

(केवल आंतरिक वितरण के लिए)

निष्पादन समीक्षा PERFORMANCE REVIEW



सेल SAIL

PRODUCTION PLANNING & CONTROL
BHILAI STEEL PLANT



उत्पादन निष्पादन
PRODUCTION PERFORMANCE

मार्च - 2020
MARCH - 2020

<http://cmmspage/ppc/>

निष्पादन पुनरावलोकन : मार्च- 2020
PERFORMANCE REVIEW : MARCH - 2020

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तकनीकी आर्थिक सूचकांक
TECHNO-ECONOMIC INDICES

MAR -20

(प्रोविजनल आंकड़े)

I T E M S	UNIT	BEST ACHIEVED FOR A YEAR	ABP/Norm	ACTUAL		18-19
				2019-20	MAR -20	
COKE OVEN & BYE PRODUCTS						
Av. Ash in Coal Blend:						
Batt. 1 - 8	%	-	11±0.5	10.3	10.3	10.0
Batt. 9 - 11	%	-	11±0.5	11.1	10.4	10.0
Overall	%	-	11±0.5	10.7	10.3	10.0
Av. V.M.in Coal Blend						
Batt. 1 - 8	%	-	24±0.5	23.9	24.1	23.6
Batt. 9 - 11	%	-	24±0.5	23.8	24.1	23.6
Imported Coal in Blend						
Overall	%	-	85.0	93.2	92.4	93.7
Av. Ash in BF Coke						
CSP - I	%	-	15.5±0.5	13.7	13.6	13.4
CSP - II	%	-	15.5±0.5	14.7	13.8	13.4
CSP - III	%	-	15.5±0.5	14.9	13.9	13.4
Micum :(+) 40 mm						
CSP - I	%	82.00	80.0	79.8	80.7	80.5
CSP - II	%		80.0	78.6	80.5	80.5
CSP - III	%	82.40	80.0	79.8	81.1	80.8
Micum :(-) 10 mm						
CSP - I	%	7.41 (16-17)	8.1	7.9	7.7	7.7
CSP - II	%	7.61 (16-17)	8.1	8.4	7.7	7.8
CSP - III	%	7.66 (18-19)	8.1	8.1	7.6	7.7
Av. Coking time						
Batt. 1 - 8	Hr.	18.05	-	26.8	25.2	22.6
Batt. 9 - 11	Hr.	17.90	-	19.0	19.9	20.1
Coal charge/Oven(dry)						
Batt. 1 - 8	Tonne	17.2 (88-89)	16.70	16.7	16.7	16.7
Batt. 9 - 11	Tonne	32.4 (91-92)	30.10	30.1	30.1	30.1
Yield from coal charge (dry) (Overall)						
Gross Coke	%	77.70 (87-88)	76.10	76.1	76.1	76.1
BF Coke	%	70.89 (61-62)	67.50	67.5	67.5	67.6
Crude Tar	%	3.46 (91-92)	3.00	2.90	2.88	3.0
Ammonium Sulphate	%	1.28	1.02	1.03	1.03	1.0
Crude Benzol (Gravimetric)	%	0.87	0.73	0.73	0.73	0.7
C.O.Gas make/T. of Coal (dry)	M3	322.09 (15-16)	318	324.1	318.5	318.7
SINTERING PLANTS						
Sintering Plant No. 2						
Machine availability	%	97.9 (10-11)	92.6	93.9	95.4	95.9
Machine utilisation (as % of available hrs.)	%	96.8 (05-06)	96.1	85.4	84.1	83.7
Productivity(working hrs.)	T/m2/hr	1.532 (10-11)	1.3	1.1	1.1	1.2
Basicity			1.6	1.7	1.6	1.5
Sintering Plant No. 3						
Machine availability	%	95.9 (13-14)	93.9	96.9	95.0	94.2
Machine utilisation (as % of available hrs.)	%	97.4 (11-12)	91.0	78.2	81.8	74.2
Productivity(working hrs.)	T/m2/hr	1.49(10-11)	1.2	1.0	1.1	1.0
Basicity			1.6	1.8	1.7	1.6

तकनीकी आर्थिक सूचकांक
TECHNO-ECONOMIC INDICES
MAR -20

तकनीकी आर्थिक सूचकांक TECHNO-ECONOMIC INDICES	UNIT	BEST ACHIEVED FOR A YEAR	ABP/Norm	ACTUAL		18-19
				2019-20	MAR -20	Cum.
BLAST FURNACES *						
Sinter in burden(BF 1-8)	%	68.9 (15-16)	70.0	65.4	66.7	67.4
Coke rate(dry) (BF 1-8)	Kg./THM	491 (08-09)	428.0	454.3	462.7	493.3
Coke screening (BF 1-8)	25 mm		9.5	9.06	8.98	8.7
Productivity (W. Vol)						
886 Cu. M. Fces.(1)	T/m3/day	2.07 (02-03)	2.01	1.96	1.92	1.72
1491 Cu. M. Fces.(4-6)	T/m3/day	1.65 (04-05)	1.77	1.67	1.63	1.22
2104 Cu. M. Fces.(7)	T/m3/day	1.94 (01-02)	1.95	1.74	1.73	1.72
3445 Cu. M. Fces.(8)			2.28	2.08	1.92	1.49
Overall (BF 1-8)	T/m3/day	1.81 (04-05)	2.03	1.92	1.81	1.50
Slag Rate (1-8)	Kg./THM	376 (03-04)	400.0	414.2	415.7	409.3
Sp. Nut Coke Consumption (1-8)	Kg./THM	34.4 (18-19)	20.0	24.1	30.2	34.4
STEEL MELTING SHOP - I CONSUMPTION (Per tonne of Ingot Steel)						
Hot metal (Gross)	Kg/T		980.0	931.9	942.3	946.0
Iron & Steel Scrap	Kg/T		171.0	215.3	204.7	202.2
TOTAL	Kg/T	1102.9 (01-02)	1151.0	1147.2	1147.0	1148.2
Ingot mould	Kg/T	14.5 (17-18)	14.7	15.2	17.6	14.8
Bottom Stool	Kg/T	6.2 (99-00)	8.0	9.2	9.8	8.7
Avg. THFs Lining life	No.	752 (99-00)	450.0	451.0	437.6	437.1
PRODUCTIVITY						
a) Heat weight : T.H. Fce.	T.	248.7 (06-07)	245.0	247.2	246.4	246.7
b) Tap to Tap time T.H. Fce.	Hrs: Min	4:24 (99-00)	4:44	5:36	6:05	5:00
c) Metallic Yield	%	90.13 (01-02)	85.5	84.7	84.4	84.2
d) Fe Yield	%	97.30		91.7	91.4	91.2
STEEL MELTING SHOP - II CONSUMPTION						
Hot metal	Kg/T	1002.03 (15-16)	1035.0	1025.70	1027.37	1009.3
Scrap (includes HBI)	Kg/T	96.54 (10-11)	108.0	116.53	114.39	133.3
Total metallic charge	Kg/T	1134.6 (07-08)	1143.0	1142.23	1141.76	1142.6
Metallic Yield (Rev.Defn.)	%	87.98 (08-09)	87.0	86.70	86.60	86.5
Fe Yield	%	94.30 (08-09)		92.92	92.84	92.7
Blow per campaign	No.	10398 (11-12)	6000.0	-	6370	7777.3
CONTINUOUS CASTING SHOP						
Yield from Cast steel						
a) Conditioned Slab	%	97.19 (11-12)	97.0	96.81	96.93	96.9
b) Conditioned Blooms	%	99.66 (14-15)	99.0	99.01	99.25	99.4
STEEL MELTING SHOP - III CONSUMPTION						
Hot metal	Kg/T		1040.0	955.97	979.68	1085.7
Scrap	Kg/T		110.0	174.65	173.22	105.0
Total metallic charge	Kg/T		1150.0	1130.62	1152.89	1190.7
BLOOMING MILL						
Overall yield (at shear)	%	89.68 (01-02)	88.7	88.72	88.72	88.7
Rolling rate (Ingot rolled)	T/Hr.	377 (76-77)	246.0	236.28	258.83	338.5
Mill availability	%	94.44 (17-18)	91.5	100.00	95.18	91.5
Mill utilisation (% of available Hrs)	%	88.2 (10-11)	67.3	36.29	53.45	61.3
Average Track Time	Hrs:Min.	2.3 (94-95)	2:30	2:51	3:09	3:11
Cold Ingots charged	%	27.10 (86-87)	10.0	2.78	22.50	7.1
Pit productivity	T/Hr.	-	-	29.68	22.68	21.1

* BF-8 Started on 2nd Feb 2018.

तकनीकी आर्थिक सूचकांक
TECHNO-ECONOMIC INDICES

MAR -20

तकनीकी आर्थिक सूचकांक TECHNO-ECONOMIC INDICES	UNIT	BEST ACHIEVED FOR A YEAR	ABP/Norm	ACTUAL		18-19
				2019-20	MAR	
RAIL & STURCTURAL MILL						
Overall yield at hot saw	%	95.39 (04-05)	-	92.8	92.8	92.8
Rolling rate	T/Hr.	153.49 (20-21)	148.0	155.0	153.5	150.5
Mill availability	%	97.68 (15-16)	93.7	100.0	97.6	94.6
Mill utilisation (% of available Hrs)	%	79.28 (05-06)	71.9	67.2	70.0	62.7
URM						
Yield (As Finished)	%	-	-	98.5	93.3	92.9
Rolling rate	T/Hr.	-	148.0	124.1	118.7	75.2
Mill availability	%	-	93.7	98.3	94.3	94.4
Mill utilisation (% of available Hrs)	%	-	71.9	59.0	62.1	70.9
MERCHANT MILL						
Overall yield	%	97.2 (18-19)	96.4	96.4	96.4	97.2
Rolling rate	T/Hr.	102.43 (08-09)	95.0	90.1	83.7	90.1
Mill availability	%	92.61 (18-19)	93.3	96.2	91.5	92.6
Mill utilisation (% of available Hrs)	%	92.74 (13-14)	93.1	66.6	73.2	83.3
WIRE ROD MILL						
Overall yield	%	96.15(01-02)	95.5	93.8	93.4	95.5
Rolling rate	T/Hr.	92.19(10-11)	79.0	55.0	60.9	68.6
Mill availability	%	93.72(18-19)	91.0	95.7	92.0	93.7
Mill utilisation (% of available Hrs)	%	91.5(08-09)	87.1	70.1	68.2	74.6
PLATE MILL						
Overall yield	%	91.39 (14-15)	91.0	90.0	90.4	90.4
Rolling rate (Slabs rolled)	T/Hr.	235.20 (03-04)	195.0	171.6	158.6	158.6
Mill availability	%	93.47 (14-15)	84.2	95.7	93.9	93.9
Mill utilisation (% of available Hrs)	%	96.21 (03-04)	91.5	65.2	73.8	73.8
HEAT CONS.(SPECIFIC)						
Coke ovens	103Kcal/T	621.7 (17-18)	650.0	663.0	668.3	656.1
Steel Melting Shop-I	103Kcal/T	67.2 (05-06)	80.0	152.0	147.6	97.5
Soaking pit	103Kcal/T	320.2 (06-07)	390.0	385.0	488.8	411.3
Rail & Strl. Mill	103Kcal/T	550.5 (03-04)	640.0	715.0	691.8	674.5
URM	103Kcal/T	460.4 (18-19)	415.0	349.5	370.2	460.4
Merchant Mill	103Kcal/T	513.3 (05-06)	530.0	557.0	621.0	570.0
Wire Rod Mill	103Kcal/T	414.2 (13-14)	435.0	508.0	564.7	493.8
Plate Mill	103Kcal/T	468.7 (14-15)	500.0	527.3	548.1	532.6
POWER CONS.(SPECIFIC)						
Coke oven(per tonne of B.F. Coke Dry)	Kwh/T	17.2 (66-67)	47.0	59.7	59.7	53.5
Sintering Plant - II	Kwh/T	32.3 (09-10)	34.5	41.4	41.9	39.9
Sintering Plant - III	Kwh/T	37.6 (10-11)	58.7	61.2	61.6	63.4
Blast Furnaces (1-8)	Kwh/T	26.1 (10-11)	-	42.0	44.1	45.3
Steel Melting Shop-I	Kwh/T	16.3 (90-91)	28.7	36.5	35.5	31.5
SMS - II (Converter)	Kwh/T	13.7 (14-15)	13.7	14.9	15.3	14.4
Continuous Casting Shop	Kwh/T	21.0 (94-95)	68.8	76.8	82.2	81.6
Blooming Mill (At shear)	Kwh/T	16.2 (10-11)	18.4	24.6	22.8	18.5
Billet Mill (At shear)	Kwh/T	17.56 (10-11)	19.8	22.8	23.4	19.8
Rail & Strl. Mill (As rolled)	Kwh/T	48.8 (03-04)	59.0	60.1	61.8	63.9
URM (As rolled)	Kwh/T	127.0 (18-19)	80.2	109.3	110.8	127.0
Merchant Mill	Kwh/T	48.0 (91-92)	48.8	54.6	54.8	50.5
Wire Rod Mill	Kwh/T	84.4 (77-78)	110.0	131.0	138.0	124.5
Plate Mill	Kwh/T	87.9 (14-15)	87.9	111.6	111.9	104.7
Plant Operation (4 MTP)	Kwh/TSS	449.1 (14-15)	426.0	517.7	538.4	560.5
Yield of Crude Steel from Hot Metal	%	-	97.5	98.9	97.8	96.5
Yield of Sal. Steel from Crude Steel	%	-	90.1	89.4	86.4	86.0
Gross Energy Consumption	G.Cal/T	6.436 (15-16)	6.4	6.48	6.68	6.75

विक्रय योग्य स्टील का परीक्षित उत्पादन : मार्च-2020
TESTED PRODUCTION OF SALEABLE STEEL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

CATEGORY OF STEEL		TESTED		DEFECTIVE		OFF GRADE		OTHERS		TOTAL	
		(T)	(%)	(T)	(%)	(T)	(%)	(T)	(%)	(T)	(%)
BLOOMS	MONTH	-1224	-232.70	1750	332.70	0	0.00	0	0.00	526	100.00
	CUM	6713	17.56	31525	82.44	0	0.00	0	0.00	38238	100.00
BILLETS	MONTH	671	19.66	680	19.92	0	0.00	2062	60.42	3413	100.00
	CUM	128062	71.15	12719	7.07	0	0.00	39200	21.78	179981	100.00
SLABS (CCS)	MONTH	16615	91.32	1580	8.68	0	0.00	0	0.00	18195	100.00
	CUM	51268	66.95	25312	33.05	0	0.00	0	0.00	76580	100.00
BLOOMS (CCS)	MONTH	0	0.00	4647	100.00	0	0.00	0	0.00	4647	100.00
	CUM	0	0.00	65024	100.00	0	0.00	0	0.00	65024	100.00
SMS-3 BLOOMS	MONTH	0	0.00	6492	100.00	0	0.00	0	0.00	6492	100.00
	CUM	1593	3.65	42016	96.35	0	0.00	0	0.00	43609	100.00
SMS-3 BILLETS	MONTH	13568	100.00	0	0.00	0	0.00	0	0.00	13568	100.00
	CUM	206361	99.70	630	0.30	0	0.00	0	0.00	206991	100.00
TOTAL SEMIS	MONTH	29630	63.26	15149	32.34	0	0.00	2062	4.40	46841	100.00
	CUM	393997	64.54	177226	29.03	0	0.00	39200	6.42	610423	100.00
RAILS	MONTH	75300	96.96	2363	3.04	0	0.00	0	0.00	77663	100.00
	CUM	849036	95.94	35937	4.06	0	0.00	0	0.00	884973	100.00
STRUCTURALS	MONTH	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	CUM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
SQUARES	MONTH	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	CUM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
TOTAL RSM	MONTH	75300	96.96	2363	3.04	0	0.00	0	0.00	77663	100.00
	CUM	849036	95.94	35937	4.06	0	0.00	0	0.00	884973	100.00
URM Rails	MONTH	53801	96.49	1956	3.51	0	0.00	0	0.00	55757	100.00
	CUM	576102	95.32	28294	4.68	0	0.00	0	0.00	604396	100.00
LIGHT STRUCTURALS	MONTH	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
	CUM	146995.8	97.06	0	0.00	0	0.00	4449	2.94	151445	100.00
ROUNDS & BARS	MONTH	39864.52	92.89	324.68	0.76	0	0.00	2728	6.36	42917.2	100.00
	CUM	315820.17	92.60	5569.33	1.63	0	0.00	19666	5.77	341056	100.00
BRM PRODUCTS	MONTH	21616.02	100.00	0	0.00	0	0.00	0	0.00	21616.02	100.00
	CUM	181526.4	99.40	461.8	0.00	0	0.00	632.7	0.35	182620.9	99.75
WIRE RODS	MONTH	27376	99.65	96	0.35	0	0.00	0	0.00	27471.5	100.00
	CUM	333742.3	99.54	1553.82	0.46	0	0.00	0	0.00	335296	100.00
PLATES	MONTH	70925	98.91	778	1.09	0	0.00	0	0.00	71703	100.00
	CUM	862304	98.79	10534	1.21	0	0.00	0	0.00	872838	100.00
TOTAL FINISHED STEEL	MONTH	288882	97.22	5518	1.86	0	0.00	2728	0.92	297128	100.00
	CUM	3265526.7	96.82	82349.95	2.44	0	0.00	24748	0.73	3372624	100.00
TOTAL SALEABLE STEEL	MONTH	318512.16	92.60	20666.56	6.01	0.00	0.00	4790.00	1.39	343968.72	100.00
	CUM	3659523.67	91.88	259575.95	6.52	0.00	0.00	63947.70	1.61	3983047.32	100.00

उत्पादन सारांश मार्च-2020
PRODUCTION SUMMARY - MARCH- 2020

सेल:भि.इ.सं./पी.पी.सी.

इकाई : टन

PARTICULARS	PRODUCTION			
	A B P	ACTUAL	%	CUMULATIVE
				2019-20
MINES				
A. IRON ORE:				
Mechanised:				
Rajhara : L+F (incl Mahan)	318500	319666	100.4	3290422
Dalli : Lumps/Fines	391000	301528	77.1	3342525
Other Initiative : Lump+Fine	149000	25198	16.9	161576
Total Iron Ore	858500	646392	75.3	6794523
B. LIMESTONE:				
S.P Grade/ RMP Grade	34000	8625	25.4	252478
C. DOLOMITE :				
SMS Grade/ S.P Grade	64000	63985	100.0	763694
WORKS:				
1. COKE OVENS:				
Ovens pushed (Nos.):				
Batt. 1 - 8	379	349	92.1	352
Batt. 9 to 11	228	169	74.3	161
B.F. Coke(dry)+25 mm	277000	228925	82.6	2654222
Coke Fraction(dry)-25 mm		29167		338168
Gross coke (dry)		258092		2992390
Crude Tar	11352	9834	86.6	113129
Crude Benzol(T.)	1489	1035	69.5	14588
Ammonium Sulphate	667	808	121.1	12624
Sulphuric Acid	-	0		12459
Benzol products	1018	837	82.2	10092
Tar Products	6215	4950	79.6	84815
2. SINTERING PLANT:				
Sinter : SP-2	280000	204758	73.1	2428813
: SP-3	580000	402395	69.4	4890191
TOTAL	860000	607153	70.6	7319004
3. BLAST FURNACES:				
BF (1-7)	346000	200240	57.9	2454955
BF-8	238000	219570	92.3	2363481
Total	584000	419810	71.9	4818436
Pig iron		11040		171991
4. SLAG PROCESSING PLANT:				
Granulated Slag: SGP				
:CAST HOUSE	190500	153890	80.8	1825480
TOTAL	190500	153890	80.8	1825480
5. CRUDE STEEL:				
SMS - 1	62000	64350	103.8	978885
SMS - 2 (CAST STEEL)	262000	205250	78.3	2380766
SMS - 3	238000	131582	55.3	1137236
TOTAL	562000	401182	71.4	4496887
Eq. Sal. Pig Iron (Ingot Mould+Bottom Stool)		0		0

Pg-5

उत्पादन सारांश : मार्च-2020
PRODUCTION SUMMARY : MARCH- 2020

सेल:भि.इ.सं./पी.पी.सी.

इकाई : टन

PARTICULARS	PRODUCTION			
	A B P	ACTUAL	%	CUMULATIVE 2019-20
CONTINUOUS CASTING SHOP:				
SMS-2 : Slabs	150000	109050	72.7	1096178
SMS-2: Blooms	112000	96200	85.9	1284588
Total	262000	205250	78.3	2380766
SMS-3 : Billets	179000	69008	38.6	578560
SMS-3 : Blooms	59000	62574	106.1	558676
Total	238000	131582	55.3	1137236
BLOOMING & BILLET MILL:				
Ingots rolled	62000	63796	102.9	1156686
Blooms/NW Slabs(Reportable)		56602		1026230
Billets (Reportable)	52000	52874	101.7	928284
RAIL & STRUCTURAL MILL:				
As rolled(Hot Saw): Rails *		77509		921484
Strls./Squares		0		29
TOTAL		77509		921512
As finished: Rails &	75000	77663	103.6	884973
Strls./Squares		0		0
TOTAL	75000	77663	103.6	884973
SALEABLE STEEL :-				
R.S.M.	75000	77663	103.6	884973
URM	91000	55757	61.3	604396
Merchant products:Lt.strls.	17000	0	0.0	151445
Rds/Bars.	43000	42917	99.8	341055
TOTAL	60000	42917	71.5	492500
Wire Rods	48000	27472	57.2	335296
BRM	70000	21616	30.9	182622
Plate Mill (finished)	115000	71703	62.4	872838
Finished Production	459000	297128	64.7	3372624
Semis for sale				
Blooms	1000	526	52.6	38238
Billets	17000	3413	20.1	179981
SMS-2 : Blooms				
	5000	4647	92.9	65024
SMS-2 : Slabs				
	19000	18195	95.8	76580
SMS-3 : Blooms				
		6492		43609
SMS-3 : Billets				
	29000	13568	46.8	206991
Total Semis	71000	46841	66.0	610423
TOTAL SALEABLE STEEL	530000	343969	64.9	3983047
R. M. P. 1 :				
- Sinter dolomite		688		14016
- Calcined dolomite		3500		46870
- Lime in RK1/RK2		0		0
- Mortar & Masses		498		6164.89
R. M. P. 2 :				
- Calcined lime in R.Kiln		3724		32576
- Calcined dolomite in R.Kiln		0		3149
- Cal.Lime/Dolo flux(KILN-1&2)		4648		104564
FOUNDRY (AS PASSED)				
Iron castings	4184	1787		27456
Steel castings	314	155		1895
Non-ferrous castings	144	87		1168

* Includes Crane Rail Rolled
& Includes Crane Rail Finished

लदान सारांश : मार्च -2020
LOADING SUMMARY : MARCH 2020

इकाई : टन

PRODUCTS	ABP	Mar'20					Cumulative Apr-Mar 2019 - 20
		LOADING FOR DESPATCHES					
		External	Boria	Disposal	ITO	Total	
IRON & STEEL PRODUCTS							
PIG IRON	0	5937	0	0	0	5937	167883
INGOTS	0	0	0	0	0	0	0
SALEABLE STEEL							
SEMIS - BLOOMS	1000	60	0	1750	0	1810	43248
- BILLETS (BBM/CC)	46000	8815	1163	1609	0	11587	415556
- CC SLABS	19000	7328	0	1011	0	8339	59766
- CC BLOOMS	5000	0	1658	11669	0	13327	104264
TOTAL SEMIS	71000	16203	2821	16039	0	35063	622834
RAILS #	75000	71905	7290	0	71	79266	881535
STRLS.& SQUARES	0	0	0	0	0	0	10
TOTAL RAILS & STRLS	75000	71905	7290	0	71	79266	881545
RAILS (URM PRODUCTS)	91000	48918	653	2222	0	51793	581226
LIGHT STRUCTURALS	17000	61	0	380	51	492	153567
ROUNDS & BARS	43000	34086	0	3315	32	37433	336705
MERCHANT PRODUCTS	60000	34147	0	3695	83	37925	490271
WIRE RODS	48000	26085	0	1030	98	27213	334125
TMT BARS & RODS (BRM PRODUCTS)	70000	21433	0	0	0	21433	180162
PLATES	115000	58023	0	2931	1126	62080	842750
TOTAL SALEABLE STEEL	530000	276714	10764	25917	1377	314773	3932913
LOADING FOR EXPORT (Incl. in above)							
SEMIS	3700					0	14486
RAILS	2200					0	2530
Heavy Structural	0					0	0
MERCHANT PRODUCTS							
Light Structural						0	128
Rounds & Bars	0					0	0
SUB-TOTAL						0	128
WIRE RODS	2200					0	0
PLATES	6000					0	3074
BARS & RODS (BRM)	2800					0	0
TOTAL SALEABLE STEEL	16900					0	20218
PIG IRON	0					0	0
# Includes Crane Rails:		External	Boria	Disposal	ITO	Total	2019-20
		0	0	0	0	0	202

कच्चे माल की प्राप्ति, खपत एवं अंतरण का विवरण:- मार्च '2020
RECEIPT CONSUMPTION & STOCK POSITION OF RAW MATERIALS :- MARCH '2020

सेल: बी.एस.पी. \ पी.पी.सी.

