

FIELD QUALITY PLAN

FOR

**Epoxy flooring work in New Bogie Shop under Vande Bharat
Project.**



FACTORY CIVIL DEPARTMENT

BHARAT HEAVY ELECTRICALS LIMITED

JHANSI

FIELD QUALITY PLAN

FOR

Epoxy flooring work in New Bogie Shop under Vande Bharat Project.

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| DOCUMENT NO. | FQP/FCX/VB/Epoxy | |
| ORIGINAL DATE OF ISSUE | 09.09.2024 | |
| REVISION NO. & DATE | Nil | |
| DATE OF ISSUE | 09.09.2024 | |
| PREPARED BY | Sanjay Maurya | |
| | ENGINEER (FCX) | |
| CHECKED BY | Dushyant Tiwari Sr. Engineer (FCX) | |
| REVIEWED BY | Abhishek Gupta Manager (FCX) | |

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

| STATEMENT OF CHECKS | | | | | DOC NO: | FQP/FCX/VB/Epoxy |
|---|---|---------------|-----------------------------|---|------------------|---|
| | | | | | REV NO: | Nil |
| S No. | CHARACTERISTICS / ITEM | TYPE OF CHECK | QUANTUM/ FREQUENCY OF CHECK | REFERENCE DOCUMENT/ ACCEPTANCE STANDARD | FORMAT OF RECORD | REMARKS |
| 1.0 | PREPRATION OF SURFACE | | | | | |
| 1.1 | Dry area surface prepration | V | 100% | As per technical specification | SR | |
| 1.2 | Oil soaked area surface prepration | V | 100% | As per technical specification | SR | |
| 2.0 | EPOXY FLOORING | | | | | |
| 2.1 | SCREED | | | | | |
| 2.1.1 | Compressive Strength | T | Per Lot | As per ASTM C-579/EN13892 | MTC/TR | Basis will be Manufacturer Test Certificate. Random sampling, twice during execution of entire project will be carried out from outside NABL registered laboratory. |
| 2.1.2 | Flexural Strength | T | Per Lot | BS-6319 Part 3 | MTC/TR | |
| 2.2 | SELF LEVELLING TOP COAT | | | | | |
| 2.2.1 | Compressive Strength | T | Per Lot | As per ASTM C-579/EN13892 | MTC/TR | Basis will be Manufacturer Test Certificate. Random sampling, twice during execution of entire project will be carried out from outside NABL registered laboratory. |
| 2.2.2 | Flexural Strength | T | Per Lot | BS-6319 Part 3 | MTC/TR | |
| 2.2.3 | Weight Loss against Abrasion Resistance | T | Per Lot | ASTM D4060 | MTC/TR | |
| 3.0 | THICKNESS | | | | | |
| 3.1 | Thickness Measurement | M | Every 500 Sqm | As per technical specification | SR | |
| 4.0 | VISUAL EXAMINATION | | | | | |
| 4.1 | Colour | V | 100% | As per requirement | SR | |
| 4.2 | Straightness of Line/Markings | V | 100% | As per requirement | SR | |
| 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. Two random Sample will be sent for testing in an independent NABL accredited laboratory for testing during the work period. If need is felt, more sample can be sent to independent laboratory for testing, as per the discretion of Engineer-In-Charge. | | | | | | |
| 3. 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 | | | | | | |