743	0	0	743	183356
<b>1ST QTR.</b>	<b>0</b>	<b>363110</b>	<b>29432</b>	<b>13767</b>	<b>129641</b>	<b>384</b>	<b>5403</b>	<b>64</b>	<b>0</b>	<b>5467</b>	<b>541801</b>
JULY	0	105461	10980	3036	34654	0	2741	0	0	2741	156872
AUG	0	91839	9117	3505	31927	0	1183	0	0	1183	137571
SEP	0	93572	7960	4628	41985	0	2185	0	0	2185	150330
<b>2ND QTR.</b>	<b>0</b>	<b>290872</b>	<b>28057</b>	<b>11169</b>	<b>108566</b>	<b>0</b>	<b>6109</b>	<b>0</b>	<b>0</b>	<b>6109</b>	<b>444773</b>
OCT	0	88152	4676	2789	27248	0	354	60	0	414	123279
NOV	0	111330	9477	3993	31763	0	1891	98	0	1989	158552
DEC	0	131549	15924	5827	50892	0	1415	127	0	1542	205734
<b>3RD QTR.</b>	<b>0</b>	<b>331031</b>	<b>30077</b>	<b>12609</b>	<b>109903</b>	<b>0</b>	<b>3660</b>	<b>285</b>	<b>0</b>	<b>3945</b>	<b>487565</b>
JAN'20	0	140047	20900	6235	66125	0	2655	66	0	2721	236028
FEB	0	139690	16509	6083	53501	0	2554	157	13	2724	218507
MAR	0	91309	9193	4347	38526	0	870	0	63	933	144308
<b>4TH QTR.</b>	<b>0</b>	<b>371046</b>	<b>46602</b>	<b>16665</b>	<b>158152</b>	<b>0</b>	<b>6079</b>	<b>223</b>	<b>76</b>	<b>6378</b>	<b>598843</b>
<b>2019-20</b>	<b>0</b>	<b>1356059</b>	<b>134168</b>	<b>54210</b>	<b>506262</b>	<b>384</b>	<b>21251</b>	<b>572</b>	<b>76</b>	<b>21899</b>	<b>2072982</b>
2018-19	11571	1572361	207662	63185	702694	8339	65729	454	128	66311	2632123
2017-18	24836	1562563	206599	73481	659831	3621	34904	0	0	34904	2565835
2016-17	84982	1346512	225196	49795	352054	768	28459	185	0	28644	2087951
2015-16	95208	1213552	146796	43514	177476	193	4206	0	0	4206	1680945

# माहवार प्रेषण MONTHWISE DESPATCH

## STOCKYARD DESPATCH

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	Slab	HR Coil	HR Plate	HR Sheet	CR Coil	CR Sheet	GP Coil	GP Sheet	GC Sheet	GP Coil, GP/GC Sheet	Total
APR'19	0	43660	22721	4191	22519	189	6212	223	65	6500	99780
MAY	0	23466	21142	3546	21018	0	6763	1290	84	8137	77309
JUN	0	29441	18517	4491	24403	702	6290	321	244	6855	84409
<b>1ST QTR.</b>	<b>0</b>	<b>96567</b>	<b>62380</b>	<b>12228</b>	<b>67940</b>	<b>891</b>	<b>19265</b>	<b>1834</b>	<b>393</b>	<b>21492</b>	<b>261498</b>
JULY	0	45235	17014	3932	28657	774	2902	297	192	3391	99003
AUG	0	53571	20467	3410	38797	93	3310	228	125	3663	120001
SEP	0	41847	14735	2673	20915	463	632	429	25	1086	81719
<b>2ND QTR.</b>	<b>0</b>	<b>140653</b>	<b>52216</b>	<b>10015</b>	<b>88369</b>	<b>1330</b>	<b>6844</b>	<b>954</b>	<b>342</b>	<b>8140</b>	<b>300723</b>
OCT	0	43113	12655	2074	26885	347	559	0	0	559	85633
NOV	0	37351	17882	2833	41393	1454	257	233	161	651	101564
DEC	0	19129	17055	2670	32778	790	195	0	0	195	72617
<b>3RD QTR.</b>	<b>0</b>	<b>99593</b>	<b>47592</b>	<b>7577</b>	<b>101056</b>	<b>2591</b>	<b>1011</b>	<b>233</b>	<b>161</b>	<b>1405</b>	<b>259814</b>
JAN'20	0	30764	7999	2294	23487	687	741	4	0	745	65976
FEB	0	29070	9224	3098	11890	315	940	1304	0	2244	55841
MAR	0	28040	10588	1116	15641	63	3652	0	0	3652	59100
<b>4TH QTR.</b>	<b>0</b>	<b>87874</b>	<b>27811</b>	<b>6508</b>	<b>51018</b>	<b>1065</b>	<b>5333</b>	<b>1308</b>	<b>0</b>	<b>6641</b>	<b>180917</b>
<b>2019-20</b>	<b>0</b>	<b>424687</b>	<b>189999</b>	<b>36328</b>	<b>308383</b>	<b>5877</b>	<b>32453</b>	<b>4329</b>	<b>896</b>	<b>37678</b>	<b>1002952</b>
2018-19	0	257310	151008	32100	145801	8008	40035	8627	898	49560	643787
2017-18	203	269791	127211	30313	160274	14369	57374	9826	687	67887	670048
2016-17	0	406992	181105	44118	258929	14371	55176	13319	3516	72011	977526
2015-16	0	553506	171150	55772	123150	13415	53171	14033	3205	70409	987402



**माहवार प्रेषण  
MONTHWISE DESPATCH**

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	EXPORT								IPT				
	Pig Iron	Saleable Steel							Pig Iron	Saleable Steel			
		Slab	HR Coil	HR Plate	HR Sheet	CR Coil	GC Sheet	Total		Ingot	Slab	HR Coil	Total
APR'19	0	0	14198	39	127	1605	0	15969	0	0	0	0	0
MAY	0	0	11875	0	0	3501	0	15376	0	0	0	0	0
JUN	0	0	11019	0	0	2098	0	13117	0	0	0	0	0
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>37092</b>	<b>39</b>	<b>127</b>	<b>7204</b>	<b>0</b>	<b>44462</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JULY	0	0	17925	0	0	225	0	18150	0	0	0	0	0
AUG	0	0	6858	0	0	703	0	7561	0	0	0	0	0
SEP	0	0	8354	0	0	426	0	8780	0	0	0	0	0
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>33137</b>	<b>0</b>	<b>0</b>	<b>1354</b>	<b>0</b>	<b>34491</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
OCT	0	0	9229	0	0	1338	0	10567	0	0	0	0	0
NOV	0	0	7510	0	0	489	0	7999	0	0	0	0	0
DEC	0	0	37230	712	0	391	0	38333	0	0	0	0	0
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>53969</b>	<b>712</b>	<b>0</b>	<b>2218</b>	<b>0</b>	<b>56899</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JAN'20	0	0	20109	619	0	2301	0	23029	0	0	0	0	0
FEB	0	0	19407	160	0	752	0	20319	0	0	0	0	0
MAR	0	0	18185	0	0	1312	0	19497	0	0	0	0	0
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>57701</b>	<b>779</b>	<b>0</b>	<b>4365</b>	<b>0</b>	<b>62845</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>181899</b>	<b>1530</b>	<b>127</b>	<b>15141</b>	<b>0</b>	<b>198697</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
2018-19	2552	0	95153	4012	0	18010	0	117175	8435	0	2730	2677	5407
2017-18	0	0	121841	1769	0	35089	0	158699	2774	0	2739	0	2739
2016-17	17881	53312	102846	4237	0	4173	0	164568	2516	457	8759	0	9216
2015-16	21789	0	35888	1543	0	0	49	37480	0	9144	8328	0	17472

**माहवार प्रेषण**  
**MONTHWISE DESPATCH**

**PIG IRON, COKE FRACTIONS & BY PRODUCTS**

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	Pig Iron	Hard Coke	Mixed Coke	Breeze Coke	Amm. Sulph.	Crude Tar	H.P. Naph.	H.M.P	E.H.P	Crude Benzol	Granulated Slag SGP+CH	Air cooled BF Slag	L.D Slag
APR'19	13804	0	0	0	1859	1164	149	86	141	894	89786	11907	1716
MAY	8241	0	0	367	2911	1512	114	98	156	301	97330	0	1835
JUN	8248	0	0	58	3490	587	59	131	88	253	102099	0	1783
<b>1ST QTR.</b>	<b>30293</b>	<b>0</b>	<b>0</b>	<b>425</b>	<b>8260</b>	<b>3263</b>	<b>322</b>	<b>315</b>	<b>385</b>	<b>1448</b>	<b>289215</b>	<b>11907</b>	<b>5334</b>
JULY	8150	0	0	0	3548	1412	214	29	166	228	93421	0	669
AUG	5511	0	0	0	3594	2340	108	58	150	988	90509	0	1287
SEP	11019	0	0	0	2706	2436	199	30	114	482	96840	988	1108
<b>2ND QTR.</b>	<b>24680</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9848</b>	<b>6188</b>	<b>521</b>	<b>117</b>	<b>430</b>	<b>1698</b>	<b>280770</b>	<b>988</b>	<b>3064</b>
OCT	8004	2584	0	43	2344	2958	49	73	135	526	96511	47	1100
NOV	16355	0	0	91	2595	958	149	105	165	55	84857	948	1431
DEC	6424	0	0	67	2779	3002	174	135	195	472	79961	482	1786
<b>3RD QTR.</b>	<b>30783</b>	<b>2584</b>	<b>0</b>	<b>201</b>	<b>7718</b>	<b>6918</b>	<b>372</b>	<b>313</b>	<b>495</b>	<b>1053</b>	<b>261329</b>	<b>1477</b>	<b>4317</b>
JAN'20	10318	0	0	92	1658	3152	148	249	208	620	99488	517	211
FEB	5431	0	3506	134	3220	797	49	202	129	216	94989	0	1440
MAR	0	0	3088	33	885	607	148	30	200	441	92503	0	1355
<b>4TH QTR.</b>	<b>15749</b>	<b>0</b>	<b>6594</b>	<b>259</b>	<b>5763</b>	<b>4556</b>	<b>345</b>	<b>481</b>	<b>537</b>	<b>1277</b>	<b>286980</b>	<b>517</b>	<b>3006</b>
<b>2019-20</b>	<b>101505</b>	<b>2584</b>	<b>6594</b>	<b>885</b>	<b>31589</b>	<b>20925</b>	<b>1560</b>	<b>1226</b>	<b>1847</b>	<b>5476</b>	<b>1118294</b>	<b>14889</b>	<b>15721</b>
2018-19	79408	2549	13133	1167	25900	12914	2068	1182	2128	6348	1112105	13091	13979
2017-18	18459	9354	144316	849	26445	4457	2185	1646	2485	3811	980569	-	6652
2016-17	57318	109608	35596	650	26088	7545	1935	1414	2371	3539	775121	-	10995
2015-16	40651	33501	19773	935	29451	22137	1531	171	1942	1787	812328	-	7042

# माहवार प्रेषण MONTHWISE DESPATCH

## SCRAP

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	Iron Scrap					Steel Scrap				
	Spilled H.M.	U.R. C.I. Blocks/ Boulders	Fe Scrap From Slag Dump	Iron Slag Boulders From BF Slag Dump	Total	Turning & Boring	HRCF Side Trimming	U.R. SS Scrap	HR PI/Sheet Cutting	Total
APR'19	262	0	2380	359	3001	0	0	0	1063	1063
MAY	330	0	3380	339	4049	0	992	0	562	1554
JUN	397	25	2144	228	2794	0	560	0	200	760
<b>1ST QTR.</b>	<b>989</b>	<b>25</b>	<b>7904</b>	<b>926</b>	<b>9844</b>	<b>0</b>	<b>1552</b>	<b>0</b>	<b>1825</b>	<b>3377</b>
JULY	9	0	2195	191	2395	0	675	0	0	675
AUG	0	0	1587	101	1688	0	526	0	819	1345
SEP	224	0	2164	122	2510	0	40	0	995	1035
<b>2ND QTR.</b>	<b>233</b>	<b>0</b>	<b>5946</b>	<b>414</b>	<b>6593</b>	<b>0</b>	<b>1241</b>	<b>0</b>	<b>1814</b>	<b>3055</b>
OCT	127	0	1906	188	2221	0	0	0	485	485
NOV	197	0	1697	298	2192	0	357	60	549	966
DEC	240	0	2116	424	2780	0	298	15	770	1083
<b>3RD QTR.</b>	<b>564</b>	<b>0</b>	<b>5719</b>	<b>910</b>	<b>7193</b>	<b>0</b>	<b>655</b>	<b>75</b>	<b>1804</b>	<b>2534</b>
JAN'20	140	0	2741	276	3157	0	638	0	1221	1859
FEB	255	0	4018	121	4394	0	207	0	635	842
MAR	115	0	2620	159	2894	0	0	0	374	374
<b>4TH QTR.</b>	<b>510</b>	<b>0</b>	<b>9379</b>	<b>556</b>	<b>10445</b>	<b>0</b>	<b>845</b>	<b>0</b>	<b>2230</b>	<b>3075</b>
<b>2019-20</b>	<b>2296</b>	<b>25</b>	<b>28948</b>	<b>2806</b>	<b>34075</b>	<b>0</b>	<b>4293</b>	<b>75</b>	<b>7673</b>	<b>12041</b>
2018-19	3751	15	25856	1803	31425	0	1753	0	7740	9493
2017-18	536	73	2433	0	3042	0	2073	0	1913	3986
2016-17	2770	410	17150	4152	24482	0	3710	0	2582	6292
2015-16	3204	195	20240	4973	28612	98	0	0	1669	1767

# माहवार प्रेषण MONTHWISE DESPATCH

## MISCELLANEOUS ITEMS

Unit - Tonne

Table No. 24.6(Contd.)