प्रोविजनल

(इकाई: टन)

कच्चे माल / Raw Materials	प्राप्ति / Receipts		खपत एवं अंतरण / Consumption		अंतिम स्कंध / Closing Stock	
	मार्च	संचयी / Cum.	मार्च	संचयी / Cum.	मात्रा / Qty.	दिनों के लिए
COKING / BLEND. COAL :-						
प्राइम / Prime	19095	132171	21298	149647	7999	12
मीडियम / Medium	9729	175366	4124	173820	11838	89
ब्लेंडेबल / Blendable	0	0	0	0	0	
कुल स्वदेशी / TOTAL INDIGN.	28824	307537	25422	323467	19837	24
आयातित / Imported	448252	4172934	347058	4004406	187745	17
महायोग / GRAND TOTAL	477076	4480471	372480	4327873	207582	17
पावर प्लांट कोल / POWER PLANT COAL :- PBS						
PP-2			5322	120009	33328	194
			41538	421500	43872	33
योग / TOTAL:	32514	576643	46860	541509	77200	-
सी डी आई(आयातित) / COAL for CDI(IMP.)	16323	253417	35854	324459	11080	-
लोह अयस्क / IRON ORE						
बी एफ ग्रेड / BF Grade						
BF			252596	2790316		
SMS-2&3			131	4724.4		
योग / TOTAL:	287124	3216267.5	252727	2795040.4	45742	6
SMS-1 Grade:	1617	35394.3	2078	35449	2783	42
ओर फाइन्स / Ore Fines						
SP-1				0		
SP-2			144175	1698713		
SP-3			278043	3338980		
TOTAL ORE FINES	460987	4879698.98	422218	5037693	410004	30
महायोग / GRAND TOTAL	749728	8131360.78	677023	7868182.4	458529	-
लाइमस्टोन हाई सिलिका / Limestone : (High Silica)						
BF			45	6275		
SP-1				0	15164	41
SP-2			11380	185640		
SP-3			0	21170		
RMP-2			0	0		
SMS-1			0	0	0	-
कुल हाई सिलिका / TOTAL HIGH SILICA	12498	218514	11425	213085	15164	-
लाइमस्टोन लो सिलिका / Low Si. Limestone:						
RMP-1			0	0		
RMP-2&3			17764	620021		
SMS-1			2201	34232		
SP-2			21700	154812		
SP-3			12440	404147		
BF/SMS-2			0	0		
कुल लो सिलिका / TOTAL LOW SILICA	95598	1265323	54105	1213212	104538	-
डोलोमाइट हाई सिलिका / Dolomite(High Silica)						
RMP-1	10224	84164	5950	83476	6984	
SMS-1	0	0	0	153	4309	
RMP-2&3	14817	295070	16032	124432	31646	
SMS-2	0		7	75	8404	
TOTAL SMS\RMP GR.	25041	382086	21989	208136	51343	-
एस पी ग्रेड / SP Grade (हाई सिलिका / High Silica)						
SP-1			0	0		
SP-2			3715	92135		
SP-3			43841	518346		
TOTAL SP GR.	54949	549526	47556	610481	33858	
कुल हाई सिलिका / TOTAL HIGH SILICA	79990	931612	69545	818617	85201	-
लो सिलिका डोलोमाइट / Low Si. Dolomite :						
RMP-1	1180	35643	1816	37892	1344	
OHP/SP-1,2&3	5404	69131	5798	77522	2482	-
कुल लो सिलिका / TOTAL LOW SILICA	6584	104774	7614	115414	3826	-
मैंगनीज ओर / Manganese Ore						
फेरो मैंगनीज / Ferro Manganese	2391	2391	1903	3234	2729	
फेरो सिलिकॉन / Ferro Silicon	1228	11984	1042	17090	2792	83
सिलिको मैंगनीज / Silico Manganese	478	7056	317	4460	1057	-
सल्फर / Sulphur	11524	63861	3801	45506	5959	-
	757	6976	0	4556	3275	-

अयस्क प्रहस्तन संयंत्र :- मार्च '2020
ORE HANDLING PLANT :- MARCH '2020

सेल: बी.एस.पी. \ पी.पी.सी.

(इकाई: टन)

क्रम संख्या Sl. No.	विवरण / PARTICULARS	मार्च	संचयी / Cum. (2019-20)
1.	<u>ओ एच पी में अनलोडिंग / UNLOADING AT O.H.P.</u> ओर फाइनस / Ore Fines लाइमस्टोन हाई सिलिका / Limestone (High Silica) लाइमस्टोन लो सिलिका / Limestone (Low Silica) डोलोमाईट हाई सिलिका / Dolomite(High Silica) डोलोमाईट लो सिलिका / Dolomite(Low Silica) मैंगनीज़ ओर / Manganese Ore लौह अयस्क / Iron Ore अदर मटेरिअल्स / Other Materials	460986 12498 109994 77988 5404 2391 169185 0	4886104 215699 1284635 864469 72028 2396 1744263 9226
	TOTAL MATERIAL UNLOADING:	838446	9078819
2.	<u>ओ एच पी से प्रेषण / DESPATCHES FROM O.H.P.</u>		
(a)	<u>सिंट्रिंग प्लांट- 1 को / To (BRP)/T&D/RMP-1/D.S.P.</u> लाइमस्टोन लो सिलिका / Limestone (Low Silica) डोलोमाईट हाई सिलिका / Dolomite(High Silica) लाइमस्टोन हाई सिलिका / Limestone (High Silica) अदर मटेरिअल्स / Other Materials	0 0 0 0	0 0 0 0
	TOTAL	0	0
(a)	<u>सिंट्रिंग प्लांट- 2 को / To Sintering Plant-2</u> ओर फाइनस / Ore Fines -10 mm Iron Ore लाइमस्टोन हाई सिलिका / Limestone (High Silica) लाइमस्टोन लो सिलिका / Limestone (Low Silica) डोलोमाईट हाई सिलिका / Dolomite(High Silica) डोलोमाईट लो सिलिका / Dolomite(Low Silica) अदर मटेरिअल्स / Other Materials	141700 0 16900 21880 9440 4670 0	1580676 0 185285 161250 96350 72175 0
	TOTAL TO SP-2:	194590	2095736
(b)	<u>आर एम पी - 2 & 3 को / To Refr.Mat.Plant-2 & 3</u> लाइमस्टोन लो सिलिका / Limestone (Low Silica) डोलोमाईट लो सिलिका / Dolomite(Low Silica) डोलोमाईट हाई सिलिका / Dolomite(High Silica) लाइमस्टोन हाई सिलिका / Limestone (High Silica)	79960 0 19060 0	730665 0 149830 0
	TOTAL TO RMP-2&3 :	99020	880495
(c)	<u>सिंट्रिंग प्लांट- 3 को / To Sintering Plant-3</u> ओर फाइनस / Ore Fines लाइमस्टोन हाई सिलिका / Limestone (High Silica) डोलोमाईट हाई सिलिका / Dolomite(High Silica) लाइमस्टोन लो सिलिका / Limestone (Low Silica) अदर मटेरिअल्स / Other Materials	292920 0 55860 13080 0	3205332 21170 558441 413940 1590
	TOTAL TO SP-3:	361860	4200473
(d)	<u>एस एम एस - 2 को / To S.M.S. - 2</u> मैंगनीज़ ओर / Manganese Ore डोलोमाईट हाई सिलिका/लाइमस्टोन / Dolomite(High Silica)/Limestone लौह अयस्क / Iron Ore	0 0 155 0	0 100 3660 0
	TOTAL TO SMS-2:	155	3760
(e)	<u>ब्लास्ट फर्नेस को / To Blast Furnace</u> लौह अयस्क / Iron Ore मैंगनीज़ ओर / Manganese Ore अदर मटेरिअल्स / Other Materials	155980 2485 2135	1708405 4570 16066
	TOTAL TO BF:	160600	1729041
	TOTAL MATERIAL DESPATCHED :	816225	8909505
	TOTAL MATERIAL HANDLED :	1654671	17988324

खदान का निष्पादन : मार्च-2020
PERFORMANCE OF MINES : MARCH -2020

सेल: भि.इ.सं. / पी.पी.सी.

इकाई : टन

PARTICULARS	MAR '20			CUM.2019-20			2018-19 APR-MAR
	ABP	ACTUAL	% FUL.	ABP	ACTUAL	% FUL.	
IRON ORE PRODUCTION:							
RAJHARA (C&S PLANT) :							
BF Grade	125400	95900	76.5	1381000	980401	71.0	1003680
OH Grade	2000	51146	-	39000	387885	-	545177
Total(Lumps)	127400	147046	115.4	1420000	1368286	96.4	1548857
Ore Fines	191100	172620	90.3	2130000	1922136	90.2	1971850
TOTAL	318500	319666	100.4	3550000	3290422	92.7	3520707
DALLI (C&S PLANT) :							
Lumps	188000	158288	84.2	1992000	1779415	89.3	1483141
Fines	203000	143240	70.6	2158000	1563110	72.4	1886651
TOTAL	391000	301528	77.1	4150000	3342525	80.5	3369792
CONTRACTUAL CRUSHING:							
LUMPS & FINES	149000	25198	16.9	1048000	161576	15.4	0
TOTAL IRON ORE :							
RAJHARA (C&S PLANT) :	318500	319666	100.4	3550000	3290422	92.7	3520707
DALLI (C&S PLANT) :	391000	301528	77.1	4150000	3342525	80.5	3369792
Contractual Crushing :	149000	25198	16.9	1048000	161576	15.4	0
TOTAL IRON ORE :	858500	646392	75.3	8748000	6794523	77.7	6890499
LIMESTONE(MECH.)							
SP GRADE	34000	8625	25.4	367000	252478	68.8	323485
RMP-II GRADE (WASHING PLANT)	0	0	-	0	0	-	0
TOTAL	34000	8625	25.4	367000	252478	68.8	323485
DOLOMITE:							
-RMP-2	14000	21736	155.3	150100	262637	175.0	6972
-SMS Grade (10-25 mm)		0			0	0	
-SP Grade	50000	42249	84.5	550000	501057	91.1	343315
TOTAL	64000	63985	100.0	700100	763694	109.1	350287
WAGON POSITION AT MINES:BOBS WAGONS (NO.) :							
	<u>INDENT</u>		<u>SUPPLY</u>		<u>DESPATCHES</u>		
IRON ORE	9616		9616		9616		
LIMESTONE	261		216		216		
DOLOMITE	1003		1003		1003		
QUALITY OF RAW MATERIALS							
PARTICULARS			% CONSTITUENT				
			Fe	SiO2	Al2O3	P	-10mm
IRON ORE							
BF GRADE:	RAJHARA		63.90	4.39	1.53	0.000	12.90
	DALLI		0.00	0.00	0.00	0.000	0.00
	OVERALL		-	-	-	0.060	-
O.H. GRADE:							
RAJHARA		0.00	-	-	-	-	
						-3mm	-1mm
ORE FINES:							
RAJHARA		59.76	7.23	4.07	69.69	0.00	
DALLI		62.08	6.05	3.04	57.60	0.00	
OVERALL:		60.89	6.65	3.57	63.79	0.00	
LIMESTONE :			% CONSTITUENT				
			CaO	MgO	SiO2		
SP GRADE		43.26	6.05	5.66			
SMS GRADE							
DOLOMITE :			RMP GRADE	28.45	18.40	5.78	
			SP GRADE	30.40	19.85	2.67	

खदान का निष्पादन : मार्च-2020
PERFORMANCE OF MINES : MARCH -2020

सेल: भि.इ.सं. / पी.पी.सी

इकाई : टन

PARTICULARS	MAR '20			CUM.2019-20			2018-19
	ABP	ACTUAL	% FUL.	ABP	ACTUAL	% FUL.	APR-MAR
DESPATCHES TO WORKS:							
IRON ORE							
LUMPS :Rajh.Mech.	108000	104104	96.4	1223000	1047850	85.7	1186809
:Dalli-Mech.	188000	153852	81.8	1993000	1788087	89.7	1694267
Contractual Crushing	51000	36241	71.1	150000	408928	272.6	405466
TOTAL:	347000	294197	84.8	3366000	3244865	96.4	3286542
TO OUT SIDE:							
RAJH. MECH.BF/ OH-Grade	0	0	-	0	0	-	
DALLI MECH.BF GR.	0	0	-	0	0	-	
TOTAL:	0	0	-	0	0	-	6986
TOTAL LUMPS INCLD.OUTSIDE DESP.	347000	294197	84.8	3366000	3244865	96.4	3293528
FINES :Rajh.Mech.							
:Dalli Mech.	191100	145199	76.0	2130000	1863681	87.5	1969848
Contractual Crushing (incl. Slime)	203000	138200	68.1	2158000	1595218	73.9	1846753
TOTAL FINES	146000	48690	33.3	1398000	355734	25.4	0
TOTAL FINES	540100	332089	61.5	5686000	3814633	67.1	3816601
GRAND TOTAL:	887100	626286	70.6	9052000	7059498	78.0	7110129
LIMESTONE:							
SP GRADE	34000	12498	36.8	367000	212984	58.0	321683
RMP-II GRADE (WASHING PLANT)	0	0	-	0	0	-	0
TOTAL LIMESTONE	34000	12498	36.8	367000	212984	58.0	321683
DOLOMITE							
:RMP-2		21736			262637		6972
:SMS GRADE	14000	0		150100	0		0
TOTAL SMS/RMP		21736	155.3		262637	175.0	6972
:SP GRADE	50000	44793	89.6	550000	509342	92.6	344014
TOTAL DOLOMITE	64000	66529	104.0	700100	771979	110.3	350986
CLOSING STOCK AT MECH.BAY(T)							
				<u>AS ON 31.3.20</u>			
				LUMPS	FINES/ CHIPS	TOTAL	
1. IRON ORE							
RAJHARA				13282	58118	71400	
DALLI				23265	84447	107712	
TOTAL:				36547	142565	179112	
2. LIMESTONE							
SP GRADE						53363	
WASHING CHIPS						0	
3. DOLOMITE:						2336	

कोक ओवन एवं उपोत्पाद संयंत्र : मार्च 2020
COKE OVEN & BYE PRODUCTS PLANT :MAR - 2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	UNIT	FOR THE MONTH			CUMULATIVE								
		B1-8	B9-11	B1-11 EQ. PUSHING	B1-8	B9-11		B1-11 EQ. PUSHING					
Oven Pushed	Nos.	10825	5254	20308	128780	59111		235475					
Avg./day	Nos	349	169	655	352	162		643					
(+)25 mm Coke	(Wet) Tonne	126574	109426	236000	1509338	1233404		2742742					
	(Dry) Tonne	122039	106886	228925	1451627	1202595		2654222					
(-)25 mm Coke	(Wet) Tonne	17669	14535	32204	210169	163544		373712					
	(Dry) Tonne	15549	13618	29167	184948	153220		338169					
Gross Coke	(Wet) Tonne	144243	123961	268204	1719506	1396948		3116454					
	(Dry) Tonne	137588	120504	258092	1636575	1355815		2992390					
Coke Oven Gas Make	103M3			109206				1245600					
Crude Benzol	Tonne			1035				14588					
Crude Tar	Tonne			9834				113129					
Ammonium Sulphate	Tonne			808				12624					
Sulphuric Acid	Tonne			0				12459					
Benzol Products	Tonne			837				10092					
Total Tar Products	Tonne			4950				84815					
SCREENING OF COKE AT BFs:													
Gene.of (-)25 mm at BF	Tonne			19590				232784					
Cons of Skip coke at BFs.	Tonne			201213				2365494					
% SCREENING OF COKE				8.87				8.96					
DRY CHARGE.PER OVEN													
B 1-8				16.70				16.70					
B 9&11				30.14				30.14					
COAL BLEND COMPOSITION													
B 1-8	5.1	0.0	0.0	94.9	100.0	3.5	3.9	0.0	92.6	100.0			
B 9&11	6.5	2.4	0.0	91.2	100.0	3.5	4.4	0.0	92.1	100.0			
OVERALL	5.7	1.1	0.0	93.2	100.0	3.5	4.1	0.0	92.4	100.0			
BATTERY WISE OVEN PUSHING													
	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B 1-8	B-9	B-10	B-11	B 9-11
MONTH	2238	---	1908	2196	2218	2265	---	---	10825	2535	---	2719	5254
CUM.	23490	0	23345	22483	24849	23371	0	11242	128780	28234	0	30877	59111

कोक ओवन एवं उपोत्पाद संयंत्र : मार्च 2020
COKE OVEN & BYE PRODUCTS PLANT :MAR - 2020

सेल:बी.एस.पी./पी.पी.सी.

PARTICULARS	UNIT	MAR	Cum.	PLAN
CONS.OF COAL WET PER TONNE OF +25 MM COKE DRY				
-PRIME:	Kg.	93	57	-
-IMPORTED	Kg.	1516	1506	-
-MEDIUM	Kg.	18	67	-
-BLENDABLE	Kg.	0	0	-
TOTAL	Kg.	1627	1631	-
SERVICES:				
-HEAT	103 Kcal.	982	990	-
-ELECTRICITY	Kwh.	59.7	59.7	
-COMPRESSED AIR	Cu.m.	20.5	35.6	
-STEAM	Kg.	463.2	517.7	
-RAIL TRANSPORT	Loco.Mts.	1.2	1.4	
HEAT CONSUMPTION PER TDC	103 Kcal.	663	668	
CONSUMPTION OF CO GAS AT COKE OVENS (AS % OF CO GAS MAKE)	%	15.1	11.1	
				-
YIELD FROM DRY CHARGE				
-Gross Coke (Dry)	%	76.10	76.10	76.1
-BF Coke (Dry)	%	67.5	67.5	67.5
-Crude Benzol : Gravimetric	%	0.73	0.73	0.73
-Coke Oven Gas	M3	324	318	
-Ammonium Sulphate	%	1.03	1.03	1.02
-Crude Tar	%	2.90	2.88	3.00
YIELD FROM CRUDE PROCESSED				
-Benzol Products (Gravimetric)(T)	%	83.45	81.68	82.0
-Tar products	%	97.00	97.00	97.0
COKING PERIOD :				
BATTERY NO.	Coking Period (Hrs.) Average		BATTERYWISE PUSHING (No.)	
BATT - 1.	21.61		2238	
BATT - 2.	---		---	
BATT - 3.	25.35		1908	
BATT - 4.	22.02		2196	
BATT - 5.	21.80		2218	
BATT - 6.	21.35		2265	
BATT - 7.	---		---	
BATT - 8.	---		---	
BATTERY(1-8)	26.80		10825	
BATTERY(9-11)	18.98		5254	

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SAIL : BSP/PPC

(इकाई: टन)

CONSUMPTION OF VARIOUS PRODUCTS	SULPHURIC ACID PLANT		BENZOL RECOVERY PLANT		BENZOL RECTIFICATION PLANT		TAR . DISTILATION PLANT		AMMONIUM SULPHATE PLANT	
SULPHUR	0		-		-		-		-	
SULPHURIC ACID	-		-		92		-		652	
WASH OIL	-		41		-		-		-	
CRUDE BENZOL(T.)	-		-		1003		-		-	
COAL TAR	-		-		-		4941		-	
CAUSTIC SODA	-		-		17		0		-	
SODA ASH	-		-		-		1		-	
DAYS WORKED (NOS.)	0		22/30		19		15/18/0		0/31	
CHEM.ANALYSIS(%)	MOISTURE	ASH	V.M.	F.C.	B.D.	% S	% P			
COAL CHARGE.CPP AVG.	9.2	10.3	23.9	64.7	0.801	0.58	0.055			
CPPII AVG.	9.1	11.1	23.8	64.1	0.828	0.60	0.059			
OVERALL:	9.2	10.7	23.9	64.4		0.59	0.057			
COKE										
CSP-I AVG.	3.5	13.7	0.9	84.9		0.57	0.072			
CSP-II AVG.	3.7	14.7	0.9	84.0		0.58	0.078			
CSP-III AVG.	4.4	14.9	0.9	83.7		0.56	0.079			
CSP-IV AVG.	0.3	13.7	0.9	85.0		0.57				
OVERALL:	3.0	14.3	0.9	84.4		0.57	0.076			
ANALYSIS OF GASES										
	DENSITY kg/m3	CAL.VAL. kcal/m3	O2 %	H2 %	CO %	CO2 %	N2 %	CH4 %	CmHn %	
BLAST FURNACE GAS	1.3373	821	0.2	3.4	24.2	17.4	54.8	0.0	0.0	
COKE OVEN GAS	0.4638	4328	0.5	58.2	7.8	2.3	3.4	25.3	2.5	
BLEND CRUSHING(%)		-3.2 mm	+6 mm							
	CPP-I	81.6	8.5							
	CPP II	81.5	8.8							
ANALYSIS OF COKE SCREENING (%)	+100 mm	80-100 mm	60-80 mm	40-60 mm	25-40 mm	10-25 mm	-10 mm	Total		
CSP - I	3.2	12.6	20.0	41.0	15.9	4.5	2.7	100		
CSP - II	2.7	12.5	20.0	42.0	15.2	5.0	2.7	100		
CSP - III	1.5	10.1	19.5	42.1	20.3	4.1	2.5	100		
HARDNESS OF COKE	MICUM VALUE (%)				STRENGTH OF COKE(%)					
			+40 mm	-10 mm			CRI	CSR		
CSP -I			79.8	7.9			23.3	65.2		
CSP-II			78.6	8.4			23.3	64.9		
CSP-III			79.8	8.1			23.2	64.8		
CSP-IV			84.8	7.4			22.9	66.0		
COKE ASH ANALYSIS-%	SiO2	Al2O3	Fe2O3	CaO	Fe	MgO	SO3	P2O5	TiO2	
	55.60	28.50	6.60	2.60	4.62	1.00	0.40	1.20	1.60	

PERFORMANCE OF P.B.C.C. UNIT :

MAR 2019-20

PARTICULARS		FEB 2019-20	MAR 2019-20
PRODUCTION OF BRIQUETTE		17525	18675
PITCH CONSUMPTION		719	766
COAL QUALITY:	% MOISTURE	9.1	9.2
	-3.2 MM	81.2	81.6
	+6 MM	9.1	8.7
	+10 MM	0.0	0.0

