

MAHARASHTRA METRO RAIL CORPORATION LIMITED  
(Nagpur Metro Rail Project)

No. NMRP-QAQC011(11)/2/2024-QC/ 141135

Dt. 03.05.2024

**Procedure Order**

**Sub.: Procedure to approve fresh Manufacturers/Firms/Vendors and subsequently their addition to the list of Approved Manufactures/Suppliers for Civil Works, APPENDIX-10A of Tender documents.**

**1.0 Purpose:-**

A list of manufacturers/firms/vendors (max. 10 nos.) for each material/product category out of the exhaustive list of approved vendors available with Maha-Metro, was prepared to expedite and simplify the use of appropriate products which was included in civil works tenders under 'Works Requirements – Annexure-VI-3, Appendix-10A.

The said list was not exhaustive and was with a rider that if the contractor wishes to use any product of a different vendor with proven track record in lieu of the vendors listed in the vendor list, then he has to apply to Maha-Metro with relevant documents.

Also, as the list contains a limited number of manufacturers, many of the reputed manufacturers/firms/vendors are not included in the said list. Further, keeping in view the pace of innovations/new developments there may be instances that will require inclusion of new/fresh vendors.

Hence, a procedure is formulated that can be followed in the above cases.

For the procedure, the manufacturers/firms/vendors are categorized in the following two heads.

1. Head A- Reputed vendors/manufacturers having proven track record, have presence/ establishment in various countries, have products that are in use from past 15 years.
2. Head B- Other than Head A vendors/ manufacturers.

**2.0 Procedure:-**

Following are the different procedures for approval of Head A and Head B manufacturers/ firms/vendors.

**2.1 Head A manufacturers/ firms/vendors**

- 2.1.1. The contractor will submit a formal request to the Engineer for the manufacturers/ firms/vendors and corresponding product that they are proposing for use with all required test reports, certificates, product details, vendor credibility, etc. to prove eligibility in Head A vendors/manufacturers category.
- 2.1.2. The Engineer, after receiving the above request, will check the details and categorize the vendor/product in Head A or Head B as per the head description.
- 2.1.3. For Head A firms/vendors/manufacturers, the Engineer will submit the case for Product approval to the "Evaluation Committee" formed for the product/manufacture approval, without material