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ISO 9001: 2015 QUALITY MANAGEMENT SYSTEM

RISK ASSESSMENT AND CONTINGENCY PLAN

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STEEL AUTHORITY OF INDIA LIMITED CENTRE FOR ENGINEERING & TECHNOLOGY RANCHI - 834002

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CET- QMS-RC

FIRST EDITION

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- 5. Contingency plan has been made for medium and high risks only. No contingency plan made for low risk.



RISK ASSESSMENT AND CONTINGENCY PLAN

(A) GUIDELINE FOR RISK ASSESSMENT

Criteria Score	Probability of Occurrence (P)	Severity (S)	Possibility Of Detection (D)
01	Remote	Very Minor (Limited to Process/ Equipment, not affecting facility/ equipment availability)	Likely (Found before processing)
02	Rare	Minor (Affecting supplier performance & material availability/supply)	Possible (Found during processing)
03	Unlikely	Significant	Unlikely (Found during Inspection)
04	Possible	Critical (Nonconformity to process/ equipment/ product before delivery)	Rare (Found by Customer before use)
05	Likely	Catastrophic (Delivery of non-conforming product to customer)	Remote (Found by Customer after use)

Levels of Risk RPN- Risk Priority Number = Px Sx D							
High (H)	RPN ≥ 48						
Medium (M)	18 ≤ RPN < 48						
Low (L)	RPN < 18						



(B) RISK ASSESSMENT

Sl.No.	IDENTIFIED RISK	IMPACT ON QUALITY/ DELIVERY	EXISTING CONTROL	RISK ASSESSMENT		RISK PRIORIT Y NUMBER (RPN) PxSxD	RISK LEVEL	ACTION TO BE TAKEN (Refer CP-) and RESPONSIBI LITY	
				P	S	D			
1.	Mismatch/ errors in documents	Quality	Checking before issue	Remot e (1)	Minor (2)	Possibl e (2)	1 x 2 x 2=4	L	Not necessary because of low risk
2.	Errors in drawings prepared by CET	Quality deterioration	Single person scrutiny of drawings	Rare (2)	Significant (3)	Unlikel y (3)	2x3x3= 18	M	Checking and approval of drawings by different persons (CP-1) Resp: HOD_P 8.3-19
3.	Incomplete documents	Delivery	Checking before issue	Rare (2)	Minor (2)	Possibl e (2)	2 x 2 x 2= 8	L	Not necessary because of low risk
4.	Not meeting committed schedule for FR & TS	Delivery	Reviews & HOD meeting	Rare (2)	Signifi cant (3)	Possibl e (2)	2 x 3 x 2= 12	L	Not necessary because of low risk
5.	Not obtaining budgetary quotations on time	May hamper achieving timelines set in activity planning	Maintaining item wise record of budgetary quotations	Possibl e (4)	Signifi cant (3)	Likely (1)	4x3x1= 12	L	Not necessary because of low risk

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Sl.No.	IDENTIFIED RISK	IMPACT ON QUALITY/ DELIVERY	EXISTING CONTROL	RISK ASSESSMENT		RISK PRIORIT Y NUMBER (RPN) PxSxD	RISK LEVEL	ACTION TO BE TAKEN (Refer CP-) and RESPONSIBI LITY	
		schedule	received in recent past.						
6.	Loss of data stored in PC	Delays apprehended in obtaining / re-generating the data	Anti-virus system is loaded	Possibl e (4)	Critical (4)	Possibl e (2)	4x4x2= 32	M	Protection through regular back up of data/ Having disaster recovery system. (CP-2) Resp: HOD Cl. 7.5.3 of Quality Manual_P 7.5- 02(C)_Pro.Man

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7.	Absence of any soil or underground data	schedule is affected due to (a) unforeseen hurdles during execution of	1. Existing soil investigation reports & layout drawings, if available 2. Getting soil investigation & underground survey done, to the extent possible.	Rare (2)	Signific ant (3)	Possible (2)	2x3x2=12	L	Not necessary because of low risk
8.	Non- availability of correct BQ	Delivery schedule is affected due to non- availability of BQ/ availability of incorrect BQ	BQ is sought from vendors / Existing BQ database	Rare (2)	Critical (4)	Possibl e (2)	2x4x2=16	L	Not necessary because of low risk
9.	Change order	Time and cost overrun is resulted due to change order	Study of site and available data before preparation of TS	Rare (2)	Minor (2)	Rare (4)	2x2x4=16	L	Not necessary because of low risk

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(C) CONTINGENCY PLAN (CP)

Sl. No.	Risk	СР	Responsibility	Time Frame	Resource Required	Linking procedure No.
1.	Errors in drawings of CET	Checking and approval of drawings by different persons (CP-1)	All concerned engineers of CET	Continuous	Checking as per authorization of personnel to check the drawing	P 8.3-19
2.	Protection of data/ information in PC	Protection through regular back up of data (CP-2)	All concerned engineers of CET	Continuous	Protection through regular back up of data Having disaster recovery system	P 7.5-02

Issued & Controlled by

Approved by

Management Representative

ED, CET