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(इकाई: टन)

PRODUCTS	UNIT	OPENING BALANCE	PRODUCTION	REPROCESSING	CONSUMPTION	TRANSFER	LOADED FOR DESP.	CLOSING BALANCE
DIRECT BYE PRODUCTS:								
Crude Tar	T	2482	9834	69	4941	1280	527	5637
Ammonium Sulphate	T	587	808	0	0	0	240	1155
Light Crude Benzol	T	300	925	0	1003	0	0	222
Heavy Crude Benzol	T	17	110	0	0	69	29	29
Sulphuric Acid	T	2393	0	0	744	24	0	1625
BENZOL PRODUCTS:								
-N.G.Benzene	T	444	597	0	0	0	239	802
-N.G. Toluene	T	76	101	0	0	0	22	155
-CS2	T	18	30	0	18	0	0	30
-Xylene	T	25	19	0	0	0	20	24
-Solvent Oil	T	32	14	0	0	0	40	6
-Still Bottom	T	17	76	0	0	0	19	74
TOTAL BENZOL PRODUCTS	T	612	837	0	18	0	340	1091
INTERMEDIATE FRACTION								
INTERMEDIATE FRACTION	T	278	0	0	0	0	0	278
TAR PRODUCTS:								
Pitch	T	220	780	0	0	320	486	194
Naphthalene	T	6.85	93	0	0	0	81	18.85
Heavy Creosote Oil	T	0	0	0	0	0	0	0
Light Creosote Oil	T	0	0	0	0	0	0	0
Pitch Creosote Mixture	T	710	3780	0	0	3141	364	985
Road Tar No.3	T	41	30	0	0	45	0	26
Crude Anthracene	T	0	0	0	0	0	0	0
Dephenolised Oil	T	0	0	0	0	0	0	0
NAPHTHALENE OIL FRACTION	T	0	100	0	0	0	100	0
Wash Oil	T	0	0	0	0	0	0	0
Drained Naph. Oil	T	0	0	0	0	0	0	0
Light Oil	T	0	10	0	0	0	10	0
Anthracene Oil	T	8	0	0	0	0	0	8
TOTAL		986	4793	0	0	3506	1041	1232
Tar Sludge	T	2	69	0	0	0	69	2
Steamed out Naph.	T	23	13	0	0	0	30	6
Spillage Naph.	T	1	0	0	0	0	0	1
Contami.Steamed Out Naph.	T	0	0	0	0	0	0	0
Tarry Sludge	T	11	10	0	0	0	9	12
Skimmed Oil	T	0	0	0	0	0	0	0
Spillage Pitch Cont.	T	5	0	0	0	0	0	5
Acid Tar Sludge	T	12	65	0	0	15	46	16
Spent SolventOil-I	T	0	0	0	0	0	0	0
Spent SolventOil-II	T	0	0	0	0	0	0	0
Flushed out Nephthelene	T	0	0	0	0	0	0	0
TOTAL TAR PRODUCTS:	T	1040	4950	0	0	3521	1195	1274

सिंटरिंग प्लांट - II : मार्च- 2020
SINTERING PLANT- II : MARCH - 2020

सेल: भि.इ.सं. / पी.पी.सी.		MACHINE NUMBERS				FOR THE MONTH
PARTICULARS	UNIT	1	2	3	4	
Production of Sinter	Tonne					204758
Total calendar time	M/C Hr.	744.0	744.0	744.0	744.0	2976.0
PLANNED STOPPAGE: Sch.maintenance	M/C Hr.	8.0	120.0	51.0	2.0	181.0
Capital Repairs	M/C Hr.	0.0	0.0	0.0	0.0	0.0
Machine time available	M/C Hr.	736.0	624.0	693.0	742.0	2795.0
Actual working time	M/C Hr.	604.6	550.4	569.9	663.1	2388.0
DELAYS:						
Operational	M/C Hr.	10.0	14.0	9.4	9.9	43.3
Mechanical	M/C Hr.	31.6	38.3	62.8	17.3	150.0
Pallet defects	M/C Hr.	2.5	3.0	5.0	6.5	17.0
S.B.S.	M/C Hr.	0.0	0.0	0.0	0.0	0.0
Electrical	M/C Hr.	4.5	4.2	2.2	2.2	13.0
Transfer Car	M/C Hr.	59.0	2.8	27.0	28.3	117.0
Low Gas	M/C Hr.	0.0	0.0	0.0	0.0	0.0
Raw Materials	M/C Hr.	15.3	1.5	9.8	2.3	28.8
Grate Bar Changing	M/C Hr.	0.3	0.8	0.3	0.9	2.2
JH-44	M/C Hr.	3.8	3.8	3.5	3.8	15.0
Power	M/C Hr.	1.0	1.0	1.0	1.0	4.0
Other	M/C Hr.	3.5	4.3	2.2	6.8	16.8
TOTAL DELAYS:	M/C Hr.	131.4	73.6	123.1	78.9	407.0
TOTAL STOPPAGE:	M/C Hr.	139.4	193.6	174.1	80.9	588.0
Avg.delays per available m/c day	M/C Hr.	4.29	2.83	4.26	2.55	3.49
Avg.Production Per machine hr.worked	Tonne					85.7
Productivity	T/M2/Ut.Hr.					1.125
Avg.Production Per available day	Tonne					7033
ANALYSIS	%	SINTER	ORE FINES	L.STONE-N	L.STONE-K	RAW DOLO.
Fe	%	51.63	60.88	-	-	-
FeO	%	9.41	0.0	-	-	-
Al2O3	%	2.43	3.48	-	-	-
Fe2O3	%	-	0.0	-	-	-
SiO2	%	7.45	6.31	-	-	-
CaO	%	13.73	0.00	-	-	-
MgO	%	2.77	0.00	-	-	-
CaO-SiO2	%	6.28	-	-	-	-
Basicity	%	1.67	-	-	-	-
Loss on ignition	%	-	-	-	-	-
Moisture	%	-	7.50	-	-	-
RAW MATERIALS		TOTAL CONSUMP.(T)		SPC. (Kg/T)		PLAN (Kg/T)
Iron Ore Fines		135237		660		710
Under size of fines from BFcs.		8938		44		
ESP Dust		2663		13		
Sinter Return(From BFcs)		48296		236		
Mill Scale		2453		12		10
Limestone-Nandini		11380		56		120
Limestone:-Kuteshwar - JSM -IMP		21700		106		
LD Slag		1088		5		
Dolomite:Lumps/Chips		9513		46		100
Lime Dust		176		1		
Jhama Coal		0		0		
Coke Breeze (Wet)		14393		70		68
Coke Breeze (Dry)		12622		62		
RMP Arisings		1500		7		
Sinter Return from process		19355		95		
TOTAL :		276692				
CONSUMPTION OF SERVICES:		UNIT		ACTUAL		PLAN
Heat		103Kcal		46.1		37.5
Electricity		Kwh		41.4		34.5
Rail Transport		Loco mts.		0.34		
Steam		Kg/T		1.91		1.7
OPERATIONAL CHARACTERISTICS:				ACTUAL		PLAN
Yield of Sinter(%)	Sinter Prodn.to total input (%)			74.0		72
	Skip Sinter to total input (%)			55.8		
	Process Sinter return to T.input(%)			7.0		8.5

सिंटरींग प्लांट - III : मार्च - 2020
SINTERING PLANT- III : MARCH - 2020

सेल: भि.इ.सं. / पी.पी.सी.

PARTICULARS		UNIT	FOR THE MONTH	
Production of Sinter		Tonne	402395	
Total calendar time		M/C Hr.	1488.0	
Planned Stoppage	(a) Sch.maintenance	M/C Hr.	45.4	
	(b) Capital Repairs	M/C Hr.	0.0	
Total Planned Stoppage (a+b)		M/C Hr.	45.4	
Machine time available		M/C Hr.	1442.6	
Machine Availability (w.r.t Cal.Hrs.)		%	96.9	
Actual working time		M/C Hr.	1128.0	
Machine Utilisation (w.r.t Avl.Hrs.)		%	78.2	
DELAYS:				
Operation		M/C Hr.	0.0	
Mechanical		M/C Hr.	154.9	
Electrical		M/C Hr.	3.8	
Other		M/C Hr.	155.9	
TOTAL DELAYS:		M/C Hr.	314.6	
TOTAL STOPPAGE		M/C Hr.	360.0	
Avg.delays per available machine day		M/C Hr.	5.2	
Avg.PRODUCTION:	Per machine hr.worked	Tonne	356.7	
	Per available day	Tonne	6695	
Productivity		T/M2/Ut.hr.	1.049	
ANALYSIS (%)	SINTER	ORE FINES	Flux	
Fe	52.96	61.22	-	
FeO	9.44	-	-	
Al2O3	2.11	3.37	1.56	
SiO2	7.17	5.94	3.49	
CaO	12.70	-	40.08	
MgO	2.60	-	9.18	
CaO-SiO2	5.53	-	-	
Basicity	1.78	-	-	
Loss on ignition	-	2.81	41.44	
Consumption of Raw Materials		TOTAL CONSUM.(T)	SPCF (Kg/T)	PLAN (Kg/T)
Iron Ore Fines		278043	691	710
Under size of fines from BF's.		0	0	
ESP Dust		2814	7	-
Sinter Return(From BF's)		92880	231	-
Mill Scale		7720	19	20
Limestone- Nandini		0	0	88
Limestone:-Kuteshwar - JSM -IMP		12440	31	
RMP Arising		29060	72	-
Dolomite:Lumps/Chips		44060	109	96
Lime Dust		6089	15	20
Jhama Coal		0	0	-
Coke Breeze - Wet		27228	68	69
Dry		23280	58	
Sinter Return from process		46326		
TOTAL MATERIAL INPUT:		551090		
CONSUMPTION OF SERVICES:		UNIT	SPECIFIC	PLAN
Heat		M Cal/T	22.4	18
Electricity		Kwh/T	61.2	58.7
OPERATIONAL CHARACTERISTICS (%):		ACTUAL		PLAN
-Sinter Prod'n.to total input (%)		73.0		75.0
-Skip sinter to total input (%)		55.1		
-Sinter return (from process) to total input (%)		8.4		8.0
Crushing below 3 mm:	i) Flux	88.0		
	ii) Coke	87.5		
Drum Index (+6.3 mm)		82.2		

संचयी आंकड़े : सिंटरिंग प्लांट : 2 & 3 अप्रैल-मार्च - 2019-20
CUMULATIVE DATA : SINTERING PLANT : 2 & 3 APR - MARCH - 2019-20

सेल: भि.इ.सं. / पी.पी.सी.

S.No.	PARTICULARS	UNIT	SP-2	SP-3	TOTAL
1.	SINTER PRODUCTION	TONNE	2428813	4890191	7319004
2.	CONSUMPTION OF RAW MATERIALS:				
	Iron Ore Fines	TONNE	1697173	3346242	5043415
	Mill Scale	TONNE	30067	82388	112455
	ESP Dust	TONNE	31580	12128	43708
	Return Sinter(From BFcs.)	TONNE	598129	1118581	1716710
	Limestone - HS	TONNE	185640	21170	206810
	Limestone- Low Si	TONNE	160355	396905	557260
	LIME	TONNE	0	0	0
	Lime -Dust (from RMP-1/RMP-2)	TONNE	603	59037	59640
	Dolomite: Lumps/Chips	TONNE	166875	517388	684263
	Dust	TONNE			0
	Jhama/Anthracite Coal	TONNE			0
	Coke Breeze(Dry)	TONNE	143110	287335.55	430445
	Coke Breeze(Wet)	TONNE	162827	331248	494075
	Return Sinter -Process	TONNE	239227	697748	936975
	L.D. Slag/Magnetic Material	TONNE	2071	21420	23491
	RMP Arisings	TONNE	32955	177705	210660
	Total Material Input	TONNE	3307502	6781960	10089462
3.	CONSUMPTION RATE OF RAW MATERIALS				
	Iron Ore Fines	Kg./T	698.8	684.3	689.1
	Mill Scale	Kg./T	12.4	16.8	15.4
	ESP Dust	Kg./T	13.0	2.5	6.0
	Return Sinter(From BFcs.)	Kg./T	246.3	228.7	234.6
	Limestone - HS	Kg./T	76.4	4.3	28.3
	Limestone- Low Si	Kg./T	66.0	81.2	76.1
	LIME	Kg./T	0.2	12.1	8.1
	Dolomite: Lumps/Chips	Kg./T	68.7	105.8	93.5
	Dust	Kg./T	0.0	0.0	0.0
	Jhama/Anthracite Coal	Kg./T	0.0	0.0	0.0
	Coke Breeze (Dry)	Kg./T	58.9	58.8	58.8
	Sinter Return from process	Kg./T	98.5	142.7	128.0
	L.D. Slag	Kg./T	0.9	4.4	3.2
	RMP Arisings	Kg./T	13.6	36.3	28.8
4.	CONSUMPTION RATE OF SERVICES				
	Heat	M Cal/T	44.3	20.5	28.4
	Electricity	Kwh/T	41.9	61.6	55.1
	Steam	Kg/t	2.24	0.81	1.29
	Compressed Air	M3/T	2.96	-	
	Rail Transport	Mts.	0.38	0.09	
5.	YIELD OF SINTER				
	Sinter prodn. from Total Mat.Input	%	73.4	72.1	72.5
	Skip Sinter from Total Mat.Input	%	54.2	53.2	53.5
6.	PROCESS SINTER RETURN TO TOTAL INPUT	%	7.2	10.3	9.3
7.	CALENDAR HRS	Hrs.	35136	17568	
8.	CAPITAL REPAIRS & PLANNED REPAIRS	Hrs.	1613	884	
9.	AVAILABLE HRS. (7-8)	Hrs.	33523	16684	
10.	RUNNING HRS. (9-11)	Hrs.	28180	13640	
11.	TOTAL DELAYS	Hrs.	5343	3044	

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020
HOT METAL PRODUCTION & DISTRIBUTION IN DIFFERENT SILICON RANGE

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

FCE. NO.	GRADE	PRODN. OF HOT METAL.	HOT METAL DISTRIBUTION					COLD PIG PRODN.
			SMS-1	SMS-2	SMS-3	FDY. SHOP	PIG CAST-ING	
1.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	50663	32703	13496	1387	149	2928	0
4.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	0	0	0	0	0	0	-
5.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	0	0	0	0	0	0	-
6.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	60042	0	58286	284	605	867	0
7.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	89535	0	87252	342	304	1637	0
TOTAL FOR THE MONTH - BF- 1 to 7								
	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	GRAND TOTAL :	200240	32703	159034	2013	1058	5432	0
8.	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	TOTAL :	219184	30518	57941	123565	674	6486	0
TOTAL FOR THE MONTH - BF- 1 to 8								
	a) Basic Grade	0	0	0	0	0	0	-
	b) Foundry Grade	0	0	0	0	0	0	-
	c) Off Grade	0	0	0	0	0	0	-
	d) Mixed Grade	0	0	0	0	0	0	-
	GRAND TOTAL :	419810	63221	216975	125578	1732	11918	0

According to mail sent with the approval of GM I/c (BFs) on 16/05/2019. Presently, Blast Furnaces produces the single grade hot metal which is further

* Incl. Hot Metal Loss 386T (on 02.03.2020)

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	UNIT	FURNACE NUMBER										
		1	4	5	6	7	1-7	8	1-8			
PRODUCTION BASED ON SILICON CONTENT												
Basic Grade	%	100.0	-	-	100.0	100.0	100.0	100.0	100.0	100.0		
Foundry Grade	%	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0		
Off Grade	%	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0		
Mixed Grade	%	0.0	-	-	0.0	0.0	0.0	0.0	0.0	0.0		
GRADEWISE PRODUCTION OF HOT METAL AND DISTRIBUTION												
GRADES	PRODUCTION OF HOT METAL *		HOT METAL SUPPLY									
	TONNE	%	SMS - 1		SMS -2		SMS -3		PCM		FOUNDRY	
			TONNE	%	TONNE	%	TONNE	%	TONNE	%	TONNE	%
HM STD 'B'	-	-	-	-	-	-	-	-	-	-	0	-
HM SPL 'B'	-	-	-	-	-	-	-	-	-	-	0	-
LM STD 'B'	-	-	-	-	-	-	-	-	-	-	0	-
LM SPL 'B'	-	-	-	-	-	-	-	-	-	-	0	-
OFF GRADE	-	-	-	-	-	-	-	-	-	-	0	-
MIXED GRADE	-	-	-	-	-	-	-	-	-	-	0	-
FDY. GRADE	-	-	-	-	-	-	-	-	-	-	0	-
T O T A L :	419810	100.0	63221	100.0	216975	100.0	125578	100.0	11918	100	1732	100.0
PRODUCTION / LOADING/STOCK OF PIG IRON												
GRADE	HOT METAL SENT TO PCM	PROD.	COLD PIG IRON					TOTAL				
			LOADING									
			HOME SALE		FDY/BF/SM S-1,2&3	ITO/ST. YARD IPTO	EXPORT					
BY RAIL	BY ROAD											
Mixed Gr.	11918	11040	0	5937	0	0	0	5937				
PIG IRON STOCK POSITION												
OPENING BALANCE	PRODN.	RECOVERED BP CHIPS	DESP. ITO	HANDLING LOSS	VERIFICATION	CLOSING STOCK						
17319.42	11040	0	5937	0	0.00	22422.42						

According to mail sent with the approval of GM I/c (BFs) on 16/05/2019. Presently, Blast Furnaces produces the single grade hot metal which is further

* Incl. Hot Metal Loss 386T (on 02.03.2020)

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020
RANGE OF SULPHUR CONTENT IN CASTS TAPPED FROM BF_s

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

FURNACE NO.	CASTS	RANGE OF SULPHUR CONTENT					TOTAL CASTS ANALYSED
		UPTO 0.029	0.030 TO 0.039	0.040 TO 0.049	0.050 TO 0.059	0.060 & ABOVE	
1	No.	153	49	19	5	1	227
	%	67.4	21.6	8.4	2.2	0.4	100.0
4	No.						0
	%						
5	No.						0
	%						-
6	No.	128	29	15	2	0	174
	%	73.6	16.7	8.6	1.1	-	100.0
7	No.	142	33	31	7	2	215
	%	66.0	15.3	14.4	3.3	0.9	100.0
8	No.	281	33	17	3	0	334
	%	84.1	9.9	5.1	0.9	0.0	100.0
OVERALL 1 to 8	No.	704	144	82	17	3	950
	%	74.1	15.2	8.6	1.8	0.3	100.0

TAP HOLE MASS SHOP

PRODUCTION (T):

Mudgun clay	175.0
Mudgun clay with SIC	0.0
Runner Mass	137.0
Anhydrous Mass	0.0
Frame Mass	8.0
Total	320.0
Trough Mass (RMP-2)	114.0
Trough Mass (THMS)	0.0
Anhydrous Mass (BRL/BRP)	118.4

CONS.OF RAW MATERIALS (T):

Coke Powder	257.3
Plastic Fireclay	14.0
Grog	0.0
Pitch	3.5
Silicon Carbide	1.5
Plastic Fireclay (Lohia)	0.0
Resin(PROMISE)	0.0
Cal. Bauxite	0.0
Carbores T-60	0.0
Molasses	0.0
PCM Tar	0.0
Water	43.7
Hardner (Promise)	0.0
Sindura Plastic Fireclay	0.0

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

Raw Material	FURNACE NUMBER							
	1	4	5	6	7	1-7	8	1-8
CONSUMPTION OF RAW MATERIALS								
Iron Ore (Dry)	32091	0	0	36477	50965	119533	123054	242587
Sinter	51220	0	0	61473	101630	214323	250356	464679
Manganese Ore	0	0	0	384	241	625	1251	1876
Limestone	0	0	0	0	0	0	94	94
Quartzite	0	0	0	29	111	140	1073	1213
Coke (Dry)	26071	0	0	29187	42901	98159	92567	190726
Coke (Wet)	27037	0	0	30547	44535	102119	94394	196513
C.D.I.(Dry)	2192	0	0	3805	5800	11797	20795	32592
Ti-Ore	0	0	0	0	0	0	0	0
Pig Iron Chips	0	0	0	0	0	0	0	0
Scrap	1500	0	0	2653	0	4153	0	4153
Nut Coke	37	0	0	381	769	1187	8912	10099
Layer Nut Coke (Dry)	0	0	0	0	0	0	0	0
Coal Tar	0	0	0	0	0	0	0	0
Convertor Slag	1099	0	0	1079	1256	3434	0	3434

CONSUMPTION RATES OF RAW MATERIALS :

(Unit: Kg/THM)

Raw Material	FURNACE NUMBER								Norm(1-8)
	1	4	5	6	7	1-7	8	1-8	
Iron Ore (Dry)	633.4	-	-	607.5	569.2	596.9	560.4	577.8	
Sinter	1011.0	-	-	1023.8	1135.1	1070.3	1140.2	1106.9	
Fe through Ore & Sinter	951.4	-	-	952.8	954.0	953.0	951.1	952.0	950
Limestone	-	-	-	-	-	0.0	0.4	0.2	5
CaO input thr,Sinter & L/S	141.9	-	-	141.9	154.6	147.6	149.1	148.3	151
Converter Slag	21.7	-	-	18.0	14.0	17.1	0.2	8.3	9
Quartzite	-	-	-	0.5	1.2	0.7	4.9	2.9	
Manganese Ore	-	-	-	6.4	2.7	3.1	5.7	4.5	1.8
C.D.I.	43.3	-	-	63.4	64.8	58.9	94.7	77.6	90
Nut Coke/Layer Nut Coke	0.7	-	-	6.3	8.6	5.9	40.6	24.1	25
Coke (dry)	514.6	-	-	486.1	479.2	490.2	421.6	454.3	440
Ti-Ore	-	-	-	-	-	-	-	-	
Coal Tar	-	-	-	-	-	-	-	-	0.0
Total Fuel Rate	558.6	-	-	555.8	552.5	555.0	556.9	556.0	555
Pig Iron Chips	-	-	-	-	-	-	-	-	
Scrap	29.6	-	-	44.2	-	20.7	-	9.9	

CONSUMPTION RATES OF SERVICES :

PARTICULARS	UNIT (per thm)	OVERALL	
		NORM*	ACTUAL
Blast Rate	m3	1600	1231
Heat for stove heating	103KCal	490/560/520	461.92
Electricity	Kwh	27.84/50.9/-	42.03
Steam (for Blast Moistening)	Kg.	-/160	20.6
Compressed Air	m3	56/9/-	36.0

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

OPERATING PARAMETERS

B.FCES.	PRODUCTIVITY (W.Vol.)		SINTER IN BURDEN	ARISING RATE		BF GAS MAKE/T OF		BF GAS USED FOR STOVE HEATING
	PLAN/ ABP(2019-20)	ACTUAL		SLAG	FLUE DUST	HOT METAL	BF COKE DRY	
	T/m3/d	T/m3/d		%	Kg	Kg	m3	
1		1.963	60.4	380	11			
1	1.71	1.963	60.4	379.626157	10.520498			
4		-	-	-	-			
5		-	-	-	-			
6		1.666	61.1	438	7			
(4-6)	1.63	1.666	61.1	438	7			
7	2.05	1.737	66.6	450	6			
		1.766	63.4	429	7			
8	1.96	2.081	67.0	401	13			
(1-8)	1.84	1.918	65.3	414	10	1535	3379	36.6
PLAN 19-20			70.2	435	12			