PERIOD	Bricks				Lime Dust	Calcined lime	Carbide Sludge	RMP Flue Dust	Liquid Argon	Zinc Alloy/Dross	Ferrous Material
	Alumn. Silicate	Mixed Basic/High Alumina	HA BRO-62	Magnesia Carbon							
APR'19	337	0	0	0	115	728	65	1115	745	27	359
MAY	272	0	0	46	79	826	54	1359	599	22	352
JUN	241	0	0	0	976	23	55	1346	721	0	456
<b>1ST QTR.</b>	<b>850</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>1170</b>	<b>1577</b>	<b>174</b>	<b>3820</b>	<b>2065</b>	<b>49</b>	<b>1167</b>
JULY	327	0	0	0	1049	0	0	1677	417	0	389
AUG	323	0	0	0	599	0	0	1313	30	0	374
SEP	0	0	0	0	867	0	0	1231	438	38	415
<b>2ND QTR.</b>	<b>650</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2515</b>	<b>0</b>	<b>0</b>	<b>4221</b>	<b>885</b>	<b>38</b>	<b>1178</b>
OCT	227	0	0	0	837	0	28	1468	742	106	373
NOV	211	0	0	0	810	0	37	1280	380	0	492
DEC	210	0	0	0	792	0	28	1487	144	0	185
<b>3RD QTR.</b>	<b>648</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2439</b>	<b>0</b>	<b>93</b>	<b>4235</b>	<b>1266</b>	<b>106</b>	<b>1050</b>
JAN'20	131	20	0	0	936	0	0	1245	275	35	370
FEB	145	0	0	0	983	0	0	812	478	0	394
MAR	277	0	0	0	636	0	75	721	338	0	290
<b>4TH QTR.</b>	<b>553</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>2555</b>	<b>0</b>	<b>75</b>	<b>2778</b>	<b>1091</b>	<b>35</b>	<b>1054</b>
<b>2019-20</b>	<b>2701</b>	<b>20</b>	<b>0</b>	<b>46</b>	<b>8679</b>	<b>1577</b>	<b>342</b>	<b>15054</b>	<b>5307</b>	<b>228</b>	<b>4449</b>
2018-19	4981	0	76	120	1272	6525	0	9877	5304	535	5987
2017-18	4032	0	807	54	1910	0	0	2914	4444	476	6222
2016-17	443	0	1356	186	2670	0	0	993	3248	192	4923
2015-16	0	0	0	52	1665	0	0	496	3657	307	1320

\$Silico Manganese

Page No. 407



माहवार देशवार निर्यात  
MONTHWISE COUNTRYWISE EXPORT

PERIOD	Unit - Tonne												Table No. 24.6			
	HR COIL				HR PLATE			HR SHEET		CR COIL				PIG IRON		
	BANGLA DESH	NEPAL	VIET NAM	TOTAL	NEPAL	BANGLA DESH	TOTAL	BANGLA DESH	NEPAL	BELGIUM	SAUDI ARABIA	TOTAL	UAE	NEPAL	Total	
APR'19	0	14198	0	14198	0	39	39	127	1605	0	0	1605	0	0	0	
MAY	1441	10434	0	11875	0	0	0	0	3501	0	0	3501	0	0	0	
JUN	56	10963	0	11019	0	0	0	0	2098	0	0	2098	0	0	0	
<b>1ST QTR.</b>	<b>1497</b>	<b>35595</b>	<b>0</b>	<b>37092</b>	<b>0</b>	<b>39</b>	<b>39</b>	<b>127</b>	<b>7204</b>	<b>0</b>	<b>0</b>	<b>7204</b>	<b>0</b>	<b>0</b>	<b>0</b>	
JULY	0	17925	0	17925	0	0	0	0	225	0	0	225	0	0	0	
AUG	0	6859	0	6859	0	0	0	0	703	0	0	703	0	0	0	
SEP	0	8354	0	8354	0	0	0	0	426	0	0	426	0	0	0	
<b>2ND QTR.</b>	<b>0</b>	<b>33138</b>	<b>0</b>	<b>33138</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1354</b>	<b>0</b>	<b>0</b>	<b>1354</b>	<b>0</b>	<b>0</b>	<b>0</b>	
OCT	127	9102	0	9229	0	0	0	0	1338	0	0	1338	0	0	0	
NOV	0	7510	0	7510	0	0	0	0	489	0	0	489	0	0	0	
DEC	0	10262	26967	37229	712	0	712	0	198	0	193	391	0	0	0	
<b>3RD QTR.</b>	<b>127</b>	<b>26874</b>	<b>26967</b>	<b>53968</b>	<b>712</b>	<b>0</b>	<b>712</b>	<b>0</b>	<b>2025</b>	<b>0</b>	<b>193</b>	<b>2218</b>	<b>0</b>	<b>0</b>	<b>0</b>	
JAN'20	815	19294	0	20109	483	136	619	0	1907	32	362	2301	0	0	0	
FEB	709	18698	0	19407	63	97	160	0	0	29	723	752	0	0	0	
MAR	0	18185	0	18185	0	0	0	0	1312	0	0	1312	0	0	0	
<b>4TH QTR.</b>	<b>1524</b>	<b>56177</b>	<b>0</b>	<b>57701</b>	<b>546</b>	<b>233</b>	<b>779</b>	<b>0</b>	<b>3219</b>	<b>61</b>	<b>1085</b>	<b>4365</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>2019-20</b>	<b>3148</b>	<b>151784</b>	<b>26967</b>	<b>181899</b>	<b>1258</b>	<b>272</b>	<b>1530</b>	<b>127</b>	<b>13802</b>	<b>61</b>	<b>1278</b>	<b>15141</b>	<b>0</b>	<b>0</b>	<b>0</b>	
2018-19	1009	94144	0	95153	1387	2625	4012	-	17321	548 ***	141 \$\$	18010	0	2552	2552	
2017-18	1067	107687	13087 *	121841	930 **	839	1769	-	29007	6082 ***	0	35089	0	0	0	
2016-17	6500	96346	0	102846	4237	0	4237	-	4173	0	0	4173	17881	0	17881	
2015-16	5477	30411	0	35888	1543	0	1543	-	49 \$	0	0	0	18302 #	3487	21789	

Page No. 408 \*HONGKONG: 10192T, TAIWAN: 2892 T

\*\* 271 t of SRILANKA

\$ GC Sheet to Nepal \*\*\* ITALY

# UK

Slab in 2016-17 : Germany : 33384 T, Thailand : 19928 T

\$\$ SRILANKA+DUBAI

**REPAIR , MAINTENANCE & MISCELLANEOUS**

प्रमुख इकाईयों की पृहत् मरम्मत  
CAPITAL REPAIR OF MAJOR UNITS



Table No.25.1(Contd.)

SL.NO.	DEPARTMENTS	Equipment	Nature of Repair	Duration		No.of Days
				From	To	
1.0	RMHP	TCP-2	Capital Repair	17.05.19	31.05.19	14 days
		Bucket Reclaimer	Major Repair	23.06.19	24.06.19	01 days
		Wagon Tippler-1	Major Repair	13.01.20	14.01.20	02 days
		Wagon Tippler-2	Capital Repair	10.02.20	26.02.20	17 days
2.0	COKE OVENS	Batt.-8	Re-Building	17.06.15	Contd.	-
		Batt.-6	Re-Building	29.12.17	Contd.	-
		H/C-31	Capital Repair	19.04.19	05.05.19	16 days
		WT-2	Major Repair	24.05.19	10.06.19	17 days
		Batt#5&6	Major Repair	08.06.19	19.06.19	11 days
		HC#30	Major Breakdown	20.01.20	27.01.20	07 days
		HC#32	Capital Repair	03.03.20	20.03.20	17 days
		Distillation column (005003)	Capital Repair	20.02.20	22.03.20	31 days
		Hyd. bailing Press	Capital Repair	20.02.20	22.03.20	31 days
		Decanter 007/3	Capital Repair	Oct'19	Apr'20	07 months
		Quenching Tower # 02	Breakdown	01.05.19	01.05.19	1day
		Door Extractor # 18	Breakdown	04.09.19	04.09.19	1day
		Coke Pusher # 04	Breakdown	15.10.19	17.10.19	3 days
Charging Car # 2	Breakdown	21.10.19		1day		
3.0	SINTER PLANT	Band-3	Capital repair	01.04.19	12.04.19	11 days
		Drum Feeder-6	Capital Repair	01.04.19	05.04.19	04 days
		KD 1 – 1A	Capital Repair	03.04.19	05.04.19	02 days
		SLC-3	Capital Repair	06.04.19	10.04.19	04 days
		D/C-3	Capital Repair	06.04.19	11.04.19	05 days

**प्रमुख इकाईयों की पृहत् मरम्मत**  
**CAPITAL REPAIR OF MAJOR UNITS**

Table No.25.1(Contd.)

SL.NO.	DEPARTMENTS	Equipment	Nature of Repair	Duration		No.of Days
				From	To	
3.0	SINTER PLANT	H/C-4	Capital Repair	23.04.19	Contd.	-
		Band-2	Capital Repair	20.08.19	29.08.19	09 days
		HC#3	Capital Repair	21.09.19	03.10.19	12 days
		Band-1	Mini Repair	03.02.20	05.02.20	02 days
4.0	BLAST FURNACE	BF-1	Capital Repair	15.05.12	Contd.	-
		BF-4/ Stove-2	Medium Repair	12.02.19	05.04.19	52 days
		CHSGP-3	Major Repair	24.04.19	06.05.19	12 days
		CHSGP-3	Major Repair	01.05.19	06.05.19	05 days
		BF-4/ Stove-1	Major Repair	10.05.19	15.05.19	05 days
		BF-5/SGP-9	Major Repair	13.06.19	08.07.19	25 days
		BF-3/SGP-5	Major Repair	16.07.19	19.07.19	03 days
		BF-3/SGP-5	Major Repair	25.05.19	17.08.19	84 days
		BF-4	Capital Repair	20.08.19	Contd.	-
		BF-5/SGP-10	Capital Repair	15.10.19	Contd.	-
		BF-2/SGP-3	Major Repair	20.01.20	23.01.20	03 days
		BF-4&5/ OLD CDI	Major Repair	02.01.20	05.01.20	03 days
		BF-4	PLANNED	05.10.19	20.01.20	107 days
		BF-5/SGP-9	Major Repair	20.01.20	01.02.20	12 days
		BF-1	Major Repair	15.02.20	18.02.20	03 days
		BF-1	Major Repair	19.02.20	22.02.20	03 days
		BF-1	Major Repair	28.02.20	29.02.20	01 day
		BF-3/SGP-6	Major Repair	24.02.20	Contd.	-
		BF-2/SGP-3	Major Repair	12.03.20	20.03.20	08 days
		LRS-1	Major Repair	22.02.20	Contd.	-



प्रमुख इकाईयों की पृहत् मरम्मत

CAPITAL REPAIR OF MAJOR UNITS

Table No.25.1(Contd.)

SL.NO.	DEPARTMENTS	Equipment	Nature of Repair	Duration		No.of Days
				From	To	
5.0	S.M.S.-I	Conv.-5E	Modernisation	01.11.15	22.05.19	-
		Conv-4A	Campaign Repair	04.06.18	-	-
		Conv.-2	Campaign Repair	12.09.19	25.09.19	13 days
		Conv-3	Campaign Repair	18.12.19	31.12.19	13 days
		St. Yd Crane	Major Repair	02.03.20	09.03.20	07 days
		St. Yd Crane 2	Major Repair	03.03.20	05.03.20	02 days
		Mixer-2	Capital Repair	02.08.18	Contd.	-
6.0	SMS-II/ CCS	Mixer-2	Capital Repair	07.12.19	Contd.	-
		Conv 1	Campaign Repair	02.05.19	15.05.19	14 days
		Conv 1	Campaign Repair	20.08.19	30.08.19	10 days
		Conv.-2	Campaign Repair	26.09.19	07.10.19	12 days
		Conv.- 1	Major Repair	09.05.19	14.05.19	05 days
		Charg Cr.-1	Major Repair	16.04.19	17.04.19	01 day
		Mixer Cr.-1	Major Repair	02.10.19	30.10.19	28 days
		Mixer Cr.-1	Major Repair	15.11.19	21.11.19	06 days
		Pump House-2	Major Repair	18.12.19	27.12.19	09 days
		Pump House-2	Major Repair	04.01.20	08.01.20	04 days
		AB Bay/ Pit Side	Major Repair	27.01.20	01.02.20	05 days
		Caster- 4 (CCS)	Capital Repair	07.05.19	12.05.19	05 days
		RERS (CCS)	Major Repair	20.05.19	04.06.19	15 days
7.0	HSM	F-11	Major Repair	25.09.19	28.09.19	04 days
		R-3	Major Repair	20.07.19	25.07.19	05 days
		Mill	Capital Repair	23.09.19	03.10.19	10 days

प्रमुख इकाईयों की वृहत् मरम्मत

CAPITAL REPAIR OF MAJOR UNITS

Table No.25.1(Contd.)

