

FIELD QUALITY PLAN

FOR


**Renovation of capacitor bank room near UHV lab inside
factory area.**



FACTORY CIVIL DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED

BHOPAL

 BHOPAL FACTORY CIVIL DEPARTMENT		AUTHORISATION FOR DIFFERENT CATEGORIES OF CHECKS	
Classification of Check		Inspection Authority BHEL	Clearing Authority BHEL
Symbol	Description		
A	Critical	Engineer-in-Charge	Sr. Engineer-in-Charge
B	Major	Engineer-in-Charge	Sr. Engineer-in-Charge
C	Minor	Engineer-in-Charge	Sr. Engineer-in-Charge

NOTE :

- 1 Quantum of check shall be 100% for all characteristics unless otherwise mentioned in reference documents. Contractors will be responsible for getting the work inspected by inspecting authority after carrying out inspection by themselves as per Field Quality Plan.
- 2 In case of non-conformity, before accepting, clearing agency shall ensure disposition and the same shall be reflected in the log-sheet / protocol.
- 3 For checks where log sheets are not called for, suitable records shall be maintained in the form of log book / protocols.
- 4 Abbreviations used in the column "Type of Check" are
 - R : Record Verification
 - M : Measurement
 - W : Witness
 - T : Test
- 5 Abbreviations used in the column "Format of Record" are
 - SR: Site Register
 - TR : Test Report
- 6 In case of non-availability of inspecting/clearing authority of prescribed level the job shall be performed by higher authorities or the persons authorized by sectional head



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FACTORY CIVIL DEPARTMENT

Standard Field Quality Plan

DOC NO: FQP/FCX/005

REV NO: 01

S No.	CHARACTERISTICS / ITEM	TYPE OF CHECK	INSTRUMENT	CLASS	QUANTUM/ FREQUENCY OF CHECK	REFERENCE DOCUMENT/ ACCEPTANCE STANDARD	FORMAT OF RECORD	REMARKS
1.0	EXCAVATIONS & FILLING IN FOUNDATION WORKS							
1.1	EXCAVATION							
a	Check for the initial ground level before start of excavations.	M	As agreed/required	B	100%	Tech Spec & Const Drawing	SR	
b	Check for the final shape and Dimensions of Excavation including final excavation level & required clearances	M	As agreed/required	B	100%	Tech Spec & Const Drawing	SR	
2.0	Fabrication Works							
2.1	Electrodes							
a	Moisture Free storage for electrodes as per IS 1395:1982	W	As per IS:1395:1982	B	100%	As per IS:1395:1982	IR	
b	100% visual examination shall be carried out in the vicinity of welds for arc strikes, undercuts, cleats, tacks & gouges & shall be ground and blended. The entire butt weld area shall be dye penetrant/magnetic particles tested.	W	As per Corporate Standard AA 0622101	B	100%	As per Corporate Standard AA 0622101	IR	
c	Visual checks/Dye penetration test as per criticality of the joint	W	As per relevant standards	A	As per Criticality of Joints.	As per relevant standards	IR	

<div></div> <div>BHOPAL</div> <div>FACTORY CIVIL DEPARTMENT</div>		Standard Field Quality Plan					DOC NO: FQP/FCX/005	
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S No.		CHECK	INSTRUMENT	CLASS				REMARKS
3.0	Aluminium Works							
a	Extruded Aluminium Section	R	As per IS:733 / IS:1285	B	Once for every Manufacturer's/Make	As per IS:733 / IS:1285	TR	Manufacturer's test report to be submitted