OPERATIONAL PARAMETERS

FURNACE NUMBER	AV.BLAST VOLUME m3/Min.	AV.BLAST TEMP. °C	AV.TOP PRESSURE Atm.	TUYERS CHANGED No.	MONKEY CHANGED No.	FORCED SLIPPINGS No.
1	1558	890	0.35	0	0	0
4				0	0	0
5				0	0	0
6	2245	994	0.54	1	0	0
7	3375	979	1.03	2	0	0
BF 1-7	2393	954	0.64	3	0	0
8	5533	1135	2.18	4	0	0
BF 1-8	3178	1000	1.03	7	0	0
PLAN 19-20	BF1-3/4&5	920/925	0.60/0.75			
	BF 6&7/BF 8	980/1100	1.20/1.80			

ARISING OF SLAG & FLUE DUST :

PARTICULARS	UNIT	FURNACE NUMBER							
		1	4	5	6	7	TOTAL	8	1 to 8
Slag	TONNE	19233	0	0	26320	40325	85878	88016	173894
Flue dust	TONNE	533	0	0	405	548	1486	2745	4231

SLAG PROCESSING PLANT

PARTICULARS	SGP- 2	CAST HOUSE GRANL.	TOTAL FOR THE MONTH	CUM. 2019-20
PRODUCTION OF GRANULATED SLAG	0	153890	153890	1825480
DESPATCHES :				
A.C.C.	0	62340	62340	734018
RAYMONDS	0	0	0	0
CENTURY	0	0	0	33473
JAYPEE CEMENT	0	0	0	0
METAL MAN	0	0	0	0
GRASIM(BY RAIL)	0	0	0	0
GRASIM (NEW)	0	0	0	0
AMBUJA(BY RAIL)	0	8162	8162	172773
ULTRA TECH	0	43423	43423	109105
OTHERS.	0	25026	25026	327441
GRAND TOTAL	0	138951	138951	1376811
STOCK OF GRANULATED SLAG :	S.G.P.-2	C/HOUSE	TOTAL	
As at 6 a.m. on				
(01.04.2020)	38823	964084	1002906	
(01.03.2020)	38823	949144	987967	

धमन भट्टियां : मार्च-2020
BLAST FURNACES: MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

SL. NO.	PARTICULARS	UNIT	FURNACE NUMBER							
			1	4	5	6	7	1 to 7	8	1 to 8
FURNACE AVAILABILITY, UTILISATION & BREAK-UP OF DELAYS :										
1	Calendar Hrs.	Hr.	744.0	744.0	744.0	744.0	744.0	3720.0	744.0	4464.0
2	Capital repairs/Reserve period/Idle	Hr.	0.0	744.0	744.0	0.0	0.0	1488.0	0.0	1488.0
3	Schedule Maint.	Hr.	45.0	0.0	0.0	164.0	156.0	365.0	9.0	374.0
4	Available Hrs.	Hr.	699.0	0.0	0.0	580.0	588.0	1867.0	735.0	2602.0
5	Working Hrs.(FULL BLAST)	Hr.	630.2	0.0	0.0	518.1	558.6	1706.9	577.1	2283.9
6	Fce.Availability	%	94.0	0.0	0.0	78.0	79.0	50.2	98.8	58.3
7	Fce.Utilisation	%	90.2	-	-	89.3	95.0	91.4	78.5	87.8
8	Fce.Avl. in terms of 1033 m3	%	0.94	0.00	0.00	1.30	1.53	3.77	3.88	7.65
9	Equivalent Fce. Days worked	Fce.Day	26.3	0.0	0.0	21.6	23.3	71.1	24.0	95.2
10 ANALYSIS OF WIND OFF PERIOD :										
	Mechanical	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Electrical	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Operational	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Copper changing	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Metal ladle	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Slag ladle	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	R/M shortage	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	D D H M	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Break down	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Others	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	TOTAL :	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11 ANALYSIS OF LOW WIND PERIOD :										
	Mechanical	Hr.	2.7	0.0	0.0	2.4	5.0	10.1	0.0	10.1
	Electrical	Hr.	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7
	Operational	Hr.	4.8	0.0	0.0	3.1	14.9	22.8	3.8	26.6
	Copper changing	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Metal ladle	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Slag ladle	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	R/M shortage	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	5.0	5.0
	D D H M	Hr.	0.0	0.0	0.0	5.9	0.0	5.9	0.0	5.9
	Break down	Hr.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Others	Hr.	0.0	0.0	0.0	0.0	10.5	10.5	19.0	29.5
	TOTAL :	Hr.	8.2	0.0	0.0	11.4	30.4	50.0	27.8	77.8
12 ANALYSIS OF REDUCED BLAST(RB) PERIOD :										
		Hr.	259.0	0.0	0.0	224.8	56.8	540.6	576.3	1116.8
13 TOTAL DELAYS:										
		Hr.	267.2	0.0	0.0	236.3	87.2	590.6	604.0	1194.6
14 TOTAL DELAYS(F.B+0.5*L.B.+0.25*R.B.)										
		Hr.	68.8	0.0	0.0	61.9	29.4	160.1	157.9	318.1
CHEMICAL ANALYSIS OF HOT METAL,SLAG & RAW MATERIALS										
ANALYSIS OF HOT METAL:										
		CHEMICAL ANALYSIS (%)					Si in Hot metal for			
		Si	Mn	S	P	C	Fe	SMS-1	SMS-2	
	BF -1	0.82	0.14	0.031	0.16	4.32	94.53	1.03	1.03	
	BF -3						-			
	BF -4						-			
	BF -5						-			
	BF -6	0.81	0.23	0.029	0.16	4.52	94.25	0.79	0.79	
	BF -7	0.82	0.14	0.030	0.15	4.56	94.30	0.76	0.76	
	OVERALL BF 1 TO 7	0.78	0.17	0.030	0.16	4.49	94.38			
	BF -8	0.80	0.22	0.026	0.14	4.51	94.30	0.81	0.81	
	OVERALL BF 1 TO 8	0.81	0.19	0.028	0.15	4.50	94.32	0.89	0.78	
ANALYSIS OF SLAG (%) :										
		SiO2	Al2O3	CaO	MgO	MnO	FeO	S	CaO/SiO2	
	BF -1	35.59	18.90	34.78	8.17	0.16	0.54	0.66	0.98	
	BF -3								-	
	BF -4								-	
	BF -5								-	
	BF -6	35.60	18.83	34.73	7.98	0.25	0.50	0.68	0.98	
	BF -7	65.41	18.57	34.87	7.45	0.18	0.53	0.68	0.53	
	OVERALL BF 1 TO 7	45.53	18.77	34.79	7.87	0.20	0.52	0.68	0.76	
	BF -8	35.29	18.82	34.55	8.50	0.25	0.55	0.65	0.98	
	OVERALL BF 1 TO 8	42.97	18.78	34.73	8.03	0.21	0.53	0.67	0.81	
ANALYSIS OF RAW MATERIALS:										
		% Composition								
	RAW MATERIALS	SiO2	Al2O3	CaO	MgO	Fe	Mn.	Moisture		
	Iron Ore	4.75	2.71	-	-	62.88	-	4.20		
	Lime Stone	-	-	-	-	-	-	0.80		
	LD Slag	14.46	1.14	46.05	8.02	17.45	-	1.20		
	Mn.Ore	-	-	-	-	-	-	1.10		

धमन भट्टियों के संचयी आंकड़े
अप्रैल- 2019 से मार्च-2020
CUMULATIVE DATA : BLAST FURNACES
APRIL 2019 TO MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

Sl. No.	PARTICULARS	FURNACE NUMBER							
		1	4	5	6	7	1 to 7	8	1 to 8
1	Prod'n.Of Hot metal	396887	0	0	816041	1242027	2454955	2363481	4818436
	Basic Gr.								
	Foundry Gr.								
	Off Gr.								
	Mixed Grade								
	TOTAL :	396887	0	0	816041	1242027	2454955	2363481	4818436
2	Distribution of Hot metal								
	SMS - I	260948	0	0	21501	16392	298841	658638	957479
	SMS - II	71794	0	0	762929	1168635	2003358	518973	2522331
	SMS-III	14888	0	0	9648	24796	49332	1067482	1116814
	PCM	44675	0	0	16447	28081	89203	96471	185674
	Foundry	4582	0	0	4516	5047	14145	21607	35752
	TOTAL :	396887	0	0	815041	1242951	2454879	2363171	4818050
3	Production of Pig Iron								
	Mixed Grade	41382	0	0	15235	26011	82628.739	89361	171989.83
4	Despatch of Pig Iron								
	Home sales - Rail								0
	Road								161930.65
	Export								0
	ITO/IPTO								0
	FDY/SMS1/SMS-2/BF								0
	TOTAL :								161930.65
5	Consumption of Raw Materials (T)								
	Iron Ore(Dry)	256696	0	0	490278	682652	1429626	1248549	2678175
	Sinter	387482	0	0	847742	1423224	2658448	2747376	5405824
	Manganese Ore	261	0	0	652	643	1556	5087	6643
	Limestone	727	0	0	1564	1846	4137	1809	5946
	Quartzite	96	0	0	251	744	1091	7696	8787
	Coke (Dry)	195582.79	0	0	387977.33	582101.95	1165662.1	1063714.89	2229377
	C.D.I.	17660.15	0	0	46564.66	72586.615	136811.43	157768.02	294579.45
	Ti-Ore	0	0	0	0	206	206	0	206
	Pig Iron Chips	0	0	0	0	0	0	0	0
	Scrap	7946	0	0	12888	0	20834	0	20834
	Nut Coke	5744	0	0	13237	22834	41815	103569	145384
	Coal Tar	0	0	0	0	0	0	0	0
	Convertor Slag	10346	0	0	15018	23129	48493	49	48542
6	Specific consumption of Raw Mat.(Kg/THM)								
	Iron Ore(Dry)	646.8	0.0	0.0	600.8	549.6	582.3	528.3	555.8
	Sinter	976.3	0.0	0.0	1038.8	1145.9	1082.9	1162.4	1121.9
	Manganese Ore	0.7	0.0	0.0	0.8	0.5	0.63	2.2	1.38
	Limestone	1.8	0.0	0.0	1.9	1.5	1.7	0.8	1.2
	Quartzite	0.2	0.0	0.0	0.3	0.6	0.4	3.3	1.8
	Coke (Dry)	492.8	0.0	0.0	475.4	468.7	474.8	450.1	462.7
	C.D.I.	44.5	0.0	0.0	57.1	58.4	55.73	66.8	61.14
	Ti-Ore	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
	Pig Iron Chips	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00
	Scrap	20.0	0.0	0.0	15.8	0.0	8.5	0.0	4.3
	Nut Coke	14.5	0.0	0.0	16.2	18.4	17.0	43.8	30.2
	Coal Tar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Convertor Slag	26.1	0.0	0.0	18.4	18.6	19.8	0.0	10.1
	Total Fuel Rate	551.8	0.0	0.0	548.7	545.5	547.6	560.6	554.0
7	Specific consump.of Services								
	Heat (103 Kcal/THM)								482.81175
	Elect. (KWH/THM)								44.144473
	Blast Rate (m3/THM)								1341.1111
	Steam (Kg./THM)								44.500954
	Compressed Air (m3/THM)								63.0
8	Slag Rate (Kg./THM)	390.8518	-	-	411.98053	419.62695	412.43322	419.065776	415.68654
9	Flue dust rate (Kg/thm)	18	-	-	7	8	9	13	11
10	Sinter in burden (%)	59.4	-	-	62.8	67.6	64.7	68.8	66.7
11	Blast Temperature (oC)-	897	#DIV/0!	#DIV/0!	981	974	955.39394	1114	998
12	Tuyeres changed (No.)	0	0	0	1	2	3	4	7
13	Monkeys changed (No.)	0	0	0	0	0	0	0	0
14	BF Gas make (m3/THM)								1668.7
15	Calendar Hrs.	8784.0	8784.0	8784.0	8784.0	8784.0	43920.0	8784.0	52704.0
16	Cap.Rep./ Schl.Maint.(Hrs.)	3197.0	8784.0	8784.0	745.0	611.0	22121.0	186.0	22307.0
17	Available Hours	5587.0	0.0	0.0	8039.0	8173.0	21799.0	8598.0	30397.0
18	Total delays (Hrs)	759.4	0.0	0.0	1486.1	787.3	3032.9	2147.3	5180.1
	(Stoppage+ 0.5 X Low blast+ 0.25 X Reduced Blast)								
19	% Fce.Availability	63.6	0.0	0.0	91.5	93.0	49.6	97.9	57.7
20	% Fce.Utilisation	86.4	-	-	81.5	90.4	86.1	75.0	83.0
21	Productivity (T/W.m3/d)	1.924	-	-	1.634	1.733	1.726	1.915	1.814

इस्पात गलन शाला-1: मार्च-2020
STEEL MELTING SHOP - 1: MARCH -2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	STEEL MELTING SHOP - 1			CUML.APR'19-MAR'20		
	ROLL.PRODN.	LADLES	REJ.	ROLL.PRODN.	LADLES	REJ.
GRADE OF STEEL:						
SK OTHER THAN RAIL&HC	40561.2	162	73.12	758903.73	3055	2970.5
SAIL-MA	0	0	0	0	0	0
TOTAL	40561.2	162	73.12	758903.73	3055	2970.5
S K RAIL & HC:						
CRANE RAIL	0	0	0	0	0	0
RAIL FOR STEEL BALL	0	0	0	786.04	3	0
HC(T)/T-18	0	0	0	0	0	0
HC (OFF)	0	0	0	0	0	0
TOTAL	0	0	0	786.04	3	0
K P C:						
EN - 8/9	0	0	0	0	0	0
SAIL TOWER GR. VI	0	0	0	0	0	0
TMT 40 Fe 415(K)	0	0	0	0	0	0
SAILMA-415HI(KILLED)	0	0	0	0	0	0
Fe 490 B (K)	0	0	0	0	0	0
IS 2062GR.B KILLED	0	0	0	502.7	2	0
TOTAL	0	0	0	502.7	2	0
K L A	0	0	0	999.53	4	0
RIMMING	23788.8	98	17.2	217693	908	636.4
G. TOTAL	64350	260	90.32	978885	3972	3606.9
LOSSES:	741			11223		
PIT & SKULL SCRAP	112			2917		
CONSUMPTION	NO.	TONNE	SP(Kg/T)	NO.	TONNE	SP(Kg/T)
INGOT MOULD	106	975	15.15	1871	17213.2	17.58
BOTTOM STOOL	86	590	9.2	1403	9624.6	9.8
CHARGING BOX	10	27	0.4	117	312.2	0.319
इंगट स्टील का स्टॉक / STOCK POSITION OF INGOT STEEL						
PARTICULARS		SMS-1	RSP	SMS-3		TOTAL
OPENING STOCK		810	0.0	0		810
PRODN./RECEIPT		64350	0.0	274		64624
RECEIPT FROM (FOUNDRY)		0	0.0			0
SUPPLIED TO:						
SOAKING PIT		63060	0.0	274		63334
REMELTING		110	0.0	0		110
OUTSIDE LOADING		0	0.0			0
TOTAL		63170	0.0	274		63444
LOSSES		0	0.0			0
CLOSING STOCK		1990	0.0	0		1990

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भट्टियों की कार्य अवधि : मार्च- 2020
WORKING OF FURNACES AT SMS-1 : MARCH- 2020

सेल:बी.एस.पी./पी.पी.सी.

FCE NO	CALN.	COLD/CAPITAL	HEATING	COLD RESERVE	AVAIL.	BOTTOM	MECH	HM RESERVE /
	HRS	HOT/REPAIR	TIME	TIME	HOURS	REPAIRS	REPAIRS	HM N.A.
	Hr.	Hr.	Hr.	Hr.	Hr.	Hr.	Hr.	Hr.
THF-1	744	744.0	0.0	0.0	0.0	0.0	0.0	0.0
THF-2	744	744.0	0.0	0.0	0.0	0.0	0.0	0.0
THF-3	744	168.0	4.0	343.0	229.0	0.0	0.0	107.0
THF-4	744	245.0	0.0	0.0	499.0	16.5	0.0	62.0
TOT. THF	2976	1901.0	4.0	343.0	728.0	16.5	0.0	169.0

FCE NO	RUNNING	OXY. PRESSURE	TOTAL	WORKING	WORKING	AVAILABI	UTILISATION		
	H.REPS	LOW	DELAYS	HOURS	DAYS	LITY	CALN.Hr.	AVL.Hr.	
	Hr.	Hr.	Hr.	Hr.	No.	%	%	%	
THF-1	0.0	0.0	744.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!
THF-2	0.0	0.0	744.0	0.0	0.0	0.0	0.0	0.0	#DIV/0!
THF-3	0.0	0.0	622.0	122.0	5.1	30.8	16.4	53.28	
THF-4	0.0	0.0	323.5	420.5	17.5	67.1	56.5	84.27	
TOT. THF	0.0	0.0	2433.5	542.5	22.6	24.5	18.2	74.52	

NOTE : AVAILABLE HOURS = CAL.HRS - (COLD.REP + HTNG + COLD RESV HRS.)

WORKING OF FURNACES AT SMS 1

APR'19 TO MAR'20

FCE NO	CALN.	COLD/CAPITAL	HEATING	COLD RESERVE	AVAIL.	BOTTOM	MECH	HM RESERVE /
	HRS	REPAIR	TIME	TIME	HOURS	REPAIRS	REPAIRS	HM N.A.
	Hr.	Hr.	Hr.	Hr.	Hr.	Hr.	Hr.	
THF-1	8784	3759.0	9.9	1042.2	3972.9	86.8	0.0	874.6
THF-2	8784	8682.0	0.0	0.0	102.0	6.3	0.0	0.0
THF-3	8784	3430.5	25.5	1377.5	3950.5	76.8	0.0	1095.2
THF-4	8784	2966.2	11.8	1758.6	4047.4	98.8	3.0	793.6
TOT. THF	35136	18837.7	47.3	4178.3	12072.8	268.5	3.0	2763.3

FCE NO	RUNNING	OXY. PRESSURE	TOTAL	WORKING	WORKING	AVAILABI	UTILISATION		
	H.REPS	LOW	DELAYS	HOURS	DAYS	LITY	CALN.Hr.	AVL.Hr.	
	Hr.	Hr.	Hr.	Hr.	No.	%	%	%	
THF-1	0	0	5772.4	3011.6	125.5	45.23	34.28	75.80	
THF-2	0	0	8688.3	95.8	4.0	1.16	1.09	93.87	
THF-3	0	0	6005.4	2778.6	115.8	44.97	31.63	70.33	
THF-4	0	0	5631.9	3152.1	131.3	46.08	35.88	77.88	
TOT. THF	0	0.0	26098.0	9038.0	376.6	34.36	25.72	74.86	

TECHNO-ECONOMIC FACTORS SMS 1

WORKING OF FURNACES AT SMS-1 : MARCH- 2020

FCE NO	PRODN.	LADLES	PRODUCTION PER			AVG HEAT DUR		Av Wt PER
	TOTAL	TOTAL	CAL DAY	FCE DAY	FCE HRS	Avl Hr	Wrkg Hr	ladle
	T	No	T	T	T	Hrs	Hrs	T
THF-1	0	0	0.0					
THF-2	0	0	0.0					
THF-3	13960	57	450.3	2746.2	114.43	8.0	4.3	244.9
THF-4	50390	203	1625.5	2876.0	119.83	4.9	4.1	248.2
TOT. THF	64350	260	519.0	2846.8	118.62	5.6	4.2	247.5

TECHNO-ECONOMIC FACTORS SMS 1

APR'19 TO MAR'20

FCE NO	PRODN.	LADLES	PRODUCTION PER			AVG HEAT DUR		Av Wt PER
	TOTAL	TOTAL	CAL DAY	FCE DAY	FCE HRS	Avl Hr	Wrkg Hr	ladle
	T	No	T	T	T	Hrs	Hrs	T
THF-1	314250	1285	858.6	2504.33	104.35	6.2		244.6
THF-2	9380	38	25.6	2351.12	97.96	5.4	5.0	246.8
THF-3	306345	1240	837.0	2646.05	110.25	6.4	4.5	247.1
THF-4	348910	1409	953.3	2656.60	110.69	5.7	4.5	247.6
TOT. THF	978885	3972	668.6	2599.38	108.31	6.1	4.6	246.4

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इस्पात गलन शाला १ में कच्चे माल की खपत : मार्च-2020
COSUMPTION OF RAW MATERIALS AT SMS-1 : MARCH-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

Particulars	Semi Killed		Rimming	KLA	KPC	Sailma	Total	APR'19 - MAR'20
	Mild etc	Rail						
Prodn	40561.2	0.0	23788.8	0.0	0.0	0.0	64350.0	978885.0
Metallic Charge:								0.0
HOT METAL	37364.0	0.0	22603.0	0.0	0.0	0.0	59967.0	922407.2
Iron Scrap	1592.0	0.0	0.0	0.0	0.0	0.0	1592.0	18753.0
Steel Scrap	7951.7	0.0	4312.0	0.0	0.0	0.0	12263.7	181639.2
Total	46907.7	0.0	26915.0	0.0	0.0	0.0	73822.7	1122799.3
OXIDES:								
Iron Ore	2076	0	0	0	0	0	2076	35447
Mill Scale	0	0	0	0	0	0	0	0
FLUXES:								
Lime Stone(J)	1371.4	0.0	829.6	0.0	0.0	0.0	2201.0	34232.0
Lime Stone(K)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lime Stone(IMPORTED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FERRO- ALLOYS:								
Fe-Mn(HC)	757.6	0.0	284.2	0.0	0.0	0.0	1041.8	16460.5
Si-Mn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fe-Si	88.7	0.0	15.7	0.0	0.0	0.0	104.4	1838.1
Aluminium	3.6	0.0	20.7	0.0	0.0	0.0	24.3	350.2
Copper	22.3	0.0	0.0	0.0	0.0	0.0	22.3	110.5
Fe-V	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1
Fe-Cr	57.0	0.0	0.0	0.0	0.0	0.0	57.0	248.9
Mn-Ore	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fe-Nb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2
Fe-Ti/Phosphorus.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hot Tops(Set)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LD Slag	2559.6	0.0	1548.4	0.0	0.0	0.0	4108.0	54342.0
Coke breeze	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Coke	27.9	0.0	0.0	0.0	0.0	0.0	27.9	769.1
Fettling Materials:								0.0
Raw Dolomite	176.3	0.0	106.7	0.0	0.0	0.0	283.0	533.0
Burnt dolomite(Sinter dolomite)	750.2	0.0	453.8	0.0	0.0	0.0	1204.0	15081.0
Magnesite Peas & Powder(DBM)	51.1	0.0	30.9	0.0	0.0	0.0	82.0	1712.0

Specific Consumption Kg/TCS

Particulars	Semi Killed		Rimming	KLA	KPC	Sailma	Total	APR'19 - MAR'20
	Mild etc	Rail						
Metallic Charge:								
Hot Metal	921.2		950.2	-	-	-	931.9	942.3
Iron Scrap	39.2		-	-	-	-	24.7	19.2
Steel Scrap	196.0		181.3	-	-	-	190.6	185.6
Total	1156.5		1131.4	-	-	-	1147.2	1147.0
OXIDES:								
Iron Ore	51.2		-	-	-	-	32.3	36.2
Mill Scale	-		-	-	-	-	-	-
FLUXES:								
Lime Stone(J)	33.8		34.9	-	-	-	34.20	34.97
Lime Stone(K)	-		-	-	-	-	-	-
Lime Stone(IMPORTED)	-		-	-	-	-	-	-
FERRO- ALLOYS:								
Fe-Mn(HC)	18.7		11.9	-	-	-	16.2	16.8
Si-Mn	-		-	-	-	-	-	-
Fe-Si	2.2		0.7	-	-	-	1.62	1.88
Aluminium	0.1		0.9	-	-	-	0.38	0.358
Copper	0.6		-	-	-	-	0.3	0.1
Fe-V	-		-	-	-	-	-	0.0
Fe-Cr	1.4		-	-	-	-	0.9	0.3
Mn-Ore	-		-	-	-	-	-	-
Fe-Nb	-		-	-	-	-	-	0.0
Fe-Ti	-		-	-	-	-	-	-
Hot Tops(Set)	-		-	-	-	-	-	-
LD Slag	63.1		65.1	-	-	-	63.8	55.5
Synthetic Slag	-		-	-	-	-	-	-
Petro-Coke	0.7		-	-	-	-	0.4	0.8
Fettling Materials:								
Raw Dolomite	4.3		4.5	-	-	-	4.4	0.5
Burnt dolomite(Sinter dolomite)	18.5		19.1	-	-	-	18.7	15.4
Magnesite Peas & Powder(DBM)	1.3		1.3	-	-	-	1.3	1.7
Metallic Yield							84.71	84.43
Fe Yield							91.69	91.42

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इस्पात गलन शाला - १ : मार्च- 2020
STEEL MELTING SHOP - 1 : MARCH- 2020

सेल:बी.एस.पी./पी.पी.सी.