SL.NO.	DEPARTMENTS	Equipment	Nature of Repair	Duration		No.of Days
				From	To	
7.0	HSM	RHFce-2	Campaign Repair	01.01.20	16.01.20	15 days
		RHFce-2	Campaign Repair	08.02.20	21.02.20	13 days
		RHFce-3	Campaign Repair	26.03.20	15.04.20	20 days
8.0	HRCF	Inter Shop Conveyor	Major Repair/ Breakdown	13.08.19	18.08.19	05 days
		S/Line-1	Major Repair	04.10.19	16.10.19	12 days
		S/ Line-2	Major Repair	04.10.19	09.10.19	05 days
9.0	CRM 1&2	P/ Line-2	Major Repair	08.04.19	12.04.19	04 days
		T/ Mill-1	Major Repair	02.04.19	03.04.19	01 day
		Shop	Major Repair	14.11.19	21.11.19	07 days
		RGBS	Major Repair	17.12.19	24.12.19	07 days
		Motor room Crane	Major Repair	25.02.20	06.03.20	10 days
10.0	CRM 3	BAF	Major Repair	28.02.19	20.03.19	20 days
		PLTCM	Major Repair	27.04.19	30.04.19	03 days
		TLIL	Breakdown	25.06.19	27.06.19	02 days
		SPM	Major Repair	08.01.20	08.01.20	12 Hrs
		SPM	Major Repair	21.02.20	21.02.20	12 Hrs
		PLTCM	Major Repair	25.9.20	30.9.20	05 days
		ECL	Major Repair	21.7.19	23.7.19	03 days
		ECL	Major Repair	04.2.20	06.2.20	03 days

प्रमुख इकाईयों की वृहत् मरम्मत

**CAPITAL REPAIR OF MAJOR UNITS**



Table No.25.1

SL.NO.	DEPARTMENTS	Equipment	Nature of Repair	Duration		No.of Days
				From	To	
10.0	CRM 3	PLTCM	Major Repair	28.10.19	29.10.19	02 days
		PLTCM	Major Repair	07.11.19	07.11.19	16 hrs
		PLTCM	Major Repair	16.11.19	16.11.19	16 hrs
		PLTCM	Major Repair	10.01.20	10.01.20	16 hrs
11.0	RMP	Kiln-3	Capital Repair	02.04.19	29.06.19	90 days
		Kiln-2	Campaign repair	21.04.19	14.05.19	23 days
		Kiln-6	Campaign repair	14.05.19	23.05.19	09 days
		Kiln-4	Capital Repair	27.08.19	10.12.19	105 days
		Kiln-6	Campaign repair	23.11.19	04.12.19	11 days
		Kiln-1	Campaign repair	23.01.20	27.01.20	04 days
		Kiln-1	Campaign repair	21.02.20	24.02.20	04 days
		Kiln-5	Capital Repair	26.02.20	Contd.	-
		Kiln-2	TRM/Capital Repair	19.03.20	09.06.20	82 days
12.0	ICF	SHOP	Campaign Repair	04.02.20	29.02.20	25 days
13.0	MRD	Bailing Press	Capital Repair	04.07.19	18.07.19	14 days



**भारी अनुरक्षण - यांत्रिकी**  
**HEAVY MAINTENANCE - MECHANICAL**

Table No.25.2

SL.NO.	DEPARTMENT	NO.OF JOBS DONE		TIME TAKEN(HRS.)		Total Vulcanised Joints Made	Total Belt Length Changed (m)
		Planned	Unplanned	Planned	Unplanned		
1.	CO & BPP	437	26	3628	211	239	3457
2.	SP	590	46	5588	271	246	3809
3.	BF	351	29	2079	211	346	8391
4.	RMHP	270	53	2246	357	312	6051
5.	RMP	92	12	5363	226	38	569
6.	SMS-I	166	21	4207	342	17	268
7.	SMS -II	260	11	6204	182	26	812
8.	SL MILL	112	0	3536	0	0	0
9.	HSM	800	29	3022	178	0	0
10.	CRM	526	17	3647	94	119	450
11.	HRCF	251	6	1638	151	16	89
12.	IMF	45	1	874	4	5	92
13.	ICF	30	0	890	0	14	245
14.	SF	22	0	304	0	0	0
<b>TOTAL</b>		<b>3952</b>	<b>251</b>	<b>43226</b>	<b>2227</b>	<b>1378</b>	<b>24233</b>

भारी अनुरक्षण - वैद्युतिक  
HEAVY MAINTENANCE - ELECTRICAL



Unit - Nos.

Table No.25.3

PERIOD	Routine Maintenance and Inspection	Medium Repair Jobs	Break Down Jobs	Unscheduled Jobs
APR'19	185	32	3	9
MAY	190	22	2	8
JUN.	195	28	4	8
JUL.	194	33	4	11
AUG.	212	30	3	12
SEP.	240	25	3	11
OCT.	245	27	2	5
NOV.	221	31	2	10
DEC.	217	30	1	11
JAN'20	210	28	3	8
FEB.	230	26	1	10
MAR.	165	27	2	8
<b>2019-20</b>	<b>2504</b>	<b>339</b>	<b>30</b>	<b>111</b>



**वैद्युतिक मरम्मत शाला**  
**ELECTRICAL REPAIR SHOP**

Unit - Nos.

Table No.25.4(Contd.)

SL.NO.	DEPARTMENT	REWINDING OF ELECTRICAL MACHINES	MEDIUM REPAIR OF ELECTRICAL MACHINES	REPAIR OF WELDING TRANSFORMER	MANUFACTURE/ REWINDING OF COILS	REVAMPING OF MAGNET & APPARATUS
1.	ACVS	16	4	0	7	0
2.	BF	22	36	1	6	0
3.	CCS	81	13	0	1	0
4.	CISF	1	0	0	0	0
5.	CO	71	16	0	3	0
6.	CR(E)	1	0	2	0	0
7.	CR(M)	0	1	6	5	0
8.	CRM	159	31	6	40	1
9.	CRM3	106	9	7	0	0
10.	DNW	4	0	0	48	0
11.	EMD	3	3	0	0	0
12.	ERS	1	0	2	21	0
13.	FS	5	1	2	0	0
14.	GM(M)	0	0	2	0	0
15.	GU	7	2	0	0	0
16.	HM(M)	1	0	9	0	0
17.	HRCF	43	21	6	68	0
18.	HSM	113	15	19	5	5
19.	I&A	0	0	0	0	0
20.	ICF	9	0	1	3	0
21.	IMF	29	4	5	2	0

**वैद्युतिक मरम्मत शाला**  
**ELECTRICAL REPAIR SHOP**

Unit - Nos.

Table No.25.4

SL.NO.	DEPARTMENT	REWINDING OF ELECTRICAL MACHINES	MEDIUM REPAIR OF ELECTRICAL MACHINES	REPAIR OF WELDING TRANSFORMER	MANUFACTURE/REWINDING OF COILS	REVAMPING OF MAGNET & APPARATUS
22.	MS	6	2	0	42	0
23.	OG	3	0	0	0	0
24.	PFRS	0	1	0	0	0
25.	R & CL	1	0	0	0	0
26.	RED	2	0	0	0	0
27.	R&R	0	0	0	0	0
28.	RGBS	0	0	5	0	0
29.	RMHP	3	10	10	0	1
30.	RMP	11	0	0	0	0
31.	SF	11	0	0	0	0
32.	SM	42	16	6	3	7
33.	SMS1	48	19	1	3	4
34.	SMS2	64	50	2	19	2
35.	SP	50	45	1	0	0
36.	SS	3	1	4	9	0
37.	SSD	4	3	0	0	7
38.	TA	3	1	0	0	0
39.	TBS	0	0	0	0	0
40.	TD	5	0	2	0	0
41.	TPP	5	0	0	0	0
42.	WMD	22	6	0	5	0
<b>TOTAL</b>		<b>955</b>	<b>310</b>	<b>99</b>	<b>290</b>	<b>27</b>

वैद्युतिक तकनीकी प्रयोगशाला  
ELECTRO - TECHNICAL LABORATORY

Unit - Nos.

Table No.25.5

SL.NO.	TYPES OF JOBS	PLANNED JOBS	FULFILLED JOBS		
			Planned	Unplanned	Total
1.	Drives (Iron & Steel Zone)	285	315	326	641
2.	** Drives Mills & Automation	360	354	266	620
3.	Relay Protection	420	669	68	737
4.	High Voltage	240	405	-	405
5.	Relay Lab	240	239	-	239
6.	Electronics Lab	900	1403	-	1403
7.	Instrumentation Lab	720	530	-	530
<b>TOTAL</b>		<b>3165</b>	<b>3915</b>	<b>660</b>	<b>4575</b>

\*\*Drives Mill section and Automation section of ETL have been merged into 1 section called 'Drives Mills & Automation'

	RMHP	CO & BPP	BF	SP	SMS-I	SMS-II	CCS	RMP	SM	HSM	HRCF	CRM	CRM-3	OTHERS	TOTAL
Planned Jobs	68	200	170	235	167	172	149	15	226	344	239	480	0	700	3165
Fulfilled Jobs - Planned	73	207	168	194	295	240	209	22	276	352	311	417	0	1151	3915
- Unplanned	30	46	53	45	39	54	36	4	59	44	40	86	0	124	660
<b>Total</b>	<b>103</b>	<b>253</b>	<b>221</b>	<b>239</b>	<b>334</b>	<b>294</b>	<b>245</b>	<b>26</b>	<b>335</b>	<b>396</b>	<b>351</b>	<b>503</b>	<b>0</b>	<b>1275</b>	<b>4575</b>



लुब्रिकेशन सेल  
LUBRICATION CELL

Table No.25.6

SL.NO.	DEPARTMENTS	CONSUMPTION OF LUBRICANTS		SL.NO.	DEPARTMENTS	CONSUMPTION OF LUBRICANTS	
		Oil (KL)	Grease (T)			Oil (KL)	Grease (T)
1.	C.O. & B.P.P.	70.20	8.25	14.	R.G.B.S.	84.18	55.23
2.	R.M. & M.H.P.	19.53	10.61	15.	O.G., C.B.R.S & CEZ	51.35	1.46
3.	S.P.	108.36	183.64	16.	TRAFFIC	98.49	7.12
4.	B.F.	114.45	44.22	17.	T B & T C	29.19	0.00
5.	S.M.S-I	19.74	13.56	18.	AUX.SHOPS & FDY	30.24	1.29
6.	S.M.S-II	70.40	18.93	19.	OTHERS	88.64	2.48
7.	C.C.S	94.50	54.42	<b>TOTAL</b>		<b>3259.55</b>	<b>631.37</b>
8.	R.M.P.	21.63	9.75	<b>CONSUMPTION OF PROCESS OIL</b>			
9.	SL.MILL	105.63	36.95		<b>DEPARTMENT</b>	<b>Oil (KI)</b>	<b>Grease (T)</b>
10.	H.S.M.	1362.96	163.80	20.	CRM 1&2	625.555	-
11.	H.R.C.F.	50.82	1.46	21.	CRM 3	653.184	-
12.	C.R.M.1&2	710.77	9.83	22.	HSM	103.95	-
13.	C.R.M.3	128.49	8.40	<b>TOTAL</b>		<b>1382.689</b>	<b>0</b>

अंयंत्र वेखाचित्रण  
PLANT DESIGN

Table No.25.7

PERIOD	DRAWING SECTION	DIGITISATION SECTION	DOCUMENT SECTION	REPRODUCIBLE SECTION	PRINTING SECTION
	Drawings / Sketches made (Nos.)	Drawings Digitised/Scanned (Nos.)	Receipt of Drawings and Documents from various sources(Nos)	Reproducibles generated (Nos.) ; CDs	Prints prepared (Nos.)
APR'19	20	1200	450	3	724
MAY	15	1212	345	4	583
JUN.	15	1152	384	5	740
JUL.	30	1553	574	6	682
AUG.	25	1517	434	8	719
SEP.	12	900	303	7	645
OCT.	28	918	104	8	445
NOV.	28	1480	218	5	741
DEC.	8	1523	112	10	441
JAN'20	18	1575	201	4	522
FEB.	17	1206	195	3	317
MAR.	10	623	90	4	230
<b>2019-20</b>	<b>226</b>	<b>14859</b>	<b>3410</b>	<b>67</b>	<b>6789</b>
2018-19	271	18252	4214	67	7179
2017-18	451	15021	4161	40	4791
2016-17	466	15114	4078	51	5031
2015-16	419	15896	4398	145	5297

**संरचनात्मक निरीक्षण एवं भूगणितीय पर्यवेक्षण**  
**STRUCTURAL INSPECTION AND GEODETIC SURVEY**

Unit : Nos.

