

FIELD QUALITY PLAN

FOR

**Foundation and allied work for Construction of UHV LAB at
BHEL Jhansi.**



FACTORY CIVIL DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED

JHANSI

FIELD QUALITY PLAN


FOR

Foundation and allied work for Construction of UHV LAB at BHEL Jhansi.

DOCUMENT NO.	FQP/FCX/UHV/FDN	
ORIGINAL DATE OF ISSUE	03.09.2024	
REVISION NO. & DATE	Nil	
DATE OF ISSUE	03.09.2024	
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NOTE :

- 1 Contractors will be responsible for getting the work inspected by inspecting authority after carrying out inspection by themselves as per Field Quality Plan.
- 2 Abbreviations used in the column "Type of Check" are
 - R : Record Verification
 - M : Measurement
 - V : Visual
 - T : Test
- 3 Abbreviations used in the column "Format of Record" are
 - SR: Site Register
 - TR: Test Report

 JHANSI		STATEMENT OF CHECKS			Document Number	FQP/FCX/UHV/FDN
					Revision Number	Nil
					Issue Date	03.09.2024
S No.	CHARACTERISTICS / ITEM	TYPE OF CHECK	QUANTUM/ FREQUENCY OF CHECK	REFERENCE DOCUMENT/ ACCEPTANCE STANDARD	FORMAT OF RECORD	REMARKS
1.0	CAST-IN-SITU CONCRETE					
1.1	COARSE AGGREGATE (40 mm)					
1.1.1	Moisture Content	T	Once per source/on every change of source	As per IS:2386 Part III IS:456, IS:383	Test Report	
1.1.2	Specific Gravity, Bulk Density, Voids, Water absorption	T	Once per source/on every change of source	As per IS:2386 Part III IS:456, IS:383	Test Report	
1.1.3	Particle Size & shape-(Sieve analysis, determination of material finer than	T	Once per source/on every change of source	As per IS:2386 Part I IS:456, IS:383	Test Report	
1.1.4	Crushing Value	T	Once per source/on every change of source	As per IS:2386 Part II,IV,VI,IS:383	Test Report	
1.2	FINE AGGREGATE (20mm)					
1.2.1	Bulkage & Moisture Content	T	Once per source/on every change of source	As per IS:2386 Part III ,IS:383	Test Report	
1.2.2	Silt, Clay content, soundness.	T	Once per source/on every change of source	As per IS:2386 Part-II, V, VI,VII IS:383	Test Report	
1.2.3	Sieve analysis, particle size & shape	T	Once per source/on every change of source	As per IS:2386 IS:383/	Test Report	
1.2.4	Specific Gravity, Water absorption, bulk density & voids	T	Once per source/on every change of source	As per IS:2386 Part-III, IS:383	Test Report	
1.3	SAND					
1.3.1	Fineness Modulus(Sieve analysis)	T	Once per source/on every change of source	As per IS:2386 IS:383/	Test Report	
1.3.2	Silt Content	T	Once per source/on every change of source	As per IS:2386 IS:383/	Test Report	
1.3.3	Bulkage/Moisture Content	T	Once per source/on every change of source	As per IS:2386 Part III ,IS:383	Test Report	
1.4	CONCRETE					
1.4.1	Crushing strength (Works tests cubes)	T	Once per 50 cum or part thereof	IS:516 & IS:456, IS:10262	Test Report/ Departmental Testing	
1.4.2	Laying and Mixing of concrete	V	Random	As per site requirement	SR	
1.4.3	Curing	V	Random	As per site requirement	SR	
2.0	BRICKS					
2.1	Water absorption	T	For each lot of 50,000 or part thereof	IS 1077 , IS 3495 & IS 5454	Test Report	
2.2	Compressive Strength	T	For each lot of 50,000 or part thereof	IS 1077 , IS 3495 & IS 5454	Test Report	
3.0	Plaster					
3.1	Correctness	V	Random	As per site requirement	SR	
4.0	Putty					
4.1	Brand	V	Random	As per remark	SR	Make of putty shall be Birla Wall Care Cement Putty/JK Wall Putty/Asian Wall Putty/Burger Wall Putty/Nerolac Wall Putty
5.0	Oil Bound Washable Distemper/Acrylic Emulsion (Interior/Exterior)					
5.1	Brand	V	Random	As per remark	SR	Make of distemper shall be Asian/Burger/Nerolac

Note:

1. The tests/procedure mentioned above are only indicative and any other test required to maintain/improve/access the quality of work shall also form part of Field Quality Plan.

2. Testing over any item/material used in any item shall only be carried out if the executed value for the said item is more than Rs. 50,000.00