FURNACE HOURS WORKED										
PARTICULARS	SEMI KILLED			RIM	KLA	KPC	SAILMA	BS 4360	STEEL MELTING	APR'19 - MAR'20
	MILD	UTS	RAIL							
Twin Hearth	338.0	0.0	0.0	204.5	0.0	0.0	0.0	0.0	542.5	9038.0
BREAK UP OF HEAT DURATION OF FCES. (HRS.)										
Fces.	Tapp/Fett.	Charg.	Sill/Htg.	Pourg.	Meltg.	Refng./Hold.		TOTAL		
TWH - 1								-	6.2	
TWH - 2								-	5.4	
TWH - 3	1.0	1.0	1.3	0.7	1.7	2.3		8.0	6.4	
TWH - 4	0.6	0.6	0.8	0.4	1.0	1.4		4.9	5.7	
TOTAL	0.7	0.7	0.9	0.5	1.2	1.6		5.6	6.1	
SPECIFIC CONSUMPTION OF SERVICES										
PARTICULARS	UNIT			Tech.Parameter Plan		STEEL MELTING SHOP - 1		APR'19 - MAR'20		
HEAT	MCal/T			80		152.00		147.58		
ELECTRICITY	KWH./T			28.7		36.51		35.54		
TECHNO. OXYGEN	M3/T			61		57.40		60.30		
STEAM	Kg/T			23		73.95		72.97		
COMPRESSED AIR	M3/T			38.7		140.18		117.01		
RAIL TRANSPORT	Loco.Minutes / T			-		8.67		7.51		
INGOT MOULD	Kg/T					15.15		17.58		
BOTTOM STOOLS	Kg/T					9.17		9.83		
CHARGING BOX	Gms/T					414.61		318.89		

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इस्पात गलन शाला- 2 मार्चे 2020
STEEL MELTING SHOP-2 MAR - 2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

CONVERTER WISE PRODUCTION								
CONV.NO.	BLOWS (NO.)		FULL RETURN BLOWS(NO.)		CAST TONNAGE		AV.WT./BLOW (EXCL. C/R/L)	
	MAR	CUM.	MAR	CUM.	MAR	CUM.	MAR	CUM.
A.	593	6981	0	28	68228	807020	115.1	116.1
B.	600	6758	1	23	69621	775744	116.2	115.2
C.	585	6947	0	26	67401	798002	115.2	115.3
TOTAL	1778	20686	1	77	205250	2380766	115.5	115.5
GROSS PRODUCTION AT CCS :								
	BLOWS NO.		FULL RET./LOSS HEATS		CAST TONNAGE		AV.WT./BLOW(INCL.C/R/L)	
	MAR	CUML.	MAR	CUML.	MAR	CUML.	MAR	CUML.
SLABS	948	9667	1	49	109050	1096178	114.9	112.8
BLOOMS	827	10930	2	40	96200	1284588	116.0	117.1
FULL R/L	3	89						
TOTAL	1778	20686	3	89	205250	2380766	115.2	114.6
SP. CONSUMPTION OF RAW MATERIALS :								
PARTICULARS	PLAN	MAR	CUML.		PARTICULARS	PLAN	MAR	CUML.
HOT METAL	1035.0	1025.70	1027.37		Fe Si	0.9	1.04	1.02
Total SCRAP	108.0	116.53	114.39		Fe Cr		0.03	0.09
TMI	1143.0	1142.23	1141.76		Fe Mn		0.03	0.34
RAW DOLO		0.03	0.03		Fe Nb		0.03	0.03
LIME TOTAL	60.0	60.95	59.17		Fe Ti		0.01	0.01
LIME (CONV)		54.9	53.0		Petro Coke	4.1	3.98	4.33
CALCINED DOLO	27.0	30.93	29.68		Ca-Si		0.16	0.11
Si Mn	19.0	18.52	18.29		Fe V		0.01	0.02
ALUMINIUM	0.75	0.54	0.67		Lime stone		0.0	0.0
OPERATIONAL INDICES :								
MONTH	CONVERTER		AV.PRODN/ DAY	PRD. / HRS WORKED	AVG. TAP TO TAP TIME.	AVG BLOWS/CA MPAIGN.		OVERALL Fe YIELD
	AVAILABILITY-	UTILISATION						
	(%)	(%)	(T.)	(T)	(MT.)	(NO.)		(%)
MAR	90.7	80.5	6621.0	125.9	55.0	-;		92.92
CUML.	90.0	80.0	6522.6	125.5	55.0	6370		92.84
SERVICES CONSUMPTION PER TONNE OF CAST STEEL :								
PARTICULARS	PLAN	UNIT	ACTUAL		PLAN	PARTICULARS	UNIT	ACTUAL
ELECT.	13.7	KWH	14.89		63	OXYGEN For(blowing)	Cu. M	64.47
COMP.AIR	37	Cu. M	53.77			NITROGEN	Cu. M	71.6
CHILLED WATER	0.05	Cu. M	0.05		1.3	STEAM	Kg.	1.73
HEAT	25	1000 Kcal	24.0			LOCO	Hrs..	1.1
DELAYS (HR.)								
SHORTAGE OF								
ELECT.	MECH.	OPR.	O2/N2	HOT METAL	INSTR.	POWER	OTHERS	TOTAL
0.0	0.0	0.0	0.0	0.0	0.0	0.0	394.2	394.2
CONSUMPTION OF HOT METAL & SCRAP (T)								
PARTICULARS	MAR	CUML.						
HOT METAL (Gross)	210524	2445918						
SCRAP(Total)	23918	272343						

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सतत सचकन शाला माचे 2020
CONTINUOUS CASTING SHOP MAR- 2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS		MAR	19-20			
A. GROSS PRODUCTION	SLABS :					
	CASTER NO. 1	33929	396005			
	CASTER NO. 2	29944	228378			
	CASTER NO. 3	0	0			
	CASTER NO. 6(new)	45177	471795			
	TOTAL SLABS	109050	1096178			
	BLOOM:					
	CASTER NO. 3	17525	336127			
	CASTER NO. 4	25798	335848			
	CASTER NO. 5	52877	612613			
TOTAL BLOOMS	96200	1284588				
TOTAL GROSS PRODUCTION		205250	2380766			
PRODN. OF CASTING POWDER		0	0			
CONSP. OF CASTING POWDER		115	1269			
B. PRIME PRODUCTION						
CROSS SECTION	PRIME	CUT LOSS, REJ.& DEFECTIVE		YIELD OF PRIME FROM GROSS		
SLABS :	MONTH	CUM.	MONTH	CUM.	MONTH	CUM.
200 X 1520	11339	160494	661	10815	88.2	91.3
220 X 1600*	43663	449122	1398	17219	96.6	95.2
242 X 1800	23309	358563	1405	26602	68.4	90.5
250 X 1500	12	1039	0	1009	#DIV/0!	138.2
192 X 1275	7880	35977	417	1901	46.5	69.2
T O T A L	86203	1005195	3881	57546	79.0	91.7

BLOOMS:						
- UTS - 90	91333	1046696	7715	70583	94.9	92.8
- 2062GR-A	0	0	0	0	-	-
- BS GR900A	0	0	0	0	-	-
- HC OFF/ HC TESTED	0	0	0	0	-	-
- 1875/WTCC	0	0	0	0		
- OTHERS	0	0	0	0	-	-
- R-60/52 URM	0	157565	0	0		
T O T A L	91333	1204261	7715	70583	94.9	93.7

C. SERVICES CONSUMPTION					
PARTICULARS	ELECTRICITY	COMP AIR	HEAT	CHILLE D	CASTING POWDER
UNIT	KWH	Cu.M	1000 KCAL	Cu.M	KG/TCS.
PLAN	68.8	61.3	22.0	0.37	0.60
MAR	76.8	83.3	22.0	0.38	0.56
19-20	82.2	87.9	23.7	0.38	0.53

D. STOCK POSITION						
PARTICULARS	S L A B S				B L O O M S	
	UNFINISHED	PRIME	PURCHASE D Slab RSP		UNFINISHED	FINISHED
OPENING STOCK	42313	9000	0		53846	0
PRODUCTION :						
GROSS(RECEIPT)	109050	109050	0		96200	
PRIME	86203	86203	0		91333	91333
CUT LOSS/REJ./DEF/SCF.	3881		0		7715	
TRANSFER TO:						
PM		79647	0			
BBM/URM						91333
LOADING :						
HOME SALE		0				0
I.P.T		7328				
STOCK YARD		0				0
C P S(DIV.)						0
STOCK VEF. ADJ.	2				3	0
CLOSING STOCK	61281	8228	0		51001	0

*In addition to above ASP slab stock (purchased) 163 T not included in grand total.

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सतत संचकन शाला - मार्च 2020
CONTINUOUS CASTING SHOP MAR- 2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: %)

		MAR	CUML.			
GROSS PRODUCTS TO :						
	- Prime Slabs	95.69	94.60			
	- Prime Blooms	92.21	94.46			
	- Prime Slabs & Blooms	93.87	94.52			
GROSS PRODUCTS TO :(Conditioned Yield)						
	- Finished Slabs	96.81	96.93			
	- Finished Blooms	99.01	99.25			
	- Finished Slabs & Blooms	97.96	98.20			
B. QUALITY-WISE PRODUCTION : (TONNE)						
QUALITY	BLOWS MADE(No.)		TONNAGE			
	MONTH	CUMM	SLABS	BLOOMS	TOTAL	"19-20
B.Q	31	639	3540		3540	74408
HT(HS)	78	683	9114		9114	78620
HT(EXP):						
Sub-Total HT Export	0	0	0		0	0
GRAND TOTAL HT	78	683	9114		9114	78620
MILD & EXPORTS:						
IS-2062	688	7764	79211		79211	878354
EXPORT:						
IS2062 250BR	0	26	0		0	3085
Sub Total Export	0	26	0		0	3085
IPT SSP						
IS2062-250B-HCE	46	151	5177		5177	16631
IS2062-250B-LCE	99	301	11304		11304	33215
REJECTED SLAB	0	6	0		0	633
TOTAL - IPT SSP	145	452	16481		16481	50479
MILD HOME SALE						
WCIP	4	37	476		476	4336
WC	2	34	228		228	4012
DEAD - SO	0	1	0		0	109
IS5986-ISH-360S CU	0	1	0		0	113
IR GR-B	0	23	0		0	2662
Sub-Total Mild Home sale	6	96	704		704	11232
BLOOM						
IRS-T12-GR880(UTS90)	799	10603		93256	93256	1247928
REJECTION	28	328		2944	2944	36660
FULL RETURN	1	77				
LOSS	2	12				
TOTAL	1778	20686	109050	96200	205250	2380766
CUML.		20686				2380766

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आर.एँम.पी-1 का उत्पादन, स्थानांतरण एवं स्कंध : मार्च-2020
 PRODUCTION, TRANSFER & STOCK OF RMP-1 : MAR-2020

सेल.भि.इ.सं/पी.पी.सी.

इकाई : टन

PRODUCTS	PRODUCTION			RECPT (RMP2)	TOTAL (Prodn.+Recpt)		SINTERED DOLOMITE			
	RK1	RK2	TOTAL				SIZE FRACTION			
LIME	0	0	0	50	50					
(SINTERED DOLOMITE)	688	0	688	0	688		+1 mm	688		
(CALCINED DOLOMITE)	0	3500	3500	0	3500		TOTAL	688		
DISTRIBUTION										
	OP BAL	SP-2	SP-3	SMS-1	SMS-2 / 3	RMP1	RMP2	FDY	TOTAL	CL. BAL
LIME	34.230	0	0	0	0	75.6	0	0	75.6	8.630
(SINTERED DOLOMITE)	850.780	0	0	1204	0	0	0	0	1204	334.780
(CALCINED DOLOMITE)	448.000	0	0	0	3105	0	296	0	3401	547.000
SINTERED-DOLOMITE DISTRIBUTION										
SIZE FRACTION	OP BAL	SP-2	SP-3	SMS-1	SMS-2 / 3	RMP1	RMP2	FDY	TOTAL	CL. BAL
0									0	0
+1 mm	850.78	0	0	1204	0	0	0	0	1204	334.78
TOTAL	850.78	0	0	1204	0	0	0	0	1204	334.78
RAW MATERIAL CONSUMPTION(TONNES)										
RAW MATERIALS (PARTICULARS)	SIZE(mm)	OP BAL	RECPT	Consm/ Transfer	CL. BAL	Stock Verif/Adj	DELAYS, AVAILABILITY & UTILISATION			
L/Si. Raw dolo chips (Mandla)	(8-20)	3599.039	892.280	1816.320	2674.999		HRS	RK-1	RK-2	
Raw dolo chips (Hi/Si) Hirri	(10-20)	37.380	5712.000	285.600	5463.780		Cal Hrs	744	744	
Limestone (JaiSalmer)		0.300	0.000	0.000	0.300		PLANNED (MAINT)	616	240	
Dolomite SP Grade		0.550	0.000	0.000	0.550		MECH		2	
Plastic fire clay Lumps		226.356	0.000	43.650	85.706	-97	ELECT		2	
Kyanite lumps		0.000	0.000	0.000	0.000		OPRN			
Fire bricks		36.898	0.000	0.000	36.898		No Gas			
Chrome bricks		22.051	50.000	26.500	45.551		RED			
High Alumina bricks grog		2899.571	0.000	155.700	2743.871		CHM \ CRM			
Sintered dust From RMP-I		0.000	0.000	0.000	0.000		OTHERS			
CAL AL-75		4.682	44.000	32.520	16.162		TOTAL	0	4	
Mag-Carbon bricks		0.000	0.000	0.000	0.000		Available Hrs	128.0	504.0	
Magnesite Powder/DBM	0-2	21.560	15.000	26.100	10.460		Utilised Hrs	128	500	
Low Ferric High Alumina Cal.Bauxite	0-0.25	5.742	47.000	38.400	14.342		Availability %	17.2	67.7	
Low Ferric High Alumina Cal.Bauxite	(1-4)	2.823	41.000	32.380	11.443		Utilisation %	100.0	99.2	
CAL. Bauxite	(1-4)	0.000	0.000	0.000	0.000					
Cal Fireclay grog		7.368	67.000	67.200	7.168					
Flour Spar		0.410	0.000	0.000	0.410					
RAW DOLOMITE (BELHA)		2779.110	3200.000	5664.400	314.710					
DBM(1-6)		9.499	0.000	0.000	9.499					
Dextrine Powder		0.000	0.000	0.000	0.000					
LIMESTONE IMPORTED		0.000	0.000	0.000	0.000					
Others		17222.393	181.640	450.000	16954.033					

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आर.एँम.पी-1 का उत्पादन, स्थानांतरण एवं स्कंध : अप्रैल-मार्च 2020
 PRODUCTION, TRANSFER & STOCK OF RMP-I : APRIL-MAR 2020

सेल.भि.इ.सं/पी.पी.सी.

इकाई : टन

PRODUCTS	PRODUCTION			RECPT (RMP2)	TOTAL (Prodn.+Recpt)		SINTERED DOLOMITE			
	RK1	RK2	TOTAL		SIZE FRACTION					
LIME	0	0	0	955	955					
(SINTERED DOLOMITE)	14016	0	14016	0	14016		+1 mm	15292		
(CALCINED DOLOMITE)	9680	37190	46870	0	46870		TOTAL	15292		
DISTRIBUTION										
	OP BAL	SP-2	SP-3	SMS-1	SMS-2 / 3	RMP1	RMP2	FDY	TOTAL	CL. BAL
LIME	4.25	0	0	0	0	950.62	0	0	950.62	8.63
(SINTERED DOLOMITE)	1477.78	0	0	15081	18	0	0	60	15159	334.78
(CALCINED DOLOMITE)	440	0	0	0	19086	0	27677	0	46763	547
DISTRIBUTION										
SIZE FRACTION	0	0	0	0	0	0	0	0	0	0
+1 mm	1477.78	0	0	15081	18	0	0	60	15159	334.78
TOTAL	1477.78	0	0	15081	18	0	0	60	15159	334.78
RAW MATERIAL CONSUMPTION(TONNES)										
RAW MATERIALS (PARTICULARS)	SIZE(mm)	OP BAL	RECPT	Consm/ Transfer	CL. BAL	Stock Verif/Adj	DELAYS, AVAILABILITY & UTILISATION			
L/Si. Raw dolo chips (Mandla)	(8-20)	7746.16	32517.74	37891.79	2675.00	302.89	HRS	RK-1	RK-2	
Raw dolo chips (Hi/Si) Hirri	(10-20)	407.91	26466.10	21410.23	5463.78	0	Cal Hrs	8784	8784	
Limestone (JaiSalmer)		0.30	0.00	0.00	0.30	0	PLANNED (MAINT)	0	0	
Dolomite SP Grade		0.55	0.00	0.00	0.55	0		4054	3385	
Plastic fire clay Lumps		66.18	391.70	306.72	85.71	-65.45	MECH	457	234	
Kyanite lumps		0.00	0.00	0.00	0.00	0				
Fire bricks		6.50	0.00	0.00	36.90	30.4	ELECT	5	0	
Chrome bricks		130.95	785.00	876.00	45.55	5.6				
High Alumina bricks grog		5649.20	0.00	2891.83	2743.87	-13.5	OPRN	0	0	
plastic fire clay Lumps(BF grade)		0.00	0.00	0.00	0.00	0	No Gas	0	0	
CAL AL-75		0.40	171.60	156.74	16.16	0.9	RED	0	0	
Mag-Carbon bricks		0.00	0.00	0.00	0.00	0	CHM \ CRM	0	0	
Magnesite Powder/DBM	0-2	0.01	85.00	74.55	10.46	0				
Low Ferric High Alumina Cal.Bauxite	0-0.25	9.20	368.00	377.26	14.34	14.4	OTHERS	5	0	
Low Ferric High Alumina Cal.Bauxite	(1-4)	19.66	143.82	152.64	11.44	0.6				
CAL. Bauxite	(1-4)	0.00	0.00	0.00	0.00	0	TOTAL	467	236	
Cal Fire clay grog	(1-4)	0.00	302.00	320.74	7.17	25.9	Available Hrs	4730.0	5399.0	
Flour Spar		0.41	0.00	0.00	0.41	0	Utilised Hrs	4263	5163	
RAW DOLOMITE (BELHA)		2398.02	57385.05	62065.19	314.71	2596.83				
DBM(1-6)		0.10	70.00	55.80	9.50	-4.8	Availability %	53.8	61.5	
Dextrine Powder		0.00	0.00	0.00	0.00	0				
LIMESTONE IMPORTED (Dubai)		0.00	0.00	0.00	0.00	0	Utilisation %	90.1	95.6	
Others		10437.53	6741.44	4692.00	16954.03	4467.06				

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आर.एम.पी-1 में मोर्टार/ मासेस एवं कास्टेबलम् के उत्पादन के लिए सामग्रियों की खपत : मार्च-2020
Consumption Of Raw Materials for Production of Mortars, Masses & Castables at RMP-1 : MAR-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

PRODUCTION		Fire Clay	Kyanite	Fire Bricks	Chrome Bricks	HAB Grog	Mag Carbon	LFHA Cal Bauxite(0-	pfireclay (Bfgrade)	
MORTARS:	Fire Clay	33.90				146.10				
	Chrome (Mortar)	3.00			12.00					
	MGO (Mortar)	2.10								
	(Steel ladle mortar)	2.40				9.60				
	BT-1									
	BT-II									
	M1/M2/M3									
	Converter Ladle Mortar									
	SP-COR-1									
	VAD									
	SPL KYN									
	PI clay									
	Total		41.4	0.0	0.0	12.00	155.7	0.0	0.0	0.0
MASSES:	MGO (Powder)									
	Fire Brick Grog									
	Chrome GROG									
	Mag-Carbon Bricks (0-1)									
	Tap hole Mass Grog									
Total		0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	
CASTABLES:	Ladle Repair Mass	2.25			14.55					
	RAKSHAK (SMS-I)							8.4		
	High Alumina Mass-K							30		
	High Alumina Mass-C									
	Total	2.3	0.0	0.0	14.6	0.0	0.0	38.4	0.0	
	Grand Total	43.65	0.0	0.0	26.6	155.70	0.0	38.4	0.0	
Process Loss										
Total	43.65	0.00	0.00	26.55	155.70	0.00	38.40	0.0		

Prodn.		LFHA CAL Bauxite(1-4)	CAL AI-75	Cal F/C Grog	DBM (0-2mm)/(1-6)	Lime	Flour Spar	Dextrine	Cal.Bauxite (70%)	Total
MORTARS:	Fire Clay									180.00
	Chrome (Mortar)									15.00
	MGO (Mortar)				21.90					24.00
	MGO (Steel ladle mortar)									12.00
	BT-1									0.00
	BT-II									0.00
	M1/M2/M3									0.00
	Converter Ladle Mortar									0.00
	SP-COR-1									0.00
	VAD									0.00
	SPL KYN									0.00
	PI clay									0.00
	Total		0.0	0.0	0.0	21.9	0.0	0.0	0.0	0.0
MASSES:	MGO (Powder)									0.00
	Fire Brick Grog									0.00
	Chrome GROG									0.00
	Mag-Carbon Bricks (0-1)									0.00
	Tap hole Mass Grog									0.00
Total		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
CASTABLES:	Ladle Repair Mass				4.2					21.00
	RAKSHAK					75.60				84.00
	High Alumina Mass-K	32.28	32.52	67.20						162.00
	High Alumina Mass-C									0.00
Total	32.3	32.5	67.2	4.2	75.6	0.00	0.00	0.0	0.0	267.00
TOTAL PRODUCTION	32.28	32.52	67.20	26.10	75.60	0.00	0.000	0.00	0.00	498.00
Process Loss										0.00
TOTAL CONSUMPTION	32.28	32.52	67.20	26.10	75.60	0.00	0.000	0.00	0.00	498.00

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आर.एम.पी-1 में मोरटार/ मासेस एवं कास्टेबलम् के उत्पादन के लिए सामग्रियों की खपत : अप्रैल-मार्च 2020
Consumption Of Raw Materials for Production of Mortars, Masses & Castables at RMP-1 : APRIL-MAR 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