Table No.25.8

PERIOD	Schedule Survey Jobs	Un-Schedule Survey Jobs	Schedule Inspection Jobs(Units)	Un-Schedule Inspection Jobs	Drawings/ Sketches
APR'19	20	13	144	20	5
MAY	16	19	264	20	8
JUN.	25	10	247	15	8
JUL.	18	10	193	20	13
AUG.	18	10	202	20	10
SEP.	10	21	218	20	8
OCT.	30	5	232	18	11
NOV.	20	5	342	18	5
DEC.	20	10	207	18	10
JAN'20	13	13	278	12	13
FEB.	27	17	262	14	14
MAR.	22	8	200	18	10
<b>2019-20</b>	<b>239</b>	<b>141</b>	<b>2789</b>	<b>213</b>	<b>115</b>
2018-19	275	167	2744	350	97
2017-18	196	172	2774	428	106
2016-17	223	326	2737	335	95
2015-16	230	249	2748	351	79

विद्युत सहायक मरम्मत शाला  
POWER FACILITIES REPAIR SHOP

Table No.25.9

PERIOD	Unit - Kg					Total Wt. in Kg.
	Machining Items	Fabrication Items	Pipe bending & Loop making	H.P.Valves Reclamation	Balancing of Motor Rotor,Fan, Exh. Rotor etc.	
APR'19	32295	0	1272	0	48400	81967
MAY	10552	10000	5625	0	99300	125477
JUN.	17275	2250	1700	0	80200	101425
JUL.	4522	15000	180	0	31038	50740
AUG.	8659	12250	320	0	102500	123729
SEP.	10389	15064	250	0	45100	70803
OCT.	26715	12932	340	0	73800	113787
NOV.	6456	8402	0	0	9500	24358
DEC.	10712	0	1350	0	32000	44062
JAN'20	5206	250	180	0	67000	72636
FEB.	10091	10500	790	0	111250	132631
MAR.	310	10000	0	0	36750	47060
<b>2019-20</b>	<b>143182</b>	<b>96648</b>	<b>12007</b>	<b>0</b>	<b>736838</b>	<b>988675</b>
2018-19	166459	58319	8884	0	647450	881112
2017-18	182420	114812	16353	0	534200	847785
2016-17	250768	166251	9583	0	669100	1095702
2015-16	292547	188460	34740	2300	580050	1098097

**MANPOWER**

**सारांश**  
**SUMMARY**

**MAN POWER**

Unit - No.

Table No. 26.1

1	TOTAL MANPOWER	Position as on 31.03.2020		
	Category	Executive	Non-Executive	Total
	Regular	1887	9568	11455
	Trainees	30	164	194
	Casual	0	8	8
	<b>Total</b>	<b>1917</b>	<b>9740</b>	<b>0</b>
			<b>11657</b>	

2	DIVISIONWISE MANPOWER	Position as on 31.03.2020				
	Name of Division	Executive	Non-Executive	Casual	Trainees	Total
	(A) Works Division	1364	8225	7	129	9725
	(B) Non Works Division	502	1318	1	35	1856
	(C) Projects Division	51	25	0	0	76
	<b>Total</b>	<b>1917</b>	<b>9568</b>	<b>8</b>	<b>164</b>	<b>11657</b>

श्रेणीवार जनशक्ति  
GRADEWISE MANPOWER

## EXECUTIVE

Table No. 26.2(Contd.)

Scale of Pay(Rs.)	Strength as on 31 <sup>st</sup> March 2020 (Nos.)					Total
	Works	Admn.	Township	Medical	Project	
12600-3%-32500(E0)	104	12	7	5	2	130
20600-3%-46500(E1)	46	2	0	8	0	56
24900-3%-50500(E2)	305	42	8	4	0	359
32900-3%-58000(E3)	293	64	14	25	2	398
36600-3%-62000(E4)	179	31	3	27	28	268
43200-3%-66000(E5)	49	29	4	16	3	101
51300-3%-73000(E6)	104	55	6	40	1	206
51300-3%-73000(E7)	258	53	7	30	7	355
51300-3%-73000(E8)	24	4	1	1	7	37
62000-3%-80000(E9)	2	3	0	1	1	7
75000-100000 (CEO)	0	0	0	0	0	0
<b>Total</b>	<b>1364</b>	<b>295</b>	<b>50</b>	<b>157</b>	<b>51</b>	<b>1917</b>

**श्रेणीवार जनशक्ति  
GRADEWISE MANPOWER**

**NON-EXECUTIVE**

Table No. 26.2

Scale of Pay(Rs.)	Strength as on 31st March 2020 (Nos.)					
	Works	Admn.	Township	Medical	Project	Total
15830-3%-22150 (S1)	328	35	5	6	1	375
16300-3%-23200 (S2)	485	35	10	15	3	548
16800-3%-24110 (S3)	1020	57	24	47	0	1148
17100-3%-25540 (S4)	1167	49	14	84	1	1315
17300 -3%-27540 (S5)	663	11	5	19	2	700
17500 -3%-30070 (S6)	673	50	17	20	1	761
17600 -3%-31230 (S7)	652	114	74	57	12	909
17700 -3%-32420 (S8)	666	40	25	49	1	781
17800 -3%-35480 (S9)	1273	38	40	15	3	1369
17900 -3%- 42030 (S10)	851	20	8	26	1	906
18000 -3%-43950 (S11)	447	50	137	122	0	756
Other Trainees	129	25	4	6	0	164
Casual	7	1	0	0	0	8
<b>Total</b>	<b>8361</b>	<b>525</b>	<b>363</b>	<b>466</b>	<b>25</b>	<b>9740</b>



विभागवार जनशक्ति  
DEPARTMENTWISE MANPOWER

Table No. 26.3 (Contd.)

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)						Total Non-Exec.	Grand Total
		Man-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual	Trainees		
<b>(A) WORKS DIVISION</b>									
1.	CO&BPP	39	62	101	730	3	8	741	842
2.	RM&MHP	7	13	20	227	0	3	230	250
3.	SINTER PLANT	16	28	44	294	0	3	297	341
4.	BLAST FURNACE	32	67	99	613	0	9	622	721
5.	SGP	0	0	0	25	0	0	25	25
6.	RMP	5	19	24	93	0	0	93	117
7.	RED	4	9	13	93	0	1	94	107
8.	REF PLNG CELL	3	3	6	10	0	0	10	16
9.	SMS-I	24	33	57	349	1	8	358	415
10.	SSD	3	4	7	53	0	0	53	60
11.	SMS-II & CCS	61	76	137	864	1	18	883	1020
12.	SLABBING MILL	6	10	16	180	0	0	180	196
13.	HSM	33	59	92	325	0	5	330	422
14.	HRCF	7	23	30	259	0	1	260	290
15.	CRM	31	64	95	890	0	3	893	988
16.	CRM III	13	58	71	368	0	15	383	454
17.	RGBS	2	20	22	241	0	2	243	265
18.	SERVICES	1	0	1	0	0	0	0	1

**विभागात्तर जनशक्ति**  
**DEPARTMENTWISE MANPOWER**



Table No. 26.3 (Contd.)

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)						Total Non-Exec.	Grand Total
		Man-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual	Trainees		
19.	RAW MATERIAL	1	3	4	5	0	0	5	9
20.	TRAFFIC	11	23	34	533	0	4	537	571
21.	EMD	8	18	26	99	0	1	100	126
22.	ECD	1	6	7	15	0	0	15	22
23.	PPC & SC	7	18	25	24	0	1	25	50
24.	CONTRACT CELL	7	3	10	8	0	0	8	18
25.	COST CONTROL	1	2	3	3	0	1	4	7
26.	R&C LAB	7	28	35	93	0	0	93	128
27.	SAFETY & FIRE	2	0	2	0	0	0	0	2
28.	SAFETY	2	14	16	7	0	0	7	23
29.	FIRE SERVICES	1	2	3	32	0	0	32	35
30.	M & U	0	0	0	0	0	0	0	0
31.	HM(MECH)	4	11	15	61	1	0	62	77
32.	CR(MECH)	2	6	8	33	0	0	33	41
33.	GEN MAINT(MECH)	2	6	8	78	0	0	78	86
34.	CNTRL TECH SERV	1	12	13	24	0	0	24	37
35.	MTB	0	1	1	0	0	0	0	1
36.	R & R	0	0	0	0	0	0	0	0

**विभागात्तर जनशक्ति**  
**DEPARTMENTWISE MANPOWER**

Table No. 26.3 (Contd.)

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)							Total Non-Exec.	Grand Total
		Man-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual	Trainees			
37.	CED	3	5	8	105	0	0	105	113	
38.	SIGS	0	2	2	4	0	0	4	6	
39.	OG & CBRS	2	10	12	317	0	1	318	330	
40.	ELECT MAIN	1	0	1	0	0	0	0	1	
41.	HM(ELECT)	2	7	9	39	0	0	39	48	
42.	CR(ELECT)	1	1	2	19	0	3	22	24	
43.	ETL	10	9	19	34	0	1	35	54	
44.	ELECTN&TELECOM	5	10	15	44	0	4	48	63	
45.	ERS	2	4	6	47	0	0	47	53	
46.	COMP&AUTO	10	8	18	12	0	0	12	30	
47.	DNW	10	17	27	107	0	5	112	139	
48.	I & A	13	28	41	93	0	2	95	136	
49.	POWER FAC	2	0	2	0	0	0	0	2	
50.	TBS	3	10	13	44	0	2	46	59	
51.	PEB	2	6	8	31	0	0	31	39	
52.	PFRS	0	0	0	2	0	0	2	2	
53.	UTILITIES	1	0	1	1	0	2	3	4	
54.	GAS UTILITY	6	13	19	85	0	0	85	104	

**विभागवार जनशक्ति**  
**DEPARTMENTWISE MANPOWER**

Table No. 26.3 (Contd.)

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)						Total Non-Exec.	Grand Total
		Mana-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual	Trainees		
55.	WATER MGT	5	16	21	127	0	0	127	148
56.	ACVS	2	10	12	91	0	0	91	103
57.	SHOPS&FDY	1	2	3	0	0	3	3	6
58.	MACHINE SHOP	1	4	5	102	0	1	103	108
59.	FORGE SHOP	1	1	2	24	0	0	24	26
60.	PATTERN SHOP	0	0	0	0	0	0	0	0
61.	STRUCTURAL SHOP	2	3	5	70	0	0	70	75
62.	SHOP MAINT	0	2	2	1	0	0	1	3
63.	PPS	0	3	3	12	0	0	12	15
64.	I & CF	1	7	8	92	0	1	93	101
65.	IMF	1	6	7	59	0	0	59	66
66.	STEEL FOUNDRY	0	0	0	0	0	0	0	0
67.	SPC	2	6	8	7	0	0	7	15
68.	WORKS ADMN	0	8	8	27	0	1	28	36
69.	WORKS	2	30	32	0	1	20	21	53
<b>SUB-TOTAL(WORKS)</b>		<b>435</b>	<b>929</b>	<b>1364</b>	<b>8225</b>	<b>7</b>	<b>129</b>	<b>8361</b>	<b>9725</b>

**विभागवार जनशक्ति**  
**DEPARTMENTWISE MANPOWER**

Table No. 26.3 (Contd.)

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)					Total Non-Exec.	Grand Total
		Man-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual		
<b>(B) NON WORKS DIVISION</b>								
1.	CEO'S SECTT	4	2	6	10	0	1	17
2.	P & A	1	0	1	0	0	0	1
3.	PERSONNEL	23	33	56	99	0	6	161
4.	CSR	1	2	3	9	0	0	12
5.	EDUCATION	1	6	7	172	0	1	180
6.	L&A	3	8	11	64	0	1	76
7.	S & CA	0	1	1	20	0	1	22
8.	TOWN ADMN	18	26	44	187	0	3	234
9.	SECURITY	0	0	0	6	0	1	7
10.	HRD	6	8	14	39	1	2	56
11.	LAW	2	2	4	12	0	1	17
12.	MATERIALS	4	3	7	2	0	0	9
13.	PURCHASE	13	13	26	12	0	0	38
14.	STORES	4	11	15	65	0	0	80
15.	S&T	0	1	1	1	0	0	2
16.	I&P	4	4	8	7	0	0	15
17.	MM-MARKETING	3	3	6	6	0	1	13
18.	KOLKATA OFFICE	2	1	3	6	0	0	9
19.	DELHI OFFICE	0	1	1	1	0	0	2
20.	MUMBAI OFFICE	0	0	0	0	0	0	0
21.	CHENNAI OFFICE	0	0	0	0	0	0	0
22.	RANCHI OFFICE	0	0	0	3	0	0	3
23.	M & HS	88	69	157	460	0	6	623

**विभागात्तर जनशक्ति**  
**DEPARTMENTWISE MANPOWER**

Table No. 26.3

SI No.	Name of Department	Strength as on 31st March 2020 (Nos.)						Total Non-Exec.	Grand Total
		Man-gerial	Super-Visory	Total Exec.	Non-Exec.	Casual	Trainees		
24.	F&A	30	30	60	70	0	8	78	138
25.	BUSINESS EXCELL	2	2	4	4	0	0	4	8
26.	GENERAL GROUP	0	0	0	4	0	0	4	4
27.	IED	4	3	7	1	0	0	1	8
28.	O&M/INTELLIGENCE	0	1	1	3	0	0	3	4
29.	CONTRA CELL(NW)	2	2	4	6	0	0	6	10
30.	C&IT	20	15	35	25	0	2	27	62
31.	AVIATION	0	2	2	3	0	0	3	5
32.	VIGILANCE	6	2	8	10	0	0	10	18
33.	PUBLIC RELATION	3	0	3	10	0	1	11	14
34.	INTERNAL AUDIT	6	1	7	1	0	0	1	8
<b>SUB-TOTAL(NON WORKS)</b>		<b>250</b>	<b>252</b>	<b>502</b>	<b>1318</b>	<b>1</b>	<b>35</b>	<b>1354</b>	<b>1856</b>
<b>(C) PROJECTS DIVISION</b>									
1.	PROJECTS	17	22	39	22	0	0	22	61
2.	PROJECTS-MECH	0	1	1	1	0	0	1	2
3.	PROJECTS-ELECT	0	1	1	0	0	0	0	1
4.	PROJECTS-CIVIL	0	1	1	1	0	0	1	2
5.	PROJ-EQPT PLNG	0	1	1	0	0	0	0	1
6.	PROJECTS-MODRN	0	4	4	1	0	0	1	5
7.	SPU	1	0	1	0	0	0	0	1
8.	PROJECTS-T&C	0	2	2	0	0	0	0	2
9.	PROJECTS-COMMER	1	0	1	0	0	0	0	1
<b>SUB-TOTAL(PROJECTS)</b>		<b>19</b>	<b>32</b>	<b>51</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>76</b>
<b>GRAND TOTAL(A+B+C)</b>		<b>704</b>	<b>1213</b>	<b>1917</b>	<b>9568</b>	<b>8</b>	<b>164</b>	<b>9740</b>	<b>11657</b>

