

FIELD QUALITY PLAN

FOR

**Renovation and modification of room for 11 KV VM-12
breaker at North of blk-4 substation & other area inside
factory area.**



FACTORY CIVIL DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED

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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
- 7 Tests not explicitly mentioned but necessitated as per work requirement or as per discretion of Engineer Incharge shall be carried out as per relevant standards.



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DOC NO: FQP/FCX/20211018

REV NO: NIL

Field Quality Plan

S No.	CHARACTERISTICS / ITEM	TYPE OF CHECK	INSTRUMENT	CLASS	QUANTUM/ FREQUENCY OF CHECK	REFERENCE DOCUMENT/ ACCEPTANCE STANDARD	FORMAT OF RECORD	REMARKS
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1.0 CAST-IN-SITU CONCRETE

1.1 CEMENT							
Ensure that cement is stored in weather tight covered storage on raised platform.	V	As per IS:4082	B	100% Covered storage	IS:4082	SR	
1.2 CONCRETE							
Crushing strength (Works tests cubes)	T	Cube Crushing Machine	A	For Every 20 cum or part thereof	IS:516 & IS:456, IS:10262	Form-6	

S No.	CHARACTERISTICS / ITEM	TYPE OF CHECK	INSTRUMENT	CLASS	QUANTUM/ FREQUENCY OF CHECK	REFERENCE DOCUMENT/ ACCEPTANCE STANDARD	FORMAT OF RECORD	REMARKS
2.0	Brick							

2.1	Water absorption	T	As per IS:3495	A	As per IS:3495 & IS 5454	IS 1077, IS 3495 & IS 5454	Form-8	
2.2	Compressive Strength	T	Compressive strength testing machine	A	Sampling as per IS:1077	IS 1077, IS 3495 & IS 5454	Form-8	
2.3	Check for dimension, soundness, colour, warpage & Efflorescence	V & M & T		B	Sampling as per IS:1077 A set of 20 bricks min. for each lot of 50,000 or part thereof	IS 1077, IS 3495 & IS 5454	Form-8	