PRODUCTION		Fire Clay	Kyanite	Fire Bricks	Chrome Bricks	HAB Grog	Mag Carbon	LFHA Cal Bauxite	pfireclay (Bfgrade)		
MORTARS:	Fire Clay	218.27	0.0	0.0	0.0	2729.73	0	0	0.0		
	Chrome (Mortar)	48.20	0.0	0.0	558.80	0.00	0	0	0.0		
	MGO (Mortar)	3.70	0	0	0.00	0.00	0	0	0.0		
	(Steel ladle mortar)	16.70	0.0	0.0	0.00	151.30	0	0	0.0		
	BT-1	0.00	0.0	0	0.00	0.00	0	0.0	0		
	BT-II	0.00	0	0	0.00	0.00	0	0.0	0		
	M1/M2/M3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Converter Ladle Mortar	0.00	0	0	0.00	0.00	0	0	0		
	SP-COR-1	1.20	0.0	0.0	0.00	10.80	0	0	0		
	VAD	0.00	0.0	0	0.00	0	0	0.0	0.0		
	SPL KYN	0.00	0.0	0.0	0.00	0	0	0	0		
	PI clay	0.00	0	0	0.00	0	0	0	0		
	Total	288.1	0.0	0.0	558.80	2891.8	0.0	0.0	0.0	0.0	
MASSES:	MGO (Powder)	0	0	0	0.00	0	0	0	0		
	Fire Brick Grog	0	0	0	0.00	0	0	0	0		
	Chrome GROG	0	0	0	0.00	0	0	0	0		
	Mag-Carbon Bricks (0-1)	0	0	0	0.00	0	0.0	0	0		
	Tap hole Mass Grog	0	0	0	0.00	0	0	0	0		
Total	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0		
CASTABLES:	Ladle Repair Mass	20.65	0	0	317.30	0	0	0	0.0		
	RAKSHAK (SMS-I)	0	0	0	0	0.0	13.2	212.18	0.0		
	High Alumina Mass-K	0	0	0	0	0.0	0	151.878	0.0		
	High Alumina Mass-C	0	0	0	0	0.0	0	0.0	0.0		
	Total	20.7	0.0	0.0	317.3	0.0	13.2	364.1	0.0	0.0	
	Grand Total	308.72	0.0	0.0	876.1	2891.83	13.2	364.1	0.0	0.0	
Process Loss	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Total	308.72	0.00	0.00	876.10	2891.83	13.20	364.06	0.0	0.0		

Prodn.		LFHA CAL Bauxite(1-4)	CAL Al-75	Cal F/C Grog	DBM (0-2mm)/(1-6)	Lime	Flour Spar	Dextrine	Cal.Bauxite (70%)	Total
MORTARS:	Fire Clay	0	0	0	0	0	0	0	0	2948.00
	Chrome (Mortar)	0	0	0	0	0	0	0	0	607.00
	MGO (Mortar)	0	0	0	49.30	0	0	0	0	53.00
	MGO (Steel ladle mortar)	0	0	0	0	0	0	0	0	168.00
	BT-1	0	0	0	0	0	0	0	0	0.00
	BT-II	0	0	0	0	0	0	0	0	0.00
	M1/M2/M3	0	0	0	0	0	0	0	0	0.00
	Converter Ladle Mortar	0	0	0	0	0	0	0	0	0.00
	SP-COR-1	0	0	0	0	0	0	0.000	0	12.00
	VAD	0	0	0	0	0	0	0	0	0.00
	SPL KYN	0	0	0	0	0	0	0	0	0.00
	PI clay	0	0	0	0	0	0	0	0	0.00
	Total	0.0	0.0	0.0	49.3	0.0	0.0	0.0	0.0	0.0
MASSES:	MGO (Powder)	0	0	0	3.0	0	0	0	0	3.00
	Fire Brick Grog	0	0	0	0	0	0	0	0	0.00
	Chrome GROG	0	0	0	0	0	0	0	0	0.00
	Mag-Carbon Bricks (0-1)	0	0	0	0	0	0	0	0	0.00
	Tap hole Mass Grog	0	0	0	0	0	0	0	0	0.00
Total	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.00
CASTABLES:	Ladle Repair Mass	0	0	0	78.1	0	0	0	0	416.00
	RAKSHAK	0.0	0	0.0	0	950.62	0.0	0.0	0.0	1176.00
	High Alumina Mass-K	152.54	156.74	320.74	0.00	0.00	0.00	0.00	0.00	781.89
	High Alumina Mass-C	0.0	0.0	0.0	0	0.0	0.00	0.00	0.00	0.00
Total	152.5	156.7	320.7	78.1	950.6	0.00	0.00	0.0	0.0	2373.89
TOTAL PRODUCTION	152.54	156.74	320.74	130.35	950.62	0.00	0.000	0.00	0.00	6164.89
Process Loss	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00
TOTAL CONSUMPTION	152.54	156.74	320.74	130.35	950.62	0.00	0.000	0.00	0.00	6164.89

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आर.एम.पी-1 में मोरटार, मासेस एव कास्टेबलम् का प्रेषण : मार्च-2020
 DESPATCHES OF MORTARS, MASSES & CASTABLES AT RMP-1 : MAR-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

Prodn.		OHLRS	OHFRS	FDY	S/PIT	RED-I	RED-II	BFLRS	BF	CO
MORTARS	F/C	24.0	12.0	6.0	6.0			24		90
	CHR(M)	3.0						12		
	MGO (M)	3.0	6.0					15		
	MGO (SLM)								12.0	
	BT-1									
	BT-II									
	M1/M2/M3									
	CLM									
	SP-COR-1									
	VAD									
SPL KYN										
HAM70										
MASSES	MGO(P)									
	FBG									
	CHR GROG									
	MCB(0-1)									
TMG										
CASTABLES	LRM	21.0								
	RAKSHAK									
	HAM K	3			30		75	42		12
	HAM C									
	Total	54	18	6	36	0	126	54	0	102

Prodn.		RMP-II	SMS-1	SMS-2	SMS-3	CRR	SP-2	SP-3	RMP-3	Total
MORTARS	F/C				18.0					180.00
	CHR(M)									15.00
	MGO (M)									24.00
	MGO (SLM)									12.00
	BT-1									0.00
	BT-II									0.00
	M1/M2/M3									0.00
	CLM									0.00
	SP-COR-1									0.00
	VAD									0.00
SPL KYN									0.00	
HAM70									0.00	
MASSES	MGO(P)									0.00
	FBG									0.00
	CHR GROG									0.00
	MCB(0-1)									0.00
	TMG									0.00
CASTABLES	LRM									21.00
	RAKSHAK		84.0							84.00
	HAM K									162.00
	HAM C									0.00
	Total	0	84	0	18	0	0	0	0	498.00

आर.एम.पी-1 में मोरटार, मासेस एवं कास्टेबलम् का प्रेषण : अप्रैल-मार्च 2020
DESPATCHES OF MORTARS, MASSES & CASTABLES AT RMP-1 : APRIL-MAR 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

Prodn.		OHLRS	OHFRS	FDY	S/PIT	RED-I	RED-II	BFLRS	BF	CO
MORTARS	F/C	387.0	228.0	118.0	492.0	11.0	428	0.0	0.0	1122
	CHR(M)	135.0	165.0	0	0	2	209	0	0	0
	MGO (M)	3.0	12.0	0	0	0	29	0	0	0
	MGO (SLM)	0	0	0	0	0.0	0	156.0	12	0
	BT-1	0	0	0	0.0	0.0	0	0	0.0	0
	BT-II	0	0	0	0	0	0	0	0	0
	M1/M2/M3	0	0	0	0	0	0	0	0	0
	CLM	0	0	0	0	0	0	0	0	0
	SP-COR-1	0	0	0	0	0	0	0	0	12.0
	VAD	0	0	0	0	0	0	0	0	0
	SPL KYN	0	0	0.0	0.0	0	0.0	0	0.0	0
PL CLAY	0	0	0	0	0	0	0	0	0	
MASSES	MGO(P)	0	0	0	0	0	0	0	0	0
	FBG	0	0	0	0	0	0	0	0	0
	CHR GROG	0	0	0	0	0	0	0	0	0
	MCB(0-1)	0	0	0	0	0	0	0	0	0
	TMG	0	0	0	0	0	0	0	0	0
CASTABLES	LRM	408.0	0	8.0	0	0	0	0	0	0
	RAKSHAK	0	0	0	0	0	0	0	0	0
	HAM K	24	0	0	132	20	384	149.89	0	54
	HAM C	0	0	0	0	0	0	0	0	0
Total		957	405	126	624	33	1050	305.89	12	1188

Prodn.		RMP-II	SMS-1	SMS-2	SMS-3	CRR	SP-2	SP-3	RMP-3	Total
MORTARS	F/C	0.0	0	6.0	108.0	48	0.0	0.0	0.0	2948.00
	CHR(M)	0	0	0	96	0	0	0	0	607.00
	MGO (M)	0	0	0	6	0	0	0	0	50.00
	MGO (SLM)	0	0	0	0	0	0	0	0	168.00
	BT-1	0	0	0	0.0	0	0	0	0.0	0.00
	BT-II	0	0	0	0	0	0	0	0	0.00
	M1/M2/M3	0	0	0	0	0	0	0	0	0.00
	CLM	0	0	0	0	0	0	0	0	0.00
	SP-COR-1	0	0	0	0.0	0	0	0	0	12.00
	VAD	0	0	0	0	0	0	0	0	0.00
	SPL KYN	0	0	0	0.0	0	0	0.0	0.0	0.00
PL CLAY	0	0	0	0	0	0	0	0	0.00	
MASSES	MGO(P)	0	3.0	0	0	0	0	0	0	3.00
	FBG	0	0	0	0	0	0	0	0	0.00
	CHR GROG	0	0	0	0	0	0	0	0	0.00
	MCB(0-1)	0	0	0	3	0	0	0	0	3.00
	TMG	0	0	0	0	0	0	0	0	0.00
CASTABLES	LRM	0.0	0	0.0	0	0	0	0	0	416.00
	RAKSHAK	0	1176.0	0	0	0	0	0	0	1176.00
	HAM K	0.0	0.0	0.0	18.0	0	0	0.0	0.0	781.89
	HAM C	0	0	0	0	0	0	0	0	0.00
Total		0	1179	6	231	48	0	0	0	6164.89

आर.एम.पी. - 2 : मार्च - 2020
REFRACTORY MATERIALS PLANT - 2 : MAR - 2020

सेल:भि.इ.सं/पी.पी.सी.

PRODUCTION OF LIME FLUX	UNIT	MONTH	CUM (19-20)
Lime kiln No. 1	T.	0.0	20398.0
Lime kiln No. 2	T.	4648.0	41738.0
TOTAL :	T.	4648.0	62136.0
Of which +10mm			0.0
+5mm		4648.0	62136.0
-5mm		0.0	0.0
PRODUCTION OF CALCINED DOLOMITE			0.0
Lime kiln No. 1	T.	6503.0	36449.0
Lime kiln No. 2	T.	0.0	12482.0
TOTAL :	T.	6503.0	48931.0
PRODUCTION OF CALCINED LIME : Rotary Klin		3724.0	32576.0
PRODUCTION OF CALCINED DOLOMITE : Rotary Klin		0.0	3149.0
RECEIPT FROM OTHER SHOPS:			0.0
Sinter Dolomite (RMP-1)	T.	0.0	0.0
			0.0
PRODUCTION OF BRICK SHOP:			0.0
MAG.C. BRICKS (RMP-II)	T.	0.0	0.0
MAG.C. BRICKS For Ladles (RMP-II)	T.	0.0	0.0
MAG.C. BRICKS for Converter (BRP)	T.	0.0	0.0
MAG.C. BRICKS For Ladles (BRP)	T.	0.0	0.0
Tap Hole Mass	T.	0.0	16.0
- Well filler mass	T.	9.0	118.5
- Runner mass	T.	119.5	1579.0
Rad Gun Mass	T.	0.0	0.0
LD Gunning Mass	T.	0.0	0.0
Magnesia Mass	T.	0.0	15.5
Mag-Carbon Bricks	T.	36.0	793.5
CONSUMPTION OF RAW MATERIALS:(at L/K & RK)			
Limestone(Jaisalmer) (L/Si) at L/K-1	T.	0.0	34015.0
Limestone(Jaisalmer) (L/Si) at L/K-2	T.	7747.0	69892.0
Limestone(Jaisalmer) (L/Si) at RK	T.	6207.0	54349.0
TOTAL	T.	13954.0	158256.0
Limestone (Kuteshwar) (L/Si) at L/K-1	T.	0.0	0.0
Limestone (Imported) (L/Si)at L/K-2	T.	0.0	0.0
Limestone (Kuteshwar) (L/Si)at RK	T.	0.0	0.0
Nandini Limestone	T.	0.0	0.0
TOTAL	T.	0.0	0.0
Raw dolomite (Captive)(L/K-1 and L/K-2)	T.	13002.0	98117.0
Raw dolomite (Captive)(RK)	T.	0.0	6298.0
Fuel Consumption:			0.0
Fce Oil (LSHS) For:			
Lime Kiln	K.lit	797.0	7796.4
Rotary Kiln		0.0	0.0
PCM for:	K.lit		0.0
Lime Kiln		0.0	0.0
Rotary Kiln		0.0	0.0
CO Gas	NM^3	0.0	0.0
Lime Kiln		0.0	0.0
Rotary Kiln		1934.0	21777.6

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आर.एम.पी. - 2 से प्रेषण : मार्च - 2020
DESPATCHES FROM RMP - II : MAR - 2020

सेल:भि.डु.सं/पी.पी.सी.

PARAMETERS	Opening Balance	Production/ RECEPT	SHOPS																	Total	Closing Balance								
			SMS-1	SMS-2	SMS-3	SALE	SP-2	SP-3	RMP-1	RMP-2	RMP-3	Hy. Lime	BF	PCM	RED-I	RED-II	RED-III	OHP	others										
± 5 mm Lime (SRU-Bhilai)																													
Calced Lime:																													
LK-1		4648.0																											
LK-2	12149.016	0.0	0.0	12502.0	0.0	0.0	0.0	202.0	2964.0	50.0	0.0	0.0	250.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	15993.0	11916.016	
RK		3724.0																											
from RMP-1		0.0																											
from RMP-3		7388.0																											
Total		15760.0																											
Lime from BRP	0.000																												0.0
Calced Dolomite:																													0.000
R Kiln - RMP-2		6503.0		6057.0																									6057.0
from RMP-1		296.0		296.0																									296.0
Total	9812.830	6799.0	0.0	6353.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6353.0	10258.830	
Sinter Dolomite (RMP-1)	0.000	0.0																										0.0	
ARISINGS:																													0.000
Lime Stone fines at L/K	1775.012	3810.0						0.0	3510																				
Lime Stone fines at R/K	0.000	0.0																											
Raw Dolomite Fines	290.177	3030.0							1480.0	0																			
Total	2065.189	6840.0	0.0	0.0	0.0	0.0	0.0	1480.0	3510.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4990.0	3915.189		
T.B.D.B. bricks:																													
Mag.C.Brcks for	539.808	36.0		280.0																								280.0	295.808
Mag.C.brick(Ladle-RMP2)	0.000	0.0																										0.0	
Mag.C.brick (Ladle-BRP)	0.000	0.0																										0.0	
Tap hole mass	3.000	0.0		1.0																								1.0	2.000
Well filler mass	6.000	12.0	12.0																									12.0	6.000
Runner Mass	18.000	119.5														114.0												114.0	23.500
LIME(SRU-BHILAI)	0.000	0.0																										0.0	0.000
Magnesia Mass	8.000	0.0		8.0																								8.0	0.000
Mag. C. Sleeves	0.000	0.0																										0.0	0.000
LD Gunning mass	0.000	0.0																										0.0	0.000
HYDRATED LIME	175.320	250.0							329.5																			329.45	95.870

बेल्लन मिल की लब्धि दर : मार्च-2020
ROLLING MILL YIELD RATES : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : %

PARTICULARS	Month : Yield From			CUM. : Yield from		
	Ingots	Bloom/ Slab	Billets	Ingots	Bloom/ Slab	Billets
<u>Blooms for</u>						
Rails	0.0			0.0		
Structurals	-187.8			24.8		
Billets	88.8			88.9		
Overall	86.0			86.3		
<u>Billets for</u>						
Wire Rod Mill	79.9	94.2		74.0	93.2	
Merchant Mill & sales	82.4	89.1		83.4	87.5	
OverAll	81.2	91.5		79.6	89.6	
<u>Rail & Strl.as rolled</u>						
Rails	85.6	92.8		87.7	92.8	
Structurals	0.0	0.0		0.0	0.0	
Squares	0.0	0.0		86.8	91.9	
Overall	85.6	92.8		87.7	92.8	
<u>As finished</u>						
Rails	84.0	91.1		86.1	91.1	
Structurals	0.0	0.0		0.0	0.0	
Squares	0.0	0.0		0.0	0.0	
Overall	84.0	91.1		86.1	91.1	
Merchant Products	79.4	85.9	96.4	80.4	84.4	96.4
Wire Rods	74.9	88.4	93.8	69.1	87.0	93.3
Plates	86.1	89.9		85.5	90.4	
Yield of Saleable Steel (2.5 MT Stream)	78.5			78.9		
Yield of Saleable Steel (Expn. Stream 4 MT)	89.2			90.3		
Yield of Saleable Steel from Crude Steel	85.7			85.9		

* Yield of Plates Finished form Eq. Crude Steel of 4 MT for Column 1.

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ब्लूमिंग एवं बिलेट मिल : मार्च - 2020
BLOOMING & BILLET MILL : MAR - 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

PARTICULARS	Ingots rolled	Blooms produced		Yield at Shear (%)		Norms
		At shear	Prime	Month	Cum.	
SEMI KILLED MILD						
320X320	343	294	-1156	85.71	83.44	
260X300 (C/SLP)	9	7	-193	77.78	81.82	
240X350	73	64	-36	87.67	88.87	
TOTAL	425	365	-1385	85.88	83.65	
RIMMING						
320X320	198	166	166	83.84	84.26	
260X300	18	15	15	83.33	81.92	
TOTAL	216	181	181	83.80	84.14	
TOTAL FOR BLOOM YARD	641	546	-1204	85.18		
CUM. 2019-20	46998	39342	7817		83.71	59.6

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ब्लूमिंग एवं बिलेट मिल : मार्च - 2020
BLOOMING & BILLET MILL : MAR - 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

PARTICULARS		Ingots rolled	Blooms produced		Yield (%)		
			At shear	Prime	Month	Cum.	Norms
BLOOMS FOR BILLETS							
	SEMI KILLED MILD	39877	36318	36318	91.1	90.0	
	RIMMING	23278	19738	19738	84.8	84.4	
	TOTAL	63155	56056	56056	88.8	88.9	90.0
GRAND TOTAL		63796	56602	54852	88.7		88.72
	CUM	1156686	1026230	994705		88.7	
REPORTABLE PRODUCTION OF BLOOMS					56602	1026230	
UTILISATION FACTOR							
Period	SHIFTS WORKED		AVAILABLE	HOT. HRS	MILL UTILISATION	DELAY / SHIFT	COKE BREEZE CONSUMP.
	BBM	CBM					
	No	No	Hrs.	HRS			
MAR	93.00	93.00	744	270.0	36.3	5.1	750.00
CUM	1045.07	1045.07	8361	4469.0	53.5	3.7	11600.00
ROLLING PERFORMANCE							
PERIOD	INGOT ROLLED PER PIT DAY WORKED	NO. OF PIT WORKED	COLD INGOT	INGOT ROLLED		BILLETS PER SHIFT	
				PER HR	PER SHIFT	SHEAR	PRIME
	T	No.	%	T	T	T	T
MAR	258.5	7.96	2.78	236	686	569	551
CUM	291.0	11.41	22.50	259	1107	888	846
HEAT MOVEMENT							
Period	AV. TRACK TIME	AV. CHARGING TIME		AV. REC. TEMP			
	Hr. mt.	Mt.					
MAR	2:51	30		800			
CUM	03:09	30		800			
ROLL BREAKAGE							
Month	Date & shift	Stand Number	Roll Position	Section Rolled	Expctd. Life (T)	Tonnage Rolled so far	
MAR	-	-	-	-	-	-	

ब्लूमिंग एवं बिलेट मिल : मार्च - 2020
BLOOMING & BILLET MILL : MAR - 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

PARTICULARS	Ingots rolled	Blooms rolled	Billets produced		Yield (%)		Norms	
			At shear	Prime	Month	Cum.		
SEMI-KILLED MILD								
	95X95X5	17943	15360	14420	14220	93.88		
	105X105X6	13944	12251	11536	10209	94.16		
	105X105X12	7391	6215	5854	5854	94.19		
	150X150	599	430	404	322	93.95		
	TOTAL	39877	34256	32214	30605	94.04	93.75	
RIMMING.								
	105X105X12	22993	19549	18421	18421	94.23		
	150X150	285	189	177	177	93.65		
	TOTAL	23278	19738	18598	18598	94.22	94.08	
SHORT LENGTH								
	95X95		434	434	434			
	105X105		1567	1567	1567			
	150X150		61	61	61			
	TOTAL		2062	2062	2062			
	GRAND TOTAL	63155	56056	52874	51265	94.32	96.0	
	CUM.2019-20	1109688	986888	928284	883803	94.06	94.06	
SECTIONWISE PRIME PRODUCTION								
Section		Special	Rimming	S.T.-(Gr 6)	TMT	Others	TOTAL	CUM 2019-20
	95X95X5	0		0	4352	10302	14654	235854
	100X100	0			0	0	0	25076
	105X105X6	0		0	10500	1276	11776	247370
	105X105X12	0	18421		0	5854	24275	333519
	110X110	0		0	0	0	0	0
	150X150	0	177	0	155	228	560	41984
	128X128					0		0
	TOTAL	0	18598	0	15007	17660	51265	883803
	CUM. 2019-20	6649	162403	0	183116	531635		
Reportable Prodn. of Billets :-							52874	928284

(-) denotes rejection.

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ब्लूमिंग एवं बिलेट मिल : मार्च - 2020
BLOOMING & BILLET MILL : MAR - 2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

A. Specific consumption of Services per tonne of products:

PARTICULARS	Unit	Sp.con./T Blooms (at shear)			Sp.con./T Billets(at shear)		
		Month	Cum	Norms	Month	Cum	Norms
HEAT	103KCal	434.00	551.00	-	-	-	-
Electricity	Kwh	24.60	22.77	18.40	22.80	23.41	19.8
Compressed Air	M3	22.46	15.35	5.40	37.05	26.15	5.5
Chilled water	M3	0.00	0.49	0.42	0.00	0.20	0.17
Steam	Kg	7.97	6.54	0.50			
Oxygen	M3	2.26	1.36		1.29	0.80	
Rail Transport	Loco minutes	0.06	0.05		0.52	0.39	
Coke breeze	Kg	13.25	11.30				
HEAT/T of Ingots	103KCal	384.99	488.81	390	-	-	-

B. Stock position of Blooms, Slabs & Billets (Prime): (Unit:Tonne)

Production	Opening Stock	Production prime	Receipt prime	Transferred		Loading		S.V.	Closing Stock
				Mill/ Shop	Quantity	External	Returned to SBS / Throw back of SMS-3 Billets		
Blooms	16098	54852		RSM CBM	0 56056	60		-20	14814
CC BLOOMS	16069		90384	RSM	85473				20980
SLABS	841								841
TOTAL	33008	54852	90384		141529	60	0	-20	36635
BILLETS :-	13408	51265		MM WRM BORIA BRM EXPORT ITO	22824 15963 1163 0 0	747		-2457	21519
TOTAL	13408	51265	0		39950	747	0	-2457	21519
BILLETS (SMS3) :-	3464	0	35111	MM WRM	21106 13232		21 269		3947
TOTAL	3464	0	35111		34338		290	0	3947
Note:- In addition to above, Semis to disposal Stores:				BLOOMS (def)		BILLETS(def)			
				Month *	Cum. @			Month	Cum.
				1750	31525			1609	44481

C. Delays (Hrs.):

Period	Mill CheckUp	Mechanical	Electrical	Operational	Shortage of Gas	Shortage of Steel	Shortage of power (External)	Tong Crane	Misc.	Total
MAR'20	0.00	0.00	0.00	0.00	65.50	289.50	0.00	0.00	119.00	474.00
Cum	35.18	152.75	71.32	25.17	719.90	1295.25	0.00	4.42	1587.62	3891.61

* Includes 0 T of Blooms Defective loaded for IPT for the month of MAR' 20

@ Includes 1302 T of Blooms Defective loaded for IPT for the month of APR-MAR '20

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रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल.भि.इ.सं/पी.पी.सी.