**HUMAN RESOURCE DEVELOPMENT**

प्रशिक्षण गतिविधियाँ  
TRAINING ACTIVITIES



Table No. 27.1

H.R.D.									
Sl. No.	Category of Training	No. of Participants			Sl. No.	Category of Training	No. of Participants		
		Exe.	Non Exe.	Total			Exe.	Non Exe.	Total
1	FRESH ENTRANTS	29	51	80	3	SPECIFIC AREAS			
2	COMPETENCE ENHANCEMENT					A) Safety			
	A) Technical					i) Centralised	178	1196	1374
	i) Enhancing Engineering Skills	0	92	92		ii) Shop based	70	1416	1486
	ii) Hydraulic,PLC & Electronic Lab.	1	107	108		B) Industrial Health, Energy Conservation, Environment and Pollution Control			
	iii) PC Skills	120	204	324		i) Centralised	83	44	127
	iv) Critical Skill Training	0	36	36		ii) Shop	0	0	0
	v) Technical Training - Centralised (PTC Based)	16	215	231		C) Quality & System Improvement			
	vi) Technical Training - Shop Based	54	776	830		i) Centralised	6	16	22
	viii) Technical Development - MOU Based	100	106	206		ii) Shop	0	0	0
	- Non MOU/Others	4	14	18		D) Cost Control/Reduction			
	ix) Multiskill Training	0	188	188		i) Centralised	2	117	119
	x) External Training					ii) Shop			0
	a) MTI	29	0	29		E) PIW - Centralised	12	18	30
	b) RDCIS/CET	0	0	0		- Shop based	29	97	126
	c) CPTI	8	20	28					
	d) Non SAIL	57	0	57	4	Specific Areas (Total)	381	3067	3448
	e) Foreign Training	4	0	4		OTHERS			
	B) Managerial Training					i) Trade Apprentices			0
	i) Management Development Programmes	515	288	803		ii) Employee of External Organisations			0
	ii) Awareness Programmes	60	69	129		Total Others	0	0	0
	iii) External Training								
	a) MTI	288	0	288					
	b) CPTI	0	0	0					
	c) SSO	0	0	0					
	d) Non SAIL	80	0	80					
	e) Foreign Training	0	0	0					
<b>Competency Enhancement( Total)</b>		<b>1336</b>	<b>2115</b>	<b>3451</b>	<b>Grand Total</b>		<b>1746</b>	<b>5233</b>	<b>6979</b>





## सांख्यिक SUMMARY

**SAFETY ENGINEERING DEPTT.**

Unit: Nos

Table No.28.1

SL. NO.	PARTICULARS	2019-20	2018-19	2017-18	2016-17	2015-16	
1.	Fatal Accident	2	Nil	1	2	1	$\text{Frequency Rate} = \frac{\text{No. of Reportable Accidents} \times 10^6}{\text{Man-hours worked}}$ $\text{Severity Rate} = \frac{\text{No. of Man-Days Lost} \times 10^6}{\text{Man-hours worked}}$
2.	Non-Fatal Accident	1	2	3	2	8	
3.	Man-Days Lost in Accident	12029	87	6293	12159	6854	
4.	Man-Hours Lost in Accident	96232	696	50344	97272	54832	
5.	Accident Rate Per 1000 Person	0.14	0.09	0.17	0.17	0.38	
6.	Frequency Rate	0.06	0.04	0.07	0.07	0.16	
7.	Severity Rate	227.23	1.59	111.4	219.16	119.91	

विभागवार दुर्घटना  
DEPARTMENTWISE ACCIDENT

SAFETY ENGINEERING DEPTT.

Unit : Nos.

Table No.28.2

SL.NO.	DEPARTMENT	Fatal	Reportable	SL.NO.	DEPARTMENT	Fatal	Reportable
1.	PROJECT	-	-	22.	S.G.P.	-	-
2.	STORES	-	-	23.	G.U.	-	-
3.	RMHP	-	1	24.	G.M.(M)	-	-
4.	S.P.	-	-	25.	H.M.(M)	-	-
4.	CO & BPP	-	-	26.	C.R.(M)	-	-
5.	B.F.	-	-	27.	WMD	-	-
6.	S.M.S-I	-	-	28.	R & C Lab.	-	-
7.	S.M.S-II	-	-	29.	H.M.(E)	-	-
8.	C.C.S.	-	-	30.	C.R.(E)	-	-
9.	SL.MILL	-	-	31.	E.R.S	-	-
10.	H.S.M.	-	-	32.	E.M.D.	-	-
11.	H.R.C.F.	1	-	33.	I.M.F	-	-
12.	C.R.M.	-	-	34.	M/C Shop	-	-
13.	C.R.M. III	-	-	35.	Forge Shop	-	-
14.	D.N.W.	-	-	36.	Structural Shop	-	-
15.	S.S.D	-	-	37.	P.F.R.S.	-	-
16.	E.T.B.	-	-	38.	O.G.& CBRS	1	-
17.	P.E.B.	-	-	39.	Projects	-	-
18.	T.B.S.	-	-	40.	A.C.V.S.	-	-
19.	R.M.P.	-	-	41.	C.E.D.	-	-
20.	TRAFFIC	-	-	42.	Others/Medical	-	-
21.	R.E.D.	-	-				
				<b>Total</b>			
						<b>2</b>	<b>1</b>

## किस्म के अनुसार दुर्घटना ACCIDENTS ACCORDING TO TYPE

SAFETY ENGINEERING DEPTT.

UNIT : Nos.

Table No.28.3

PERIOD	Fall of Person		Fall of Object	Stepping on, against object/ struck by object excluding falling object	Caught between objects	Over or wrong movement	Exposure or contact with extreme temperature	Exposure or contact with electric current	Exposure or contact with harmful substance including radiation	Explosion		Others	Total
	Same Level	Diff. Level								Gas	Others		
ISI Code	C-10		C-11	C-12	C-13	C-14	C-15	C-16	C-17	C-18		C-19	C-20
APR'19	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0	0	0	0	0
JUN.	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>1ST QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL.	0	0	0	1	0	0	0	0	0	0	0	0	1
AUG.	0	0	0	0	0	0	0	0	0	0	0	0	0
SEP.	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2ND QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
OCT.	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV.	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC.	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
JAN'20	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB.	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR.	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>4TH QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
2018-19	0	0	0	0	0	0	0	0	2	0	0	0	2
2017-18	0	1	0	0	3	0	0	0	0	0	0	0	4
2016-17	0	2	0	0	3	0	0	0	0	0	0	0	5
2015-16	0	0	2	3	1	0	1	1	0	0	0	1	9
2014-15	0	1	0	5	1	0	0	0	0	0	0	0	7

अभिकारकों के अनुसार दुर्घटना  
ACCIDENTS ACCORDING TO AGENCY

SAFETY ENGINEERING DEPTT.

UNIT : Nos.

Table No.28.4

ISI Code	Machines					Means of transportation and moving equipment			Other equipment					Materials,Substances and Radiation			Working Environment		C-26	Total	
	C-20					C-21			C-22					C-23			C-24	C-25			
PERIOD	Prime movers except Elect. Motors	Transmission machinery	Metal Working machine	Wood & associated m/c.	Other machine not elsewhere specified	Lifting m/c and appliances	Means of Rail transportation	Other wheeled means of transport	Pressure Vessel	Furnace ovens & kilns	Elect.installations excl. elect.hand tools	Power driven hand tools except elect.hand tools	Ladders & scaffoldings	Explosives	Dust,Gasses & chem.	Flying object other than due to explosion	Fire	Floor,Stair,Floor Openings,Environmental factors	Animal	Others	
APR'19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUN.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>1ST QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
JUL.	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
AUG.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEP.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2ND QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
OCT.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>3RD QTR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
JAN'20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR.	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>4TH QTR</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>2019-20</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
2018-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
2017-18	1	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
2016-17	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4
2015-16	0	0	0	1	0	3	0	3	0	1	1	0	0	0	0	0	0	0	0	0	9



## नये रोल्ल की प्राप्ति NEW ROLLS RECEIVED



Table No. 29.1

PERIOD	Unit - Nos.																		TOTAL
	SMHR	SMVR	E2	RR2	RWR	EDGER	HSM B/UP	FWR	CRM I		CRM II		PLTCM			SPM III			
									W/R	B/UP	W/R	B/UP	W/R	IMR	B/UP	W/R	B/UP		
APR.'19	0	0	0	0	2	0	0	12	6	2	10	0	18	0	0	0	0	50	
MAY	0	0	1	0	4	3	0	17	6	0	0	0	12	0	0	11	0	54	
JUN	0	0	0	0	0	0	0	16	6	0	5	2	12	0	0	5	0	46	
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>45</b>	<b>18</b>	<b>2</b>	<b>15</b>	<b>2</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>150</b>	
JUL.	0	0	0	0	4	0	0	8	6	0	4	0	0	0	0	0	0	22	
AUG.	0	0	0	0	0	0	0	20	6	0	0	0	24	0	0	0	0	50	
SEP.	0	0	0	0	4	2	4	14	6	2	8	2	10	0	4	0	0	56	
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>42</b>	<b>18</b>	<b>2</b>	<b>12</b>	<b>2</b>	<b>34</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>128</b>	
OCT.	1	0	0	2	4	0	0	8	6	0	0	0	0	0	0	4	0	25	
NOV.	0	0	0	0	2	1	0	19	6	0	0	0	14	0	0	0	0	42	
DEC.	0	0	0	0	0	0	2	16	6	1	0	0	0	0	0	0	0	25	
<b>3RD QTR.</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>43</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>92</b>	
JAN.'20	0	0	0	0	4	2	0	22	6	0	0	0	0	0	0	0	0	34	
FEB.	0	1	0	0	4	0	2	15	6	0	6	0	0	15	0	0	0	49	
MAR.	0	0	0	0	2	0	0	16	0	0	0	0	0	0	0	0	0	18	
<b>4TH QTR.</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>53</b>	<b>12</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>101</b>	
<b>2019-20</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>30</b>	<b>8</b>	<b>8</b>	<b>183</b>	<b>66</b>	<b>5</b>	<b>33</b>	<b>4</b>	<b>90</b>	<b>15</b>	<b>4</b>	<b>20</b>	<b>0</b>	<b>471</b>	
2018-19	3	1	0	0	28	3	6	191	83	0	46	2	18	20	0	4	0	405	
2017-18	4	2	2	6	11	0	21	165	71	1	92	6	4	0	2	4	0	391	
2016-17	4	0	3	0	14	2	12	170	92	6	78	3	31	37	2	8	2	464	
2015-16	0	1	2	0	25	4	8	125	44	2	46	4	4	4	0	4	0	273	

रोल का वितरण  
ROLLS DISTRIBUTION

Table No. 29.2

PERIOD	Unit - Nos.																	TOTAL
	SMHR	SMVR	E2	RR2	RWR	EDGER	HSM B/UP	FWR	CRM I		CRM II		PLTCM			SPM III		
									W/R	B/UP	W/R	B/UP	W/R	IMR	B/UP	W/R	B/UP	
APR.'19	1	0	0	6	22	0	19	1196	162	6	279	5	138	42	2	44	2	1924
MAY	0	1	0	8	24	2	20	1322	178	4	218	6	216	70	8	54	0	2131
JUN	0	0	2	4	26	0	25	1288	154	5	207	5	196	78	6	64	0	2060
<b>1ST QTR.</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>18</b>	<b>72</b>	<b>2</b>	<b>64</b>	<b>3806</b>	<b>494</b>	<b>15</b>	<b>704</b>	<b>16</b>	<b>550</b>	<b>190</b>	<b>16</b>	<b>162</b>	<b>2</b>	<b>6115</b>
JUL.	0	0	0	6	22	2	19	1310	167	3	148	8	234	76	4	74	2	2075
AUG.	0	0	0	6	28	0	22	1212	148	9	200	3	264	92	10	72	2	2068
SEP.	2	0	2	4	16	0	14	894	129	2	181	0	203	82	6	66	4	1605
<b>2ND QTR.</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>16</b>	<b>66</b>	<b>2</b>	<b>55</b>	<b>3416</b>	<b>444</b>	<b>14</b>	<b>529</b>	<b>11</b>	<b>701</b>	<b>250</b>	<b>20</b>	<b>212</b>	<b>8</b>	<b>5748</b>
OCT.	0	0	0	6	24	4	21	1196	123	2	194	9	188	74	4	60	2	1907
NOV.	0	0	0	6	20	2	18	1282	176	2	152	5	252	98	8	62	2	2085
DEC.	0	0	2	6	26	0	20	1294	156	5	46	2	252	98	12	74	2	1995
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>18</b>	<b>70</b>	<b>6</b>	<b>59</b>	<b>3772</b>	<b>455</b>	<b>9</b>	<b>392</b>	<b>16</b>	<b>692</b>	<b>270</b>	<b>24</b>	<b>196</b>	<b>6</b>	<b>5987</b>
JAN.'20	0	0	0	6	20	0	20	1282	160	4	46	0	248	94	10	86	2	1978
FEB.	0	0	0	6	24	2	16	1314	160	2	44	0	258	98	0	70	2	1996
MAR.	0	0	2	6	22	0	17	1284	128	4	44	0	278	110	12	56	0	1963
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>18</b>	<b>66</b>	<b>2</b>	<b>53</b>	<b>3880</b>	<b>448</b>	<b>10</b>	<b>134</b>	<b>0</b>	<b>784</b>	<b>302</b>	<b>22</b>	<b>212</b>	<b>4</b>	<b>5937</b>
<b>2019-20</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>70</b>	<b>274</b>	<b>12</b>	<b>231</b>	<b>14874</b>	<b>1841</b>	<b>48</b>	<b>1759</b>	<b>43</b>	<b>2727</b>	<b>1012</b>	<b>82</b>	<b>782</b>	<b>20</b>	<b>23787</b>
2018-19	4	2	8	78	284	14	249	14990	2152	44	3224	63	1896	655	60	618	15	24356
2017-18	9	8	10	76	273	22	245	14044	1888	47	3124	60	1914	609	42	722	20	23113
2016-17	5	4	10	76	216	20	258	13096	1811	40	2401	51	1305	378	25	596	6	20298
2015-16	5	4	4	50	188	12	197	9680	1253	27	1717	32	413	111	10	196	2	13901



रोल्ल अकेड  
ROLLS SCRAPPED

RGBS

Unit - Nos.

