

FIELD QUALITY PLAN

FOR

**Waterproofing over roofs of annexes and other buildings inside
factory area.**



FACTORY CIVIL DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED

BHOPAL



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FACTORY CIVIL DEPARTMENT

**AUTHORISATION FOR
DIFFERENT CATEGORIES OF
CHECKS**

Classification of Check		Inspection Authority	Clearing Authority
Symbol	Description	BHEL	BHEL
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 themself 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/

REV NO: NIL

Standard Field Quality Plan

S No.	CHARACTERISTICS / ITEM	TYPE OF CHECK	INSTRUMENT	CLASS	QUANTUM/ FREQUENCY OF CHECK	REFERENCE DOCUMENT/ ACCEPTANCE STANDARD	FORMAT OF RECORD	REMARKS
1.0	MATERIAL							
1.1	<p>Bitumen Primer Density at 25°C, 0.87 - 0.89 kg/ltr and viscosity 70 - 160 cps.</p>	T	As per IS 702	B	Once for Each Lot of material manufactured	As per IS 702	Contractor shall submit manufacturer test certificate.	
1.2	<p>Atactic Polypropylene Polymer (APP) Joint strength in longitudinal and transverse direction at 23°C as 650/450 N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C.</p>	T	As per ASTM D-5147	B	Once for Each Lot of material manufactured	As per ASTM D-5147	Contractor shall submit manufacturer test certificate.	