इकाई : टन

P A R T I C U L A R S		BLOOMS ROLLED (Ton)	HOT-SAW PRODN (Ton)	SHIFTS WORKED (Nos)	HOT HOURS (Hrs)	SCRAP (Ton)	SCALE (Ton)	FINISHED PRODN (Ton)	FINISHING SCRAP (Ton)	FINISHING HOURS (Hrs)
KILLED PLAIN CARBON										
RAILS	R-45 Kg BS - 90	0	0	0	0	0	0	0	0	0
	R-52 Kg UTS-90	0	0	0	0	0	0	0	0	0
	R-60 Kg UTS-90	83516	77509.00	93.00	499.9166	4336.7	1670.30	77663	1423	704
	Assy Rails	0	0	0	0	0	0	0	0	0
	TOTAL Rails	83516	77509	93	499.9166	4336.7	1670.3	77663	1423	704
CRANE RAILS	CR - 80	0	0	0	0	0	0	0	0	0
	CR - 100	0	0	0	0	0	0	0	0	0
	CR - 120	0	0	0	0	0	0.00	0	0	0
	TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
SEMI KILLED OTHER THAN RAILS & HIGH CARBON										
BEAMS	250 x 125	0	0	0	0	0	0	0	0	0
	300 x 140	0	0	0	0	0	0	0	0	0
	350 x 140	0	0	0	0	0	0	0	0	0
	400 x 140	0	0	0	0	0	0	0	0	0
	450 x 140	0	0	0	0	0	0	0	0	0
	500 x 180	0	0	0	0	0	0	0	0	0
	600 x 210	0	0	0	0	0	0	0	0	0
	TOTAL	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0
CHANNELS	250 X 82	0	0	0	0	0	0	0	0	0
	300 x 90	0	0	0	0	0	0	0	0	0
	400 x 100	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0
ANGLES	200X200X16	0	0	0	0	0	0	0	0	0
	200x200x20	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	0	0	0	0	0	0
CROSSING SLEEPERS	0	0	0	0	0	0	0	0	0	
SLABS	0	0	0	0	0	0	0	0	0	
SQUARES	200 x 200	0	0	0	0	0	0	0	0	0
	220 x 200	0	0.00	0.00	0.00	0.00	0.00	0	0	0
	225 x 225	0	0	0	0	0	0	0	0	0
	100 x 100	0	0	0	0	0	0	0	0	0
	TOTAL	0	0.00	0.00	0.00	0.00	0.00	0.00	0	0
SUMMARY	FOR THE MONTH									
	RAILS	83516	77509.00	93.00	499.92	4336.70	1670.30	77663	1423	704
	STRUCTURALS	0	0.00	0.00	0.00	0.00	0.00	0	0	0
	SQUARES	0	0.00	0.00	0.00	0.00	0.00	0	0	0
	TOTAL	83516	77509.00	93.00	499.92	4336.70	1670.30	77663	1423	704
	FOR THE YEAR									
	RAILS	992908	921483.50	1071.65	6002.8366	51566.8	19858	884973	16194	8721
	STRUCTURALS	0	0.00	0.00	0.00	0.00	0.00	0	0	0
	SQUARES	31	28.50	0.08	0.84	1.50	0.70	0	0	0
	TOTAL	992939	921512.00	1071.73	6003.68	51568.30	19858.70	884973	16194	8721

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रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

INSPECTION OF RAILS	UTS-90	GR 880 IU	COMMERCIAL RAILS	ACCEPTED	UT Incl UT Rej	SLRR	CLASSIFIED Incl UT Rej	SENT FOR CBRF	PLACED FOR INSPECTION
FOR THE MONTH									
R-45 Kg BS - 90 (Ton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
R-45 Kg BS - 90 (%)	-	-	-	-	-	-	-	-	-
R-52 Kg UTS-90 / Assy. Rails(Ton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
R-52 Kg UTS-90 / Assy Rails (%)	-	-	-	-	-	-	-	-	-
R-60 Kg UTS-90 (Ton)	68023.27	143.37	7678.63	75845.27	1257.91	847.48	77950.66	12361.68	90312.34
R-60 Kg UTS-90 (%)	87.26	0.18	9.85	97.30	0.00	1.09		13.69	
TOTAL (Ton)	68023.27	143.37	7678.63	75845.27	1257.91	847.48	77950.66	12361.68	90312.34
TOTAL (%)	87.26	0.18	9.85	97.30	0.00	1.09		13.69	
FOR THE YEAR									
R-45 Kg BS - 90 (Ton)	0.00	0	0.00	0	0.00	0	0	0.00	0
R-45 Kg BS - 90 (%)	-	-	-	-	-	-	-	-	-
R-52 Kg UTS-90 / Assy. Rails(Ton)	72831.56	1676.36	9174.82	83682.74	1321.63	1102.44	86106.81	14893.15	100999.96
R-52 Kg UTS-90 / Assy Rails (%)	84.58	1.95	10.66	97.18	0.00	1.28		14.75	
R-60 Kg UTS-90 (Ton)	673990.37	16202.26	75847.11	766039.74	13595.01	8275.51	787910.26	144736.46	932646.72
R-60 Kg UTS-90 (%)	85.54	2.06	9.63	97.22	0.00	1.05		15.52	
TOTAL (Ton)	746821.93	17878.62	85021.93	849722.48	14916.64	9377.95	874017.07	159629.61	1033646.68
TOTAL (%)	85.45	2.05	9.73	97.22	0.00	1.07		15.44	

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रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

P A R T I C U L A R S	ROLLING RATE			YIELD AT HOT-SAW			FINISHING YIELD		
	TARGETS	(T/Hrs) MONTH	YEAR	TARGETS	(%) MONTH	YEAR	TARGETS	(%) MONTH	YEAR
KILLED PLAIN CARBON									
RAILS	R-45 Kg BS - 90	-	-	-	-	-	-	-	-
	R-52 Kg UTS-90	-	157.41	-	-	92.80	-	-	90.94
	R-60 Kg UTS-90	155.04	153.08	-	92.81	92.81	-	91.14	91.16
	Assy Rails	-	-	-	-	-	93.1	-	-
	TOTAL Rails	155.04	153.51	-	92.81	92.81	93.1	91.14	91.14
CRANE RAILS	CR - 80	-	-	-	-	-	-	-	-
	CR - 100	-	-	-	-	-	-	-	-
	CR - 120	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-
SEMI KILLED OTHER THAN RAILS & HIGH CARBON									
BEAMS	250 x 125	-	-	-	-	-	-	-	-
	300 x 140	-	-	-	-	-	-	-	-
	350 x 140	-	-	-	-	-	-	-	-
	400 x 140	-	-	-	-	-	-	-	-
	450 x 140	-	-	-	-	-	-	-	-
	500 x 180	-	-	-	-	-	-	-	-
	600 x 210	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-
CHANNELS	250 X 82	-	-	-	-	-	-	-	-
	300 x 90	-	-	-	-	-	-	-	-
	400 x 100	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-
ANGLES	200X200X16	-	-	-	-	-	-	-	-
	200x200x20	-	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-	-	-
CROSSING SLEEPERS									
SLABS									
SQUARES	200 x 200	-	-	-	-	-	-	-	-
	220 x 200	-	33.93	-	-	91.94	-	-	-
	225 x 225	-	-	-	-	-	-	-	-
	100 x 100	-	-	-	-	-	-	-	-
	TOTAL	-	33.93	-	-	91.94	-	-	-
SUMMARY FOR THE MONTH									
	RAILS	155.04	153.51	-	92.81	92.81	93.1	91.14	91.14
	STRUCTURALS	-	-	-	-	-	-	-	-
	SQUARES	-	33.93	-	-	91.94	-	-	-
	TOTAL	148.0	155.04	153.49	-	92.81	92.81	93.1	91.14

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रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

DELAYS (Hrs)	OPR.	MECH	ELECT	PLANNED DELAYS			SHORTAGE OF			HEATING OF METAL
				ROLL&PASS CHANGING	OTHER DELAYS	TOTAL	POWER	GAS	BLOOMS	
FOR THE MONTH	5.33	12.33	3.50	75.50	42.33	117.83	0.00	10.33	3.33	0.00
FOR THE YEAR	100.27	248.41	129.92	1005.84	542.21	1548.05	1.75	82.74	151.90	0.00
							No Space /			TOTAL
							No Order	MISC	DELAYS	
							FOR THE MONTH	0.00	91.43	244.08
							FOR THE YEAR	0	307.27	2570.31
SERVICES CONSUMPTION & TECHNOECONOMIC PARAMETERS										
HEAT / INPUT TARGETS (640.00)	HEAT / OUTPUT	ELECT (59.0)	COMP AIR (70.40)	CHILLED WATER(0.60)	STEAM (1.50)	RAIL TRANSPORT	MILL UTILISA- TION (71.90 %)	PRODN / SHIFT (T)	DELAY / SHIFT (Hrs)	
FOR THE MONTH	715	770	60.14	78.78	0.00	11.65	1.19	67.19	833.43	2.62
FOR THE YEAR	692	745	61.79	82.11	0.39	14.57	1.32	70.02	859.84	2.40
QUALITY-WISE PRODUCTION OF STRUCTURALS										
Products	Quality	Rolled	Finished	Products	Quality	Rolled	Finished			
TOTAL STRUCTURALS							0	0		

रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

SR. NO.	PARTICULARS	OPENING STOCK	PRODUCTION	EXTERNAL DESPATCH	ITO	DISPOSAL	BORIA	STOCK CONV / VERIFICATION	CLOSING STOCK
1	RAILS								
	R-52 KG								
	UTS-90	1323	0	349	0	0	0	-4	970
	GR 880 IU	6	0	13	0	0	0	35	28
	COMMERCIAL RAILS	133	0	123	0	0	0	241	251
	TESTED	1462	0	485	0	0	0	272	1249
	UT	605	0	0	0	0	137	0	468
	SLRR	0	0	0	0	0	0	0	0
	RC	0	0	0	0	0	0	0	0
	UNTESTED	605	0	0	0	0	137	0	468
TOTAL	2067	0	485	0	0	137	272	1717	
R-60 KG	UTS-90	15071	68066	65532	0	0	0	-20	17585
	GR 880 IU	3400	143	913	0	0	0	-79	2551
	COMMERCIAL RAILS	13789	7091	4975	71	0	3931	665	12568
	TESTED	32260	75300	71420	71	0	3931	566	32704
	UT	4552	1517	0	0	0	1097	691	5663
	SLRR	1401	846	0	0	0	2125	0	122
	RC	0	0	0	0	0	0	0	0
	UNTESTED	5953	2363	0	0	0	3222	691	5785
	TOTAL	38213	77663	71420	71	0	7153	1257	38489
	R-45 KG	UTS E1	40	0	0	0	0	0	0
GR 880 IU		0	0	0	0	0	0	0	0
COMMERCIAL RAILS		0	0	0	0	0	0	0	0
TESTED		40	0	0	0	0	0	0	40
UT		0	0	0	0	0	0	0	0
SLRR		0	0	0	0	0	0	0	0
RC		0	0	0	0	0	0	0	0
UNTESTED		0	0	0	0	0	0	0	0
TOTAL		40	0	0	0	0	0	0	40
ASSY. RAILS		UTS-90	14	0	0	0	0	0	0
	GR 880 IU	0	0	0	0	0	0	0	0
	COMMERCIAL RAILS	106	0	0	0	0	0	0	106
	TESTED	120	0	0	0	0	0	0	120
	UT	757	0	0	0	0	0	0	757
	SLRR	0	0	0	0	0	0	0	0
	RC	0	0	0	0	0	0	0	0
	UNTESTED	757	0	0	0	0	0	0	757
	TOTAL	877	0	0	0	0	0	0	877
	TOTAL RAILS.	UTS-90	16448	68066	65881	0	0	0	-24
GR 880 IU		3406	143	926	0	0	0	-44	2579
COMMERCIAL RAILS		14028	7091	5098	71	0	3931	906	12925
TOTAL TESTED		33882	75300	71905	71	0	3931	838	34113
UT		5914	1517	0	0	0	1234	691	6888
SLRR		1401	846	0	0	0	2125	0	122
RC		0	0	0	0	0	0	0	0
TOTAL UNTESTED		7315	2363	0	0	0	3359	691	7010
TOTAL		41197	77663	71905	71	0	7290	1529	41123

रेल एवं स्ट्रक्चरल मिल : मार्च-2020
RAIL AND STRUCTURAL MILL : MARCH-2020

सेल.भि.इ.सं/पी.पी.सी.

इकाई : टन

SR. NO.	PARTICULARS	OPENING STOCK	PRODUCTION	EXTERNAL DESPATCH	ITO	DISPOSAL	BORIA	STOCK CONV / VERIFICATION	CLOSING STOCK	
2	STRUCTURAL	CR - 80	215	0	0	0	0	0	215	
	CRANE RAILS	CR - 100	318	0	0	0	0	0	318	
		CR - 120	108	0	0	0	0	0	108	
		TOTAL	641	0	0	0	0	0	641	
	BEAMS	Beam 250x125	0	0	0	0	0	0	0	
		Beam 300x140	0	0	0	0	0	0	0	
		Beam 350x140	0	0	0	0	0	0	0	
		Beam 400x140	4	0	0	0	0	0	4	
		Beam 450x150	0	0	0	0	0	0	0	
		Beam 500x180	0	0	0	0	0	0	0	
		Beam 600x210	84	0	0	0	0	0	84	
		TOTAL	88	0	0	0	0	0	88	
	CHANNELS	Channel 250x82	0	0	0	0	0	0	0	
		Channel 300x90	0	0	0	0	0	0	0	
		Channel 400x100	50	0	0	0	0	0	50	
		TOTAL	50	0	0	0	0	0	50	
	ANGLES	Angle 200x200x16	0	0	0	0	0	0	0	
		Angle 200x200x20	0	0	0	0	0	0	0	
		TOTAL	0	0	0	0	0	0	0	
	CROSSING SLEEPERS	16	0	0	0	0	0	0	16	
	SLABS	0	0	0	0	0	0	0	0	
	SQUARES	Bloom 200x200	0	0	0	0	0	0	0	
		Bloom 220x220	0	0	0	0	0	0	0	
		Bloom 225x225	0	0	0	0	0	0	0	
		Billet 100x100	0	0	0	0	0	0	0	
		TOTAL	0	0	0	0	0	0	0	
	TOTAL STRUCTURALS	795	0	0	0	0	0	0	795	
	3	TOTAL RAILS & STRUCTURALS	41992	77663	71905	71	0	7290	1529	41918
		RAILS + CR RAILS	41838	77663	71905	71	0	7290	1529	41764
		STRLS - CR RAILS	154	0	0	0	0	0	0	154
		TOTAL	41992	77663	71905	71	0	7290	1529	41918

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यूनिवर्सल रेल मिल : मार्च-2020
UNIVERSAL RAIL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

Particulars	Blooms Rolled	Hot-Saw 3 Production	Number of Shifts	Rolling Hours	Scrap	Scale	Finished Production	Finishing Scrap	Finishing Hours
MONTH									
R-60 Kg Rails	56610	53542	91	431	1936	1132	55757	1337	563
Total Rails	56610.3	53542	91	431	1936	1132	55757	1337	563
YEAR									
R-60 Kg Rails	647991	609978	1035	5140	25053	12960	604396	20207	6399
Total Rails	647991	609978	1035	5140	25053	12960	604396	20207	6399

Services Consumption , Techno Economic Parameters and Delays Breakup

Particulars	Unit	Norms 2019-20	Month	Year	Delays in Hours:		
					Operational	Month	Year
Finished Yield	%	93.8	98.5	93.3	Mechanical	5.8	221.5
Mill Availability	%	90.7	98.3	94.3	Electrical	6.0	335.3
Mill Utilisation	%	73.3	59.0	62.1	Roll & Pass	34.8	628.2
Rolling Rate	T/Hr	146.0	124.1	118.7	Other	29.5	483.5
Production / Shift	T	-	610.2	3.1	Shortage of Gas	0.0	6.3
Delay/ Shift	Hrs	-	3.3	3.0	Shortage of Power	2.5	14.7
Heat/ T of Input	M cal/ T	415.0	349.5	370.2	Shortage of Steel	0.0	37.1
Heat/ T of Output	M cal/ T	80.2	369.5	393.2	Bad Metal	0.0	57.2
Electricity	Kwh/T	80.2	109.3	110.8	Finishing	90.0	810.1
Compressed Air	M3/T	57.0	50.0	52.2	Misc.	119.0	181.8
Loco Hours	Minute/T	-	0.9	1.1	Total Delays	299.7	3142.8

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यूनिवर्सल रेल मिल : मार्च-2020
UNIVERSAL RAIL MILL : MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई : टन

Particulars	Month Opening Stock	Finished	Loading			Boria	Stock Conversion / Verification	Month Closing Stock
			External	ITO	Disposal			
Rails R-60 KG								
UTS-90	27622	51735	48412	0	0	0	-11	30934
Commercial Rails	5317	2066	506	0	0	0	-999	5878
Tested	32939	53801	48918	0	0	0	-1010	36812
UT	90	1956	0	0	2222	653	1223	394
SLRR	0	0	0	0	0	0	0	0
UnTested	90	1956	0	0	2222	653	1223	394
Total	33029	55757	48918	0	2222	653	213	37206
Inspection of Rails								
	Particulars	UTS-90	Commercial Rails	Accepted	UT	SLRR	Classified	Placed for Inspection
MONTH	R-60 Kg Rails (T)	51772.33	2174.41	53946.74	1646.62	0.00	55593.36	55593.36
	R-60 Kg Rails (%)	93.13	3.91	97.04	2.96		100.00	
YEAR	R-60 Kg Rails (T)	538517.45	38229.49	576746.94	16934.17	0.00	593681.11	593681.11
	R-60 Kg Rails (%)	90.71	6.44	97.15	2.85		100.00	

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मर्चेट मिल: मार्च-2020
MERCHANT MILL: MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

PROFILE/SECTION	INPUT T	OUTPUT T	SCRAP T	SCALE T	NORM	YIELD %	NO.OF SHIFTS	ROLLING HOURS	ROLLING RATE T/Hr.
ROUNDS :									
25 TMT	20038	19316.30	200.38	520.98	96.4	96.40	37.37	249.55	77.40
32 TMT	24482	23600.90	244.82	636.54	96.4	96.40	52.13	226.95	103.99
TOTAL(TMT) :	44520	42917.20	445.2	1157.52	96.4	96.40	89.50	476.50	90.07
TOTAL(PLAIN) :	0	0.00	0.00	0.00	96.4	-	0.00	0.00	-
TOTAL(ROUNDS) :	44520	42917.20	445.2	1157.52	96.4	96.40	89.50	476.5	90.07
BEAMS :									
TOTAL:	0	0.00	0.00	0.00	96.4	-	0.00	0.00	-
BILLETS :									
TOTAL:	0	0.00	0.00	0.00	96.4	-	0.00	0.00	-
TOTAL ROUNDS & BARS	44520	42917.20	445.2	1157.52	96.4	96.40	89.50	476.5	90.07
LIGHT STRUCTURALS FLAT :						-			-
TOTAL:	0	0.00	0.00	0.00	96.4	-	0.00	0.00	-
ANGLES :									
TOTAL:	0	0.00	0	0.00	96.4	-	0.00	0.00	-
CHANNEL :									
TOTAL:	0	0.00	0.00	0.00	96.4	-	0.00	0.00	-
TOTAL LIGHT STRUCTURALS	0	0.00	0	0.00	96.4	-	0.00	0.00	-
GRAND TOTAL :	44520	42917.20	445.20	1157.52	96.4	96.40	89.50	476.50	90.07

मर्चेट मिल: मार्च-2020
MERCHANT MILL: MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

STOCK POSITION									
PROFILE/SECTION	OPENING STOCK	Prodn	LOADING				ADJ	SV	CLOSING STOCK
			External @	ITO	DISP.	Total Loading			
25 TMT	718.21	19316.30	18680.97	31.90	1250.00	19962.87		-13.82	57.82
28 TMT	518.06				200.00	200.00		-3.07	314.99
32 TMT	570.29	23600.90	15404.64		1865.00	17269.64		-28.62	6872.93
36 TMT	383.07							-1.81	381.26
40 TMT	112.80							-0.88	111.92
TOTAL TMT	2302.44	42917.20	34085.61	31.90	3315.00	37432.51	0.00	-48.20	7738.93
PLAIN ROUNDS								0.00	
32	7.00							0.00	7.00
36	93.54							0.00	93.54
53	8.00							0.00	8.00
TOTAL(PLAIN)	108.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.54
TOTAL ROUNDS	2410.98	42917.20	34085.61	31.90	3315.00	37432.51	0.00	-48.20	7847.47
BEAMS									
90X20									
100X10									
110X30									
120X50									
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
BILLETS									
40X40	770.00							-0.85	769.15
TOTAL	770.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.85	769.15
TOTAL ROUNDS & BARS	3180.98	42917.20	34085.61	31.90	3315.00	37432.51	0.00	-49.05	8616.62
LIGHT STRUCTURALS									
ANGLES									
50x50x6	5.49			3.50		3.50		-1.44	0.55
65x65x6	179.88		22.70	38.40		61.10		-44.93	73.85
65x65x8	476.07		21.80			21.80		-0.43	453.84
65x65x10	0.95							-0.91	0.04
70x70x5	0.00								0.00
70x70x6	0.00								0.00
70x70x8	0.00								0.00
75x75x5	0.00								0.00
75x75x6	223.22		16.80	1.90	154.00	172.70		-1.74	48.78
75x75x8	155.15			7.00	100.00	107.00		-16.48	31.67
75x75x10	163.92				126.00	126.00		-2.38	35.54
TOTAL:	1204.67	0.00	61.30	50.80	380.00	492.10	0.00	-68.31	644.26
CHANNELS								0.00	
75X40	303.49							-1.32	302.17
100X50	145.01							-0.40	144.61
TOTAL:	448.50	0.00	0.00	0.00	0.00	0.00	0.00	-1.72	446.78
FLATS								0.00	
50X10	39.70								39.70
TOTAL:	39.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.70
TOTAL LIGHT STRUCTURALS	1692.87	0.00	61.30	50.80	380.00	492.10	0.00	-70.03	1130.74
GRAND TOTAL:	4873.85	42917.20	34146.91	82.70	3695.00	37924.61	0.00	-119.08	9747.36

@ Includes Def./Cutting loaded for IPT for the month of MAR'20 0.00 T
Def./Cutting loaded for IPT for the month of APR'19 MAR'20 0.00 T

मर्चेट मिल: मार्च-2020
MERCHANT MILL: MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

इकाई:टन

Profile/Section	SPECIFICATION-WISE PRODUCTION												TOTAL	
	FE-415	FE-415-D	FE 500D HCR	Fe-500-DEQR	FE-500	Fe-500 HCR	FE-500 EQR	FE 550 D	BS4449B500 BCRS	FE 500 S	Off Grade	CUTTING		DEF.
25 TMT			3735.12	13976.55								1572.00	32.63	19316.30
32 TMT			1258.20	20894.65								1156.00	292.05	23600.90
TOTAL	0.00	0.00	4993.32	34871.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2728.00	324.68	42917.20
Profile Section	SPECIFICATION-WISE PRODUCTION												TOTAL	
	Fe-410WA (IS 2062 Gr A)	Fe-410 WITH Cu	EXPORT GR.A	Fe-490 GR.B	Fe-500	40X	CI-IV	Rail Steel	XXXXX	Off Grade	CUTTING	DEF.		
PLAIN ROUND														
TOTAL PLAIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOT. ROUNDS	0.00	0.00	4993.32	34871.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2728.00	324.68	42917.20
BILLETS														
TOT. BLTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BEAMS														
TOT. BEAMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL RDS & BARS	0.00	0.00	4993.32	34871.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2728.00	324.68	42917.20
	TESTED	OFF GR.	CUTT.	DEF.	TOTAL									
	39864.52	0.00	2728.00	324.68	42917.20									

मर्चेंट मिल: मार्च-2020
MERCHANT MILL: MARCH-2020

सेल.भि.इ.सं/पी.पी.सी.