Table No. 29.3

PERIOD	SMHR	SMVR	E2	RR2	RWR	EDGER	HSM B/UP	FWR	CRM I		CRM II		PLTCM			SPM III		TOTAL
									W/R	B/UP	W/R	B/UP	W/R	IMR	B/UP	W/R	B/UP	
APR.'19	0	0	0	0	1	0	1	22	0	0	3	0	35	0	0	0	0	62
MAY	0	0	0	0	0	0	0	5	5	0	3	0	3	0	0	0	0	16
JUN	0	0	0	0	0	0	0	3	11	1	8	2	0	0	0	0	0	25
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>16</b>	<b>1</b>	<b>14</b>	<b>2</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>103</b>
JUL.	0	0	0	0	4	0	5	27	3	0	9	0	0	0	0	0	0	48
AUG.	0	0	0	0	0	0	0	7	6	0	2	1	0	0	0	0	0	16
SEP.	0	0	0	0	0	0	0	18	0	0	5	0	20	0	0	0	0	43
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>52</b>	<b>9</b>	<b>0</b>	<b>16</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>107</b>
OCT.	0	0	0	2	2	0	2	17	4	0	9	0	15	4	0	1	0	56
NOV.	0	0	0	0	1	0	1	15	7	0	2	0	1	1	0	0	0	28
DEC.	0	0	0	0	0	0	0	2	5	0	2	0	0	0	0	0	0	9
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>34</b>	<b>16</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>16</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>93</b>
JAN.'20	0	0	0	0	0	0	0	3	5	0	0	0	0	0	0	0	0	8
FEB.	0	0	3	0	2	0	0	30	3	0	0	0	1	0	0	0	0	39
MAR.	2	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	10
<b>4TH QTR.</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>33</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>
<b>2019-20</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>10</b>	<b>8</b>	<b>9</b>	<b>149</b>	<b>49</b>	<b>1</b>	<b>43</b>	<b>3</b>	<b>75</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>360</b>
2018-19	0	1	0	1	19	0	15	204	63	2	41	6	10	0	1	7	0	370
2017-18	5	6	0	1	26	0	8	193	81	3	72	5	5	4	0	0	0	409
2016-17	6	0	0	0	6	0	5	191	99	1	67	9	9	4	0	0	0	397
2015-16	0	0	0	0	35	4	1	82	59	12	102	14	0	0	0	0	0	309

## रोल की खपत

## ROLL CONSUMPTION AND TEXTURING(EDT) OF ROLLS

RGSB

Table No. 29.4

PERIOD	ROLL CONSUMPTION (Kg/T)				TEXTURING OF ROLLS (Nos.)			
	SLABBING MILL	HSM	CRM(I & II)	CRM III	CRM I	CRM II	CRM III	TOTAL
APR.'19	0.00	1.28	0.46	0.95	90	81	74	245
MAY	0.00	1.18	0.62	0.39	93	81	108	282
JUN	0.00	1.15	1.20	0.36	85	65	102	252
<b>1ST QTR.</b>	<b>0.00</b>	<b>1.20</b>	<b>0.75</b>	<b>0.56</b>	<b>268</b>	<b>227</b>	<b>284</b>	<b>779</b>
JUL.	0.17	1.08	0.80	0.28	104	55	128	287
AUG.	0.00	1.05	0.94	0.39	82	77	148	307
SEP.	0.00	0.95	0.74	1.04	75	68	81	224
<b>2ND QTR.</b>	<b>0.07</b>	<b>1.03</b>	<b>0.83</b>	<b>0.58</b>	<b>261</b>	<b>200</b>	<b>357</b>	<b>818</b>
OCT.	0.00	0.90	0.70	0.45	80	58	76	214
NOV.	0.00	0.80	0.70	0.41	98	81	87	266
DEC.	0.00	0.85	0.83	0.29	107	58	110	275
<b>3RD QTR.</b>	<b>0.00</b>	<b>0.84</b>	<b>0.73</b>	<b>0.38</b>	<b>285</b>	<b>197</b>	<b>273</b>	<b>755</b>
JAN.'20	0.00	0.81	0.64	0.25	97	57	134	288
FEB.	0.00	0.70	0.39	0.23	96	35	113	244
MAR.	1.18	0.70	0.34	0.33	66	57	65	188
<b>4TH QTR.</b>	<b>0.44</b>	<b>0.74</b>	<b>0.45</b>	<b>0.27</b>	<b>259</b>	<b>149</b>	<b>312</b>	<b>720</b>
<b>2019-20</b>	<b>0.12</b>	<b>0.95</b>	<b>0.70</b>	<b>0.44</b>	<b>1073</b>	<b>773</b>	<b>1226</b>	<b>3072</b>
2018-19	0.03	0.92	0.64	0.34	1314	1412	1130	3856
2017-18	0.30	1.00	0.86	0.34	1118	1419	1000	3537
2016-17	0.51	0.95	1.15	0.43	1187	963	904	3054
2015-16	0.16	0.96	1.63	-	765	443	0	1208

नये बियरिंग्स की प्राप्ति  
NEW BEARINGS RECEIVED

RGBS

Unit - Nos.

Table No. 29.5

PERIOD	SL.MILL RADIAL	RWR	EDGER	B/UP SLEEVE	B/UP BUSH	B/UP THRUST	FWR RADIAL	FWR THRUST	CRM I W/R	CRM II W/R	CRM II B/UP BUSH	CRM II B/UP SLEEVE	PLTCM W/R	PLTCM IMR	PLTCM B/UP	SPM W/R	SPM B/UP	TOTAL
APR.'19	0	0	0	0	0	0	11	13	10	10	0	0	0	0	0	0	0	44
MAY	0	0	0	0	0	0	6	10	0	20	0	0	0	0	9	0	0	45
JUN	0	6	0	0	0	0	8	5	0	15	0	0	0	0	0	0	0	34
<b>1ST QTR.</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>28</b>	<b>10</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>123</b>
JUL.	0	0	0	0	0	0	4	2	6	5	0	0	0	0	0	0	0	17
AUG.	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	6
SEP.	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>
OCT.	0	0	0	7	7	0	0	0	0	0	0	0	0	0	8	0	0	22
NOV.	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
DEC.	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>46</b>
JAN.'20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB.	0	0	0	4	4	0	0	0	0	6	0	0	0	0	0	0	0	14
MAR.	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>
<b>2019-20</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>30</b>	<b>35</b>	<b>30</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>226</b>
2018-19	0	0	0	10	10	0	0	15	29	87	0	0	4	0	2	2	0	159
2017-18	2	8	11	2	0	4	9	0	19	121	8	12	6	20	7	7	0	236
2016-17	1	2	0	6	0	0	20	15	43	159	4	0	0	0	0	0	0	250
2015-16	2	10	9	6	11	2	20	14	12	146	3	3	0	0	0	0	0	238

## ਭੀਯਰਿੰਗਜ਼ ਸਕਰੇਪਡ BEARINGS SCRAPPED

RGSB

Unit - Nos.

Table No. 29.6

PERIOD	SL.MILL RADIAL	SL. MILL THRUST	E2	RR2	RWR	EDGER	B/UP SLEEVE	B/UP BUSH	B/UP THRUST	FWR RADIAL	FWR THRUST	CRM I W/R	CRM II W/R	CRM II B/UP BUSH	CRM II B/UP SLEEVE	TOTAL
APR.'19	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	8
MAY	0	0	0	0	0	0	0	0	0	0	0	1	2	16	15	34
JUN	0	0	0	0	0	0	0	0	0	6	7	0	10	0	0	23
<b>1ST QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>4</b>	<b>17</b>	<b>16</b>	<b>15</b>	<b>65</b>
JUL.	0	0	0	0	0	0	0	0	0	37	18	6	1	5	4	71
AUG.	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
SEP.	0	0	0	0	0	0	0	0	0	0	0	3	5	0	0	8
<b>2ND QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>18</b>	<b>9</b>	<b>10</b>	<b>5</b>	<b>4</b>	<b>83</b>
OCT.	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5
NOV.	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	8
DEC.	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
<b>3RD QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>15</b>
JAN.'20	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
FEB.	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
MAR.	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
<b>4TH QTR.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>9</b>
<b>2019-20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>25</b>	<b>22</b>	<b>42</b>	<b>21</b>	<b>19</b>	<b>172</b>
2018-19	0	0	0	0	0	0	0	0	0	13	9	22	95	0	0	139
2017-18	0	0	0	0	1	3	7	4	0	16	21	23	118	0	0	193
2016-17	1	0	0	0	6	0	1	2	0	18	13	26	122	0	0	189
2015-16	3	0	0	0	11	4	3	3	1	15	7	33	150	0	0	230



**बहि प्रवाही जल की गुणवत्ता**  
**EFFLUENT WATER QUALITY**

E.C.D.

Unit : mg/litre (except p<sup>H</sup>)

Table No. 30.1(Contd.)

PERIOD	OUTFALL - 1								
	p <sup>H</sup>	Oil & Grease	Phenol	Cyanide	TSS	BOD	COD	Ammoniacal Nitrogen	
Norm	6.00-8.50	10.00	1.000	0.200	100	30.00	250	50.00	
APR '19	7.34	0.40	0.083	0.051	19.00	12.70	72.00	2.04	
MAY	7.40	0.64	0.021	0.012	24.00	11.50	95.00	4.25	
JUNE	7.72	0.64	0.036	0.018	28.00	10.50	110.00	3.86	
JUL	6.89	0.64	0.086	0.018	24.00	9.54	90.00	4.52	
AUG	6.90	0.48	0.082	0.017	34.00	9.60	71.00	5.26	
SEP	7.30	0.84	0.160	0.036	30.00	7.20	58.00	3.28	
OCT	6.50	0.81	0.092	0.036	34.00	8.00	94.00	6.56	
NOV	7.00	0.48	0.089	0.017	20.00	7.62	60.00	4.12	
DEC	7.80	0.72	0.062	0.023	26.00	6.78	49.00	5.96	
JAN '20	7.20	0.62	0.056	0.024	24.00	10.12	68.00	6.78	
FEB	7.50	0.86	0.207	0.024	25.00	8.50	58.00	6.15	
MAR	7.10	0.58	0.040	0.019	23.00	9.23	68.00	5.95	
<b>2019-20</b>	<b>7.22</b>	<b>0.64</b>	<b>0.085</b>	<b>0.025</b>	<b>25.92</b>	<b>9.27</b>	<b>74.42</b>	<b>4.89</b>	
2018-19	7.76	0.65	0.053	0.026	36.33	9.98	79.83	4.71	
2017-18	7.51	0.66	0.075	0.033	32.00	10.60	76.00	3.35	
2016-17	7.52	0.72	0.040	0.040	27.75	10.80	84.17	1.74	
2015-16	7.53	0.69	0.045	0.027	31.17	10.54	76.08	2.13	

# बहि प्रवाही जल की गुणवत्ता EFFLUENT WATER QUALITY

E.C.D.

Unit : mg/litre (except p<sup>H</sup>)

Table No. 30.1

PERIOD	OUTFALL - 2								
	p <sup>H</sup>	Oil & Grease	Phenol	Cyanide	TSS	BOD	COD	Ammoniacal Nitrogen	
Norm	6.00-8.50	10.00	1.000	0.200	100	30.00	250	50.00	
APR '19	7.62	0.38	0.022	0.012	28.00	10.30	42.00	2.29	
MAY	7.52	1.20	0.018	0.008	27.00	6.50	72.00	1.25	
JUNE	6.92	0.72	0.022	0.010	31.00	7.50	65.00	2.52	
JUL	7.30	0.82	0.024	0.012	21.00	11.72	98.00	3.52	
AUG	7.60	0.58	0.012	0.006	23.00	8.40	65.00	4.05	
SEP	7.10	0.92	0.042	0.024	28.00	6.10	46.00	1.24	
OCT	7.40	0.72	0.044	0.014	32.00	6.82	85.00	1.82	
NOV	6.80	0.62	0.042	0.008	26.00	10.14	56.00	3.06	
DEC	6.70	0.44	0.015	0.009	30.00	6.92	58.00	1.86	
JAN '20	7.40	0.48	0.042	0.008	26.00	8.86	38.00	3.96	
FEB	7.44	0.54	0.026	0.016	24.00	6.50	42.00	2.23	
MAR	6.60	0.48	0.032	0.012	20.00	7.30	45.00	0.98	
<b>2019-20</b>	<b>7.20</b>	<b>0.66</b>	<b>0.028</b>	<b>0.012</b>	<b>26.33</b>	<b>8.09</b>	<b>59.33</b>	<b>2.40</b>	
2018-19	7.68	0.66	0.029	0.015	32.83	8.76	81.50	3.79	
2017-18	7.12	0.49	0.031	0.018	31.00	8.58	60.17	1.66	
2016-17	7.44	0.46	0.026	0.020	28.67	7.67	57.25	1.26	
2015-16	7.47	0.58	0.024	0.012	25.83	8.49	56.25	1.23	

परिवेशी वायु की गुणवत्ता  
**AMBIENT AIR QUALITY**

**Air Strip**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	Ammonia (µg/m <sup>3</sup> )	Ozone (µg/m <sup>3</sup> )	Lead (µg/m <sup>3</sup> )	Benzene (µg/m <sup>3</sup> )	Arsenic (ng/m <sup>3</sup> )	BaP (ng/m <sup>3</sup> )	Nickel (ng/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	84.00	47.00	20.00	29.00	29.00	31.00	0.02	2.00	1.50	0.16	4.40	1.01
MAY	76.00	36.00	22.40	36.70	25.20	30.00	0.02	0.82	1.05	0.13	5.95	1.20
JUNE	78.00	32.00	14.20	24.80	13.80	36.00	0.01	2.64	1.64	0.20	5.28	0.98
JUL	78.00	40.00	29.20	28.50	22.20	36.00	0.02	1.06	1.21	0.16	2.94	0.84
AUG	76.00	37.00	16.50	27.10	18.40	24.20	0.08	0.70	1.24	0.12	7.96	0.97
SEP	87.00	42.00	20.00	18.00	20.00	19.20	0.05	0.74	1.30	0.09	4.74	0.94
OCT	80.00	36.00	28.00	28.00	22.00	30.40	0.08	0.82	0.94	0.12	1.26	0.88
NOV	82.00	46.00	26.00	34.00	18.00	25.00	0.02	0.91	1.22	0.22	5.46	1.46
DEC	84.00	47.00	34.00	44.00	19.00	27.00	0.03	0.88	1.16	0.14	7.14	1.08
JAN '20	89.00	48.00	29.00	42.00	43.00	37.00	0.03	0.58	1.14	0.08	6.80	0.80
FEB	84.00	36.00	19.00	32.00	23.00	32.00	0.02	1.06	1.38	0.10	1.88	0.99
MAR	87.00	43.00	35.00	45.00	38.00	38.00	0.02	0.90	1.08	0.12	1.28	1.00
<b>2019-20</b>	<b>82.08</b>	<b>40.83</b>	<b>24.44</b>	<b>32.43</b>	<b>24.30</b>	<b>30.48</b>	<b>0.03</b>	<b>1.09</b>	<b>1.24</b>	<b>0.14</b>	<b>4.59</b>	<b>1.012</b>
2018-19	83.25	40.25	25.42	40.25	36.92	41.67	0.03	1.87	1.22	0.16	4.87	1.222
2017-18	84.75	48.17	29.17	40.83	30.75	47.27	0.06	1.75	0.99	0.15	4.78	1.396
2016-17	81.14	48.08	34.82	34.92	44.64	54.32	0.14	2.98	0.96	0.27	4.46	1.090
2015-16	80.80	41.23	25.07	41.65	35.45	34.57	0.11	1.40	0.97	0.30	5.76	0.842



**परिवेशी वायु की गुणवत्ता**  
**AMBIENT AIR QUALITY**  
**SGP (CISF)**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	92.00	45.00	28.00	30.00	24.00	41.00	0.02	1.25	1.25	0.14	2.60	1.122
MAY	82.00	37.00	10.90	28.60	20.40	35.00	0.01	1.02	1.72	0.20	5.88	0.950
JUNE	76.00	26.00	12.80	22.20	12.40	32.00	0.00	1.64	1.54	0.24	4.81	0.920
JUL	86.00	41.00	30.70	34.20	35.00	30.00	0.02	1.44	1.52	0.15	3.38	1.200
AUG	83.00	41.00	17.50	24.20	15.90	19.80	0.05	0.98	1.36	0.17	9.24	0.410
SEP	77.00	36.00	15.00	22.00	19.00	19.80	0.05	0.82	1.42	0.14	6.52	0.610
OCT	71.00	38.00	18.00	25.00	18.00	29.10	0.07	0.95	1.38	0.14	1.32	0.570
NOV	87.00	45.00	18.00	29.00	21.00	22.00	0.03	0.98	1.52	0.20	6.16	0.590
DEC	93.00	51.00	30.00	39.00	20.00	30.00	0.02	0.96	1.18	0.19	5.16	1.260
JAN '20	88.00	49.00	28.00	38.00	39.00	37.00	0.03	0.90	1.20	0.12	7.52	1.300
FEB	78.00	35.00	14.00	27.00	22.00	25.00	0.06	1.02	1.60	0.17	5.75	0.780
MAR	90.00	44.00	38.00	40.00	36.00	30.00	0.02	0.98	1.62	0.18	1.40	1.060
<b>2019-20</b>	<b>83.58</b>	<b>40.67</b>	<b>21.74</b>	<b>29.93</b>	<b>23.56</b>	<b>29.23</b>	<b>0.03</b>	<b>1.08</b>	<b>1.44</b>	<b>0.17</b>	<b>4.98</b>	<b>0.898</b>
2018-19	80.00	40.75	22.33	35.50	34.83	42.17	0.02	2.21	1.34	0.19	4.87	1.069
2017-18	91.17	47.58	30.58	33.92	31.40	48.71	0.07	1.55	0.73	0.27	5.72	1.375
2016-17	86.69	47.87	30.44	23.66	51.01	53.61	0.15	2.53	0.97	0.26	6.80	1.271
2015-16	89.74	45.85	29.37	38.18	33.22	35.29	0.10	1.58	0.99	0.37	6.01	0.909

परिपेशी वायु की गुणवत्ता  
**AMBIENT AIR QUALITY**

**BOKARO HOTEL**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	84.00	48.00	26.00	29.00	27.00	40.00	0.02	1.30	1.16	0.16	2.90	0.980
MAY	88.00	35.00	8.70	25.80	20.30	32.00	0.03	0.89	1.40	0.16	5.84	0.870
JUNE	75.00	32.00	11.00	27.10	31.90	31.70	0.04	2.54	1.34	0.22	2.95	0.630
JUL	74.00	29.00	23.90	30.50	20.50	27.00	0.01	1.08	1.41	0.14	2.66	0.680
AUG	80.00	42.00	16.50	30.20	20.20	30.40	0.04	0.80	1.44	0.14	5.64	0.520
SEP	81.00	38.00	28.00	36.00	18.00	20.60	0.04	0.64	1.08	0.12	4.88	0.880
OCT	76.00	26.00	23.00	29.00	15.00	25.20	0.02	0.72	0.98	0.11	1.31	0.460
NOV	71.00	38.00	16.00	25.00	17.00	21.00	0.01	0.92	1.65	0.15	5.92	0.520
DEC	80.00	36.00	29.00	36.00	24.00	28.00	0.04	0.80	1.20	0.11	9.96	0.950
JAN '20	79.00	39.00	33.00	40.00	38.00	34.00	0.03	0.72	1.06	0.09	4.81	0.740
FEB	72.00	31.00	21.00	25.00	16.00	22.00	0.08	0.82	1.48	0.10	7.34	0.630
MAR	76.00	40.00	30.00	36.00	28.00	28.00	0.01	0.66	1.40	0.11	1.36	0.840
<b>2019-20</b>	<b>78.00</b>	<b>36.17</b>	<b>22.18</b>	<b>30.80</b>	<b>22.99</b>	<b>28.33</b>	<b>0.03</b>	<b>0.99</b>	<b>1.30</b>	<b>0.13</b>	<b>4.63</b>	<b>0.725</b>
2018-19	78.75	38.92	18.25	30.58	35.08	43.92	0.02	1.70	1.18	0.14	4.64	1.010
2017-18	82.25	42.75	23.83	36.92	29.36	47.23	0.05	1.40	1.14	0.16	5.53	1.301
2016-17	76.19	46.48	31.20	23.70	45.28	51.79	0.19	2.27	0.85	0.20	4.42	1.342
2015-16	78.45	42.34	25.08	39.12	33.22	36.62	0.08	1.41	0.92	0.29	5.78	0.829

परिपेशी वायु की गुणवत्ता  
**AMBIENT AIR QUALITY**

**GARGA DAM PUMP HOUSE**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	70.00	38.00	11.00	22.00	17.00	29.00	0.03	1.28	1.34	0.18	3.70	0.483
MAY	81.00	40.00	16.20	34.50	15.20	33.00	0.02	0.70	1.05	0.11	8.12	1.240
JUNE	72.00	29.00	8.90	17.00	19.20	34.00	0.01	1.24	1.24	0.20	3.49	0.850
JUL	70.00	30.00	33.50	38.60	20.60	34.00	0.02	1.04	1.60	0.18	4.92	0.740
AUG	76.00	40.00	24.10	36.10	23.40	26.10	0.04	0.94	1.34	0.16	5.92	0.480
SEP	62.00	33.00	14.00	19.00	16.00	15.40	0.03	0.62	1.12	0.14	5.92	0.560
OCT	78.00	34.00	26.00	26.00	19.00	26.10	0.02	0.62	1.26	0.09	1.30	0.920
NOV	80.00	42.00	20.00	32.00	22.00	24.00	0.03	1.04	1.36	0.16	10.28	1.360
DEC	76.00	42.00	38.00	40.00	20.00	30.00	0.04	0.96	1.14	0.14	9.62	0.960
JAN '20	74.00	40.00	32.00	30.00	36.00	30.00	0.03	0.96	1.12	0.16	8.88	0.900
FEB	80.00	40.00	18.00	30.00	16.00	34.00	0.01	0.72	1.23	0.11	1.82	0.900
MAR	79.00	40.00	36.00	40.00	36.00	28.00	0.02	0.68	1.24	0.10	1.70	0.890
<b>2019-20</b>	<b>74.83</b>	<b>37.33</b>	<b>23.14</b>	<b>30.43</b>	<b>21.70</b>	<b>28.63</b>	<b>0.02</b>	<b>0.90</b>	<b>1.25</b>	<b>0.14</b>	<b>5.47</b>	<b>0.857</b>
2018-19	74.42	37.67	20.42	33.33	32.25	42.00	0.02	1.73	1.04	0.16	4.05	0.956
2017-18	78.00	41.42	24.50	33.42	27.96	45.43	0.05	1.41	0.86	0.18	5.56	1.104
2016-17	77.36	41.35	27.57	16.65	44.09	54.97	0.15	1.87	0.91	0.23	5.13	1.308
2015-16	75.56	41.16	23.97	41.76	36.05	36.76	0.09	1.49	0.94	0.32	6.40	0.865

**परिवेशी वायु की गुणवत्ता**  
**AMBIENT AIR QUALITY**  
**SECTOR-12 COMMUNITY CENTRE**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	82.00	41.00	17.00	31.00	28.00	33.00	0.02	1.16	1.81	0.19	3.60	0.995
MAY	67.00	31.00	7.20	23.60	16.40	39.00	0.01	0.90	1.52	0.12	6.35	0.920
JUNE	66.00	28.00	8.20	22.40	14.20	32.00	0.02	1.34	1.44	0.23	6.20	0.920
JUL	81.00	35.00	20.60	41.70	34.50	36.00	0.01	1.24	1.44	0.16	5.12	1.040
AUG	78.00	39.00	14.90	27.80	19.10	26.40	0.05	0.90	1.14	0.14	5.94	0.400
SEP	67.00	35.00	17.00	29.00	22.00	24.20	0.04	0.70	1.26	0.12	6.81	1.530
OCT	74.00	30.00	14.00	21.00	14.00	25.80	0.07	0.90	1.30	0.10	1.21	1.440
NOV	82.00	41.00	19.00	32.00	23.00	28.00	0.02	0.96	1.81	0.16	3.43	1.620
DEC	87.00	46.00	40.00	42.00	26.00	34.00	0.04	0.86	1.08	0.08	4.96	0.880
JAN '20	82.00	45.00	34.00	40.00	41.00	36.00	0.03	0.87	1.08	0.15	5.95	0.850
FEB	81.00	38.00	16.00	23.00	14.00	27.00	0.01	0.90	1.32	0.12	2.04	1.360
MAR	84.00	38.00	34.00	42.00	33.00	26.00	0.01	0.70	1.43	0.08	1.06	0.940
<b>2019-20</b>	<b>77.58</b>	<b>37.25</b>	<b>20.16</b>	<b>31.29</b>	<b>23.77</b>	<b>30.62</b>	<b>0.03</b>	<b>0.95</b>	<b>1.39</b>	<b>0.14</b>	<b>4.39</b>	<b>1.075</b>
2018-19	81.92	38.83	20.75	32.67	32.42	41.58	0.02	1.52	1.22	0.15	4.59	0.886
2017-18	86.00	43.92	24.17	35.33	32.77	45.46	0.07	1.50	0.91	0.15	5.59	1.174
2016-17	85.18	42.42	27.58	27.48	37.59	48.74	0.15	2.29	1.12	0.22	5.29	0.924
2015-16	82.32	43.13	24.81	41.72	31.53	37.18	0.09	1.45	0.93	0.31	6.17	0.816