इकाई: टन

SPECIFICATION-WISE PRODUCTION														
Profile / Section	Fe-410WA (IS 2062 Gr A)	IS 2062 Gr BO (FE410W A)	Fe-410 With Cu2062	EXPORT (IS 2062 Gr A)	Fe-410WA (IS 2062 Gr -A MICRO ALLOY)	SAILMA 410- HI WITH CU	WTTC IP	SAILMA 410- HI	IS2062 E410-C	IS 2062 Gr BR (FE410 WA)	Off Grade	Cuttings	Defective	TOTAL
ANGLES														
TOTAL ANGLES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHANNELS														
TOTAL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FLATS														
TOTAL:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GRAND TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FOR THE MONTH		TESTED	OFF GR.	CUTT.	DEF.	TOTAL								
RDS & BARS		39864.52	0.00	2728.00	324.68	42917.20								
LT. STRLS		0.00	0.00	0.00	0.00	0.00								
MM PRODUCTS		39864.52	0.00	2728.00	324.68	42917.20								

मर्चेट मिल: मार्च-2020
MERCHANT MILL: MARCH-2020

सेल:भि.इ.सं/पी.पी.सी.

CONSUMPTION OF SERVICES

PARTICULARS	HEAT		Electricity	Steam	Compressed Air	Chilled Water	Rail Transport
	Input	Output					
Units	Mcal/T		KWH/TP	Kg./TP	NM 3 /TP	M 3/TP	Loco Minutes
NORMS	530	-	48.8	1.80	27.0	0.42	-
MAR'20	557	578	54.64	10.51	51.28	0.00	1.62
YEAR 2019-20	621	644	54.76	13.63	55.38	0.37	1.87

TECHNO-ECONOMIC INDICES

PERIOD	Average Production/ Shifs	Average Delays/ Shifs	Average Hot hrs/ Day	Mill Availability	Mill Utilisation (Av.Hrs.)	Mill Utilisation (Cal.Hrs.)	Average Hot hrs/ Cal. Day
	(Tonne)	(Hr)		(%)	(%)	(%)	
NORMS	-	-	-	90.2	93.1	-	-
MAR'20	480	2.68	15.97	96.24	66.55	64.05	15.37
YEAR 2019-20	490	2.14	17.57	91.54	73.20	67.00	16.08

ANALYSIS OF DELAYS

PERIOD	Operation	Mechanical	Electrical	Gas	Shorsage of Billets	Bad Metal	Power	Planned	Others	TOTAL
MAR'20	1.00	14.66	0.50	31.25	15.67	41.00	0.00	21.17	114.25	239.50
YEAR 2019-20	50.77	130.95	15.40	1194.39	108.93	142.18	15.85	338.72	157.81	2155.00

WIRE ROD MILL

वायर राड मिल

MARCH 2020

SAIL : BSP

SECTION	QUALITY	INPUT	PRODUCTION			GROSS YIELD (%)		
		(T)	GROSS	REJ	NET	MONTH	CUM	TARGET
5.5 mm	SWR-14							
	SWR-10	1017	961.62	7.52	954.10			
	EQ	3766	3575.76	16.92	3558.84			
	EXPORT							
	SA-12							
	Sub-Total	4783	4537.38	24.44	4512.94	94.9	92.5	95.5
6 mm	SWR-14							
	SWR-10	1501	1376.16	3.76	1372.40			
	EQ	7604	6987.02	30.08	6956.94			
	EXPORT							
	SA-12							
	Sub-Total	9105	8363.18	33.84	8329.34	91.9	92.6	95.5
7 mm	SWR-14							
	SWR-10	364	348.74	5.64	343.10			
	EQ	1462	1384.62	5.64	1378.98			
	EXPORT							
	SA-12							
	Sub-Total	1826	1733.36	11.28	1722.08	94.9	93.5	95.5
8 mm	SWR-14							
	SWR-10							
	EQ	33	29.14		29.14			
	EXPORT							
	TMT 415 D							
	TMT 500 D	4822	4568.40	1.88	4566.52			
	Sub-Total	4855	4597.54	1.88	4595.66	94.7	93.9	95.5
10 mm	SWR-14							
	SWR-10							
	TMT 415 D							
	TMT 500 D	8720	8240.04	24.44	8215.60			
	Sub-Total	8720	8240.04	24.44	8215.60	94.5	94.4	95.5
	12 mm	SWR-14						
Sub-Total						95.1	95.5	
GRAND TOTAL		29289	27471.50	95.88	27375.62	93.8	93.3	95.5
CUMULATIVE		359192	335296.12	1553.82	333742.30			95.5

SECTION	SHIFTS WORKED	HOT HOURS	OUTPUT PER		DELAYS/SHIFT	MILL UTILISATION	TOTAL DELAYS
			HOT HOUR	SHIFT			
mm	Nos.		Tonne	Tonne	Hrs.	%	Hrs.
5.5	15.0	82.0	55.3	302.5	2.53	68.3	38.0
6	39.0	167.0	50.1	214.4	3.72	53.5	145.0
7	3.5	28.0	61.9	495.2	0.00	100.0	0.0
8	10.5	78.0	58.9	437.9	0.57	92.9	6.0
10	21.0	144.4	57.1	392.4	1.12	86.0	23.6
12	0.0	0.0					0.0
TOTAL	89.0	499.4	55.0	308.7	2.39	70.1	212.6
CUM.	1010.4	5508.9	60.9	331.9	2.55	68.2	2574.1

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WIRE ROD MILL

वायर रोड मिल

MARCH 2020

Unit: Tonne

PARTICULARS	SWR-14	SWR-10	(EQ) RIMMING	Export	SA-12	IS 2062	SAE 1010	SAE 1008	TMT 415	TMT 500	TMT HCR-415	TMT HCR- 500	TMT 415 D	TMT 500 D	DEF.	TOTAL	CUM.
																FOR THE MONTH	SO FAR
PRODUCTION																	
5.5mm		954.1	3558.8												24.4	4537.4	43680.9
6 mm		1372.4	6956.9												33.8	8363.2	118375.1
7 mm		343.1	1379.0												11.3	1733.4	35524.5
8 mm			29.1											4566.5	1.9	4597.5	56219.5
10 mm														8215.6	24.4	8240.0	69000.7
12 mm																	12495.4
TOTAL		2669.6	11923.9												12782.1	95.9	27471.5
CUM.	344.0	66952.4	126191.1		28.2	5177.5				511.4	101.5	6537.7	981.4	127917.1	1553.8	335296.1	
EXTERNAL DESPATCHES																	
5.5mm		629.8	3223.3													3853.1	41909.9
6 mm		1040.6	6925.9			36.7										8003.2	116450.0
7 mm		149.5	1159.0			19.7										1328.2	34893.7
8 mm			29.1											4563.7		4592.8	54405.3
10 mm														8307.7		8307.7	66990.0
12 mm																	11993.5
TOTAL		1819.8	11337.3			56.4									12871.4	26085.0	326642.5
CUM.	314.0	64898.5	124324.4			5149.3						6309.3	42.3	125604.7		326642.5	
DESPATCHES TO DISPOSAL																	
5.5mm																136.3	1273.7
6 mm																266.0	1595.2
7 mm																61.1	835.7
8 mm																249.1	1325.4
10 mm																242.5	1009.6
12 mm																75.2	464.4
TOTAL																1030.2	6503.9
CUM.																6503.9	6503.9
I.T.O.																	
5.5mm																	68.6
6 mm		58.3														58.3	284.8
7 mm																	
8 mm														0.9		0.9	45.1
10 mm														35.7		35.7	387.3
12 mm														2.8		2.8	192.7
TOTAL		58.3													39.5	97.8	978.5
CUM.		316.8			28.2	8.5				92.1			57.3	475.6		978.5	

STOCK POSITION							
OPENING STOCK	Production	Recovery from Salvage	External	DISPOSAL / BORIA	ITO	TOTAL	Closing Stock
5734	27472	0	26085	1030	98	27213	5992.50

DELAYS													
DELAYS (Hr)	Planned	Operation	Conveyor	Bad Metal	Billet Shipment	Mechanical	Electrical	Gas Shortage	Power Shortage	Technical	Inadequate Orders	Miscellaneous	TOTAL
MONTH	14.33	10.33	0.00	10.34	1.50	21.67	1.08	30.00	0.00	0.00	0.00	123.33	212.58
CUMULATIVE	215.32	312.01	0.00	410.67	58.09	263.01	104.40	881.33	18.00	0.00	0.00	311.25	2574.08

CONSUMPTION OF SERVICES						
PARTICULARS	Per Tonne of Input	Per Tonne of Output	Consumption per tonne of output			
			Heat	Electricity	Compressed Air	Chilled Water
ACTUAL	508.0	541.6	131.0	82.2	0.00	313.4
CUMULATIVE	564.7	604.9	138.0	83.5	0.57	381.7
TARGET	435	-	110	34.9	0.42	40

प्लेट मिल : मार्च- 2020
PLATE MILL : MARCH - 2020

सेल:भि.इ.सं./पी.पी.सी.

इकाई : टन

PERIOD	Slabs Rolled	Plates Finished	Yield (%)	Plates Normalised	Plates Loaded				
MAR2020	79715	71703	89.95	4273	62080				
APR-MAR	965917	872838	90.36	76178	842750				
QUALITY & THICKNESS WISE FINISHED PRODUCTION :									
QUALITY	THICKNESS (MM)							APR-MAR	
	Below 12	12	13-20	21-32	33-40	41-56	Above 56	Total	
B.Q	146	723	1202	576	48	0	0	2695	
B.Q (EXP)	0	0	0	0	0	0	0	0	
H.T(HS) Included HSD	133	476	3452	2897	1132	106	147	8343	
Out of which H S D	0	0	0	61	0	0	0	61	
IS-2062 Gr.A	0	0	0	0	0	0	0	0	
IS-2062 Gr.A Cu	0	0	0	0	0	0	0	0	
IS-2062 Gr.B	388	15074	26619	11901	3648	357	757	58744	
IS-2062 Gr.B Cu	2	0	0	357	0	0	0	359	
IS-2062 Gr.C	0	18	0	16	0	0	0	34	
IS-2062 Gr.C Cu	2	0	0	0	0	0	0	2	
IS 5986 2017 ISH 360 S CU	0	0	0	0	0	0	0	0	
HT (EXP)	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
EXP(ORDINARY)									
IS 2062 E 250 BR 2011 RA 201	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	
SBQ EXP- ABS GR A	0	0	0	0	0	0	0	0	
LRS GR A	0	0	0	0	0	0	0	0	
SBQ HS- LRS GR A	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
- LRS GR B	0	0	0	0	0	0	0	0	
OFF GRADE	0	0	0	0	0	0	0	0	
COMMERCIAL	0	0	0	0	0	0	0	0	
DEFECTIVE	19	418	0	185	67	41	48	778	
WTCC IP	0	742	2	4	0	0	0	748	
OTHERS	0	0	0	0	0	0	0	0	
TOTAL	690	17451	31275	15936	4895	504	952	71703	
APR-MAR	22629	112313	509076	172383	37461	11553	7423	872838	
0									
Period	Shifts Rolled	Mill Availability	Mill Utilisation	SLAB ROLLED		Delays	Total Rolling	Rolling Hrs.	Rolling Hrs.
	No.	%	%	Per Shift	Per Hr.	Per Shift	Hrs.	Per day	Per Cal. day
NORMS		84.20	91.50	Tonne	Tonne	Hr.	Hr.	Hr.	Hr.
MAR	89.0	95.7	65.2	895	171.6	2.8	464.6	15.7	15.0
APR-MAR	1031.4	93.9	73.8	937	158.6	2.1	6091.2	17.7	16.6
SPECIFIC CONSUMPTION OF SERVICES (PER TONNE OF FINISHED PLATES)									
Period	Electricity	Steam	Compressed Air		Chilled Water	Oxygen		Heat for Slabs Rolled	
	KWH	Kg.	M3		M3	M3		106KCal	
NORMS	87.9	37.0	73.0		0.32	2.8		500.0	
MAR2020	111.6	58.6	65.5		0.48	4.4		527.3	
APR-MAR	111.9	66.7	108.1		0.47	3.9		548.1	
DELAYS (HRS.)									
Period	Opr.	Mech.	Elect.	Planned	Shortage of		Others	Total	
					Slabs	Gas			
MAR2020	8.5	68.0	13.2	18.0	23.0	14.4	102.7	247.8	
APR-MAR	79.3	607.3	206.8	144.8	411.3	377.3	333.0	2159.8	
DESPATCHES									
Opening Stock	Production Finished	External	Internal			Cutting Loss	STOCK Verification	Closing Stock	
			I.T.O.	Disp/Boria	Total				
38376	71703	58023	1126	2931	4057	0	-1500	46499	

ढलाई शाला :मार्च 2020
FOUNDRY AND PATTERN SHOP :MAR -2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS		LIQUID		AS CAST		FINISHED	
		STEEL				(INSPECTED)	
IRON * CASTING	Month	0		1549.45		1787.0	
	Cum.	0		27619		27456	
Steel Castings	Month	205.52		143.148		154.8	
	Cum.	2584.90		1867.33		1895.4	
Non-Ferrous Castings	Month	0		86.622		87.4	
	Cum.	0		1163.618		1168.1	
CASTING PARTICULARS		5 TONNE ELECTRIC FCES.(STEEL)			CUPOLA	MIXER	
		INGOT	PLAIN CARBON STEEL	ALLOY STEEL	CAST IRON	CAST IRON	
Casting		0	133.8	9.3	0	1549.4	
Loss		0	11.5	1.6	0	78.2	
Foundry Return		0	96.4	16.4	0	102.4	
Rejection		0	0	0	0	55.800	
Total scrap		0	96.440	16.4	0	158.159	
CONSUMPTION OF MATERIALS & SCRAP							
Hot metal		0	0	0	0	1730.0	
Pig iron		0	0	0	0	0	
Foundry Return		0	0	0	0	-	
Iron ore		0	0.00	0.00	0		
Steel scrap		0	186.50	21.00	0		
Alloy scrap		0	0.00	2.50			
Ferro Molybedenum		0	0	0.16			
Ferro Manganese		0	0.25	0.050			
Ferro chrome		0	0	2.69			
Ferro silicon		0	4.50	0.49	0		
Aluminium		0	0.00	0.00			
Nickel		0	0	0.5		0	
Lime		0	0.00	0.00			
Limestone		0	0	-	0		
Mg/Dolo		0	4.05	0.59			
SiMn Supply		0	0	0	0	9.77	
No.of heat made		0	25	4	0	24	

*EXCLUDING ALLOY CAST IRON

ढलाई शाला :मार्च 2020

FOUNDRY SHOP :MAR-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	CAST IRON		STEEL		NON-FERROUS
	Nos.	Tonnes	Nos.	Tonnes	
ITEMWISE PRODUCTION INSPECTED					
Ingot mould Month	104	967.2		-	-
Cum	1836	17074.6			
Bottom stool Month	107	734.0		-	-
Cum	1379	9459.8			
Special ingots Month			0	0.0	-
Cum			8	72.1	
Charging box Month			3	8.0	-
Cum			99	264.13	
Melting of scrap					0.0
AL. SHOTS					67.72
AL.CUBES					13.92
Engineering casting		87.8		146.8	5.8
TOTAL :(Tonnage) Month		1789.1		154.8	87.4
Cum		28138.4		1895.2	1168.3
REGULAR ITEM (Nos.)	CUPOLA	MIXER	5.0 T. ELECTRIC FURNACE	TOTAL	
Ingot mould Month		144	-	144	
Cum.	-	1657	-	1657	
Bottom stool Month	-	174	-	174	
Cum.	-	1640	-	1640	
Charging box Month	-	-	4	4	
Cum.	-	-	97	97	
Pig casting Mould Month	-	-	0	0	
Cum.	-	-	0	0	
Special steel ingot Month	-	-	0	0	
Cum.	-	-	0	0	
	-				
CONSUMPTION OF MOULDING MATERIALS (T) :					
	FOUNDRY SHOP :MAR-2020		Cum.		
Quartzite sand	0		0		
Silica sand	242		1305		
Bentonite Powder	0		0		
Saw dust (dry)	0		0.0		
Molasses	0		0.0		
INGOT MOULD DESP TO DURGAPUR (NOS)	0		0		
BOTTOM STOOL DESP TO DURGAPUR (NOS)	0		0		
INGOT MOULD DESP TO BOKARO (NOS)	0		0		
BOTTOM STOOL DESP TO BOKARO (NOS)	0		0		

ढलाई शाला :मार्च 2020

FOUNDRY SHOP : MAR-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	0.5 TONNE ELECTRIC FCES.	
	NON-FERROUS	ALLOY CAST IRON
Casting	86.62	1.90
Loss	1.49	0.09
Foundry Return/Riser	...244/0	..086/0
Rejection	0.00	0.00
	CONSUMPTION OF MATERIALS & SCRAP:	
	NON FERROUS	ALLOY CAST IRON
Pig iron	-	0
Brass ingots	-	-
Bronze	-	-
Copper ingots	4.22	-
Tin	0.00	-
Phosphorous copper	0.00	-
Ferro-silicon	0.00	0.05
Fe(st scrap)	0.00	-
Ferro Manganese	0.17	0.03
Aluminium	83.84	-
Zinc	0.13	-
Copper Scrap	0.00	-
Nickel	0.00	0.00
Lead	0.00	-
Foundry return	0.00	0.00
Aluminium scrap	0.00	-
Non-Ferrous scrap	0.00	0.00
Fero chrome.	0.00	0.00
Ferro Molybdenum	0.00	-
Remelted pigs	0.00	-
Lime	-	0.00
Disposed scrap	0.00	-
No. of heats	39	2
Note;- Alloy Cast Iron is melted in NF section and tonnage (CAST/PASS) Is included in mixer.		
PATTERN SHOP :		
Pattern made (new)	13 Nos	
Pattern repaired	4 Nos	
Wood consumed	.323 M3	

सहायक शॉपस:मार्च-2020
AUXILIARY SHOP :MAR-2020

सेल:बी.एस.पी./पी.पी.सी.

(इकाई: टन)

PARTICULARS	PRODUCTION		
	Month	Cum	
MACHINE SHOP - 1			
Absolute HRS	11720	208071	
MACHINE SHOP - 2			
Absolute HRS	3786	45276	
MACHINE SHOP - 3			
Absolute HRS	1176	18715	
FORGE SHOP			
Forging, Services & Stampings	69.14	1139	
STEEL STRL.SHOP			
Insert plates	201.6	4787	
Fabrications	163.72	3143	
Total :	365.32	7930	
ELEC.REPAIR SHOP	JOBS COMPLETED		
	Unit	Month	Cum.
Equipment Repairs	Nos.	278	3422
A) Coil	Nos.	36	1098
B) Contracts &	Nos.	1700	20730
Misc. Parts			
Total (A+B):	Nos.	1736	21828

वाष्प का उत्पादन एवं वितरण : मार्च-2020
GENERATION AND DISTRIBUTION OF STEAM : MAR - 2020

सेल:भि.इ.स./पी.पी.सी.

इकाई : टन

Particulars	66 ata Steam	40 ata Steam	18 ata Steam	15 ata Steam	12 ata Steam	10 ata Steam	8 ata Steam	Total Steam for Distribution
PBS-1								
Steam Production		287606						
Steam produced		287606						
Steam Distribution								
Turbo Generators		85828						
PRDU, (40/18+40/8+8 ata steam to BF1-6)		18955						
Turbo Blowers		100914						
T. B. (change over & trial runs.)		0						
Internal consumption		19100						
Supplied to P B S - 2		60507						
Losses		2301						
Total		287606						
Process Steam								
Reducer 40/18 atm.			8539					8539
Reducer 40/8 atm.							0	0
8/13 Bleeders (BF 1 to 6)							5856	5856
Reducer 40/12 atm.					4560			
Steam for Distribution			8539	0	4560	0	5856	14395

PBS-2								
Steam Production								
Steam produced in Boilers		96533						
Steam received from PBS-1		60507						
Total steam produced / receipt		157040						
Steam Distribution								
Steam consumed in STBs		90652						
Steam consumed in STGs		24025						
40/15 ata process steam		11856						
40/12 ata process steam		21242						
Internal consumption		7834						
Losses		1431						
Total		157040						
Process Steam								
40/15 ata process steam				11856				11856
40/12 ata process steam					21242			21242
Steam for Distribution			0	11856	21242	0	0	33098

Steam export by Power Plant No.-2								
Process Steam								
Reducer 60/18			57777					57777
Reducer 60/8							41549	41549
Total Export from PP-2			57777	0	0	0	41549	99326

CDCP Boilers, BPTG and PRDS								
Steam Production								
Steam produced in CDCP Boilers	38392							
Steam Distribution								
66/10 ata process steam	32386							
66/18 ata process steam	0							
Internal consumption in CDCP Boilers	1711							
Losses / Atmospheric venting	384							
Internal consumption in BPTG	3911							
Total	38392							
Process Steam								
Reducer 66/18			0					0
Reducer 66/10						32386		32386
Steam for Distribution			0	0	0	32386	0	32386

Process Steam from Plate Mill & DCDA								
Steam from Plate Mill							8752	8752
Steam from DCDA							0	0.00
Total			66316	11856	25802	32386	56157	187957

DISTRIBUTION OF STEAM

Particulars	MAR - 2020	
	ALLOC. (%)	Qty(T)
Total 8 ata Steam for Distribution		56157
8 ata Steam consumption at BF's (8/13+Actual or 240 T/Day)		8658
8 ata Steam consumption in Group -2		47499
Total 10/12 ata Steam for Distribution		58188
10/12 ata Steam consumption in CCD-3 of COB-11		18190
10/12 ata Steam consumption in BF-8		7750
10/12 ata Steam consumption in Group -1		32248
Total 15 ata Steam for Distribution		11856
15 ata Steam consumption in RH degasser, SMS-2		0
15 ata Steam consumption in RH degasser, SMS-3		11856
Total 18 ata Steam for Distribution		66316
18 ata Steam consumption in SMS-1		1995
18 ata Steam consumption in CCS (RH/VAD)		8721
18 ata Steam consumption in BPP of COB-11		0
Net 18 ata Steam for Distribution		55600

PARTICULARS	ALLOC. (%)	MAR - 2020
FOR 10/12 Atm STEAM : GROUP - 1		
SP-3	0.83	268
SMS-1	8.57	2764
BBM	1.40	451
RSM	2.80	903
MERCHANT MILL	1.40	451
WIRE ROD MILL	26.70	8610
LIQUID FUEL STATION (G)	23.40	7546
R M P - 1	11.40	3676
CHILLED WATER PLANT - 1	10.10	3257
URM	0.50	161
AUXILIARY SHOPS	6.70	2161
SMS-3	5.00	1612
BRM	0.20	64
LINE LOSSES	1.00	322
TOTAL	100.00	32248