**परिपेशी वायु की गुणवत्ता**  
**AMBIENT AIR QUALITY**  
**SECTOR-9 COMMUNITY CENTRE**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	91.00	52.00	21.00	34.00	24.00	37.00	0.02	1.44	1.70	0.21	3.80	1.071
MAY	78.00	36.00	20.60	30.60	20.10	33.00	0.01	0.79	1.22	0.14	4.90	0.950
JUNE	86.00	35.00	16.60	23.60	32.30	26.80	0.05	1.44	1.04	0.24	5.63	1.010
JUL	80.00	33.00	24.70	48.20	36.50	28.00	0.02	1.07	1.36	0.17	4.96	1.040
AUG	91.00	48.00	18.30	31.10	21.70	35.20	0.05	0.78	1.30	0.15	6.60	0.340
SEP	87.00	42.00	21.00	32.00	17.00	26.40	0.04	0.59	1.40	0.10	5.90	0.960
OCT	69.00	31.00	16.00	25.00	18.00	28.80	0.03	0.82	1.20	0.08	1.40	0.910
NOV	96.00	52.00	24.00	34.00	19.00	32.00	0.05	0.86	1.72	0.17	12.78	1.660
DEC	90.00	48.00	34.00	43.00	25.00	35.00	0.03	0.78	1.24	0.10	10.81	0.720
JAN '20	81.00	41.00	30.00	36.00	45.00	35.00	0.04	0.90	0.98	0.14	4.80	0.900
FEB	89.00	42.00	20.00	36.00	15.00	40.00	0.01	1.24	1.40	0.08	1.92	0.840
MAR	83.00	39.00	38.00	41.00	30.00	32.00	0.01	0.72	1.23	0.09	1.24	0.780
<b>2019-20</b>	<b>85.08</b>	<b>41.58</b>	<b>23.68</b>	<b>34.54</b>	<b>25.30</b>	<b>32.43</b>	<b>0.03</b>	<b>0.95</b>	<b>1.32</b>	<b>0.14</b>	<b>5.40</b>	<b>0.932</b>
2018-19	88.67	43.83	19.42	36.67	36.75	46.42	0.04	1.76	1.16	0.15	6.84	1.186
2017-18	88.42	45.92	22.08	33.08	31.85	47.38	0.06	1.46	0.75	0.16	6.05	1.213
2016-17	90.68	46.80	26.09	27.62	46.24	50.05	0.18	2.77	0.94	0.27	5.78	0.984
2015-16	84.85	44.28	27.14	41.25	33.60	37.14	0.09	1.38	0.90	0.31	6.26	0.850

**परिपेशी वायु की गुणवत्ता**  
**AMBIENT AIR QUALITY**  
**BOKARO STEEL CITY RLY. STATION**

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	93	55	24	32	28	38	0.023	2.12	1.59	0.2	2.5	1.124
MAY	71	36	11.6	30	17.9	42	0.027	0.98	1.7	0.18	13.55	1.040
JUNE	68	33	11.2	28.2	16.2	40	0.024	2.04	1.84	0.22	12.42	1.040
JUL	72	34	46.2	40.5	18.1	52	0.026	2.16	1.72	0.2	6.92	0.940
AUG	89	43	22.4	33.4	25	30.8	0.049	1.02	1.62	0.18	6.31	0.970
SEP	82	39	24	36	27	17.6	0.054	0.98	1.5	0.2	7.14	1.280
OCT	95	42	15	19	17	27.5	0.026	1	1.46	0.18	2.49	1.020
NOV	94	48	28	39	25	27	0.031	1.02	1.54	0.18	11.34	1.410
DEC	88	49	52	38	26	36	0.042	1.12	1.24	0.2	10.06	1.300
JAN '20	71	39	19	15	32	39	0.032	1.3	1.36	0.21	10.36	1.200
FEB	95	43	19	28	18	31	0.005	0.92	1.8	0.18	1.39	1.470
MAR	88	46	40	43	41	30	0.01	1.04	1.72	0.22	1.42	1.230
<b>2019-20</b>	<b>83.83</b>	<b>42.25</b>	<b>26.03</b>	<b>31.84</b>	<b>24.27</b>	<b>34.24</b>	<b>0.03</b>	<b>1.31</b>	<b>1.59</b>	<b>0.20</b>	<b>7.16</b>	<b>1.169</b>
2018-19	88.92	45.08	28.75	36.67	38.50	46.00	0.03	2.02	1.27	0.21	4.91	1.169
2017-18	85.33	45.17	30.83	37.00	31.55	55.12	0.07	2.17	1.24	0.25	4.84	1.456
2016-17	89.26	50.51	27.46	29.45	53.91	65.94	0.13	3.18	0.96	0.29	3.50	1.011
2015-16	88.04	46.58	35.42	46.38	38.44	42.07	0.14	1.73	1.12	0.47	7.16	1.135



# परिवेशी वायु की गुणवत्ता AMBIENT AIR QUALITY

## CONTINUOUS AMBIENT AIR QUALITY MONITORING STATION AT MAIN GATE

E.C.D.

Table No. 30.2 (Contd.)

PERIOD	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	Ammonia ( $\mu\text{g}/\text{m}^3$ )	Ozone ( $\mu\text{g}/\text{m}^3$ )	Lead ( $\mu\text{g}/\text{m}^3$ )	Benzene ( $\mu\text{g}/\text{m}^3$ )	Arsenic ( $\text{ng}/\text{m}^3$ )	BaP ( $\text{ng}/\text{m}^3$ )	Nickel ( $\text{ng}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	83.37	30.93	28.19	45.48	38.26	10.09	-	3.32	-	-	-	0.92
MAY	57.09	16.29	25.63	57.56	66.67	5.63	-	1.68	-	-	-	0.48
JUNE	84.8	43.12	32.34	8.73	28	12.27	-	4.32	-	-	-	0.58
JUL	59.62	25.7	25.4	25.7	59.62	3.4	-	1.30	-	-	-	0.93
AUG	49.55	12.87	15.81	49.95	65.43	7.44	-	0.49	-	-	-	0.34
SEP	51.56	17.05	15.49	50.52	63.67	7.94	-	1.36	-	-	-	0.36
OCT	57.17	5.08	19.3	49.24	64.89	13.51	-	4.26	-	-	-	0.28
NOV	83.96	29.69	14.84	37.64	33.73	14.56	-	3.56	-	-	-	0.3
DEC	97.27	52.79	13.58	17.05	19.92	11.94	-	1.10	-	-	-	1.34
JAN '20	85.46	29.36	15.96	39.01	53.47	11.15	-	4.22	-	-	-	0.47
FEB	84.19	29.38	15.77	39.89	54.15	15.62	-	4.33	-	-	-	0.23
MAR	59.24	29.61	16.59	54.3	19.89	8.72	-	4.21	-	-	-	0.41
<b>2019-20</b>	<b>71.11</b>	<b>26.82</b>	<b>19.91</b>	<b>39.59</b>	<b>47.31</b>	<b>10.19</b>	-	<b>2.85</b>	-	-	-	<b>0.55</b>
2018-19	82.40	40.38	18.24	20.38	11.37	38.27	-	2.60	-	-	-	0.96
2017-18	78.27	42.22	21.20	10.93	7.96	32.23	-	2.57	-	-	-	1.30
2016-17	77.00	31.66	18.39	12.51	8.66	26.37	-	1.03	-	-	-	1.03
2015-16	68.63	37.38	16.50	17.17	18.22	27.61	-	1.77	-	-	-	1.22

# परिवेशी वायु की गुणवत्ता

## AMBIENT AIR QUALITY

### CONTINUOUS AMBIENT AIR QUALITY MONITORING STATION AT T A BUILDING

E.C.D.

Table No. 30.2

PERIOD	PM <sub>10</sub> <sup>3</sup> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> <sup>3</sup> (µg/m <sup>3</sup> )	SO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	NO <sub>2</sub> <sup>3</sup> (µg/m <sup>3</sup> )	Ammonia <sup>3</sup> (µg/m <sup>3</sup> )	Ozone <sup>3</sup> (µg/m <sup>3</sup> )	Lead <sup>3</sup> (µg/m <sup>3</sup> )	Benzene <sup>3</sup> (µg/m <sup>3</sup> )	Arsenic <sup>3</sup> (ng/m <sup>3</sup> )	BaP <sup>3</sup> (ng/m <sup>3</sup> )	Nickel <sup>3</sup> (ng/m <sup>3</sup> )	CO <sup>3</sup> (mg/m <sup>3</sup> )
Norm	100	60	80	80	400	100	1	5	6	1	20	2
APR '19	82.54	33.22	33.01	24.64	13.25	23.71	--	1.63	--	--	--	1.41
MAY	68.4	40.24	6	3.9	7.14	30.22	--	1.10	--	--	--	1.94
JUNE	58.78	17.23	13.83	7.87	9.3	32.8	-	1.10	-	-	-	0.43
JUL	49.72	14.39	67.22	7.83	4.34	16.18	-	1.10	-	-	-	0.42
AUG	78.24	16.31	55.18	8.41	17.75	11.43	-	1.10	-	-	-	0.49
SEP	36.86	13.64	26.52	16.58	19.93	8.23	-	1.10	-	-	-	0.65
OCT	97.56	27.23	16.29	16.83	17.79	18.62	-	1.97	-	-	-	1.90
NOV	82.17	15.68	16.89	15.84	19.91	14.91	-	1.30	-	-	-	1.87
DEC	56.50	29.48	14.12	39.19	53.24	22.25	-	4.21	-	-	-	0.15
JAN '20	96.39	53.35	12.63	17.07	19.82	10.08	-	1.77	-	-	-	1.10
FEB	57.29	36.6	7.17	16.1	19.94	16.98	-	1.43	-	-	-	0.51
MAR	90.06	46.87	20.52	16.45	19.98	24.72	-	1.92	-	-	-	0.59
<b>2019-20</b>	<b>71.21</b>	<b>28.69</b>	<b>24.12</b>	<b>15.89</b>	<b>18.53</b>	<b>19.18</b>	<b>-</b>	<b>1.64</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.96</b>
2018-19	86.70	37.87	31.56	9.63	10.17	36.23	-	2.21	-	-	-	1.10
2017-18	77.75	38.88	43.79	16.38	9.47	42.86	-	1.71	-	-	-	1.31
2016-17	77.82	32.55	33.27	37.40	9.95	48.87	-	2.62	-	-	-	1.36





एल.डी. स्लेग का जनन एवं उपयोग  
GENERATION AND UTILISATION OF L.D. SLAG

E.C.D.

Unit : Tonne

Table No. 30.3

PERIOD	GENERA- TION	UTILISATION											Total	
		Road Making (0-100mm)				Sinter Plant (0-5mm)	BF/RMHP (10-40mm)	SMS (10-40mm)	Second ary Market	Sold to IISCO (10-100mm)	S E Rly. (20-65mm)	Traffic (10-40mm)		
		CED	Ash Pond	Project T.S. & WMD	Total									
APR '19	36007	1475	10000	-	150	11625	12476	-	7663	1716	-	-	700	34180
MAY	34401	2275	10000	-	300	12575	9138	-	6045	1835	-	-	150	29743
JUNE	34963	1350	10000	-	50	11400	8698	-	6941	1783	-	-	225	29047
JUL	36608	2925	9000	-	200	12125	15091	-	6452	663	-	-	375	34706
AUG	31105	2575	5000	-	225	7800	16141	-	5776	1285	-	-	325	31327
SEP	30640	2350	9000	-	1150	12500	11497	-	2754	1108	-	-	275	28134
OCT	31453	1200	7000	-	525	8725	13705	-	6489	1100	-	-	175	30194
NOV	30133	1125	9000	-	75	10200	11655	-	5299	1431	-	-	100	28685
DEC	32016	1500	7000	-	0	8500	13285	-	6365	1786	-	-	325	30261
JAN '20	35348	1850	9000	-	200	11050	13615	-	6540	211	-	-	400	31816
FEB	35172	2350	10000	-	0	12350	12133	-	5829	1440	-	-	50	31802
MAR	35564	1300	9000	-	0	10300	14014	-	9942	1355	-	-	375	35986
<b>2019-20</b>	<b>403410</b>	<b>22275</b>	<b>104000</b>	<b>0</b>	<b>2875</b>	<b>129150</b>	<b>151448</b>	<b>0</b>	<b>76095</b>	<b>15713</b>	<b>0</b>	<b>0</b>	<b>3475</b>	<b>375881</b>
<b>2018-19</b>	<b>421668</b>	<b>8200</b>	<b>118000</b>	<b>0</b>	<b>20180</b>	<b>146380</b>	<b>135410</b>	<b>0</b>	<b>71985</b>	<b>13866</b>	<b>0</b>	<b>0</b>	<b>6815</b>	<b>374456</b>
<b>2017-18</b>	<b>406294</b>	<b>8150</b>	<b>108000</b>	<b>0</b>	<b>12099</b>	<b>128249</b>	<b>135337</b>	<b>0</b>	<b>80904</b>	<b>6633</b>	<b>0</b>	<b>0</b>	<b>7697</b>	<b>358820</b>
<b>2016-17</b>	<b>346909</b>	<b>7625</b>	<b>104000</b>	<b>0</b>	<b>1125</b>	<b>112750</b>	<b>134090</b>	<b>0</b>	<b>50445</b>	<b>10968</b>	<b>0</b>	<b>0</b>	<b>9207</b>	<b>317460</b>
<b>2015-16</b>	<b>373128</b>	<b>1550</b>	<b>112000</b>	<b>0</b>	<b>15040</b>	<b>128590</b>	<b>121475</b>	<b>1099</b>	<b>50974</b>	<b>-</b>	<b>1893</b>	<b>3989</b>	<b>7443</b>	<b>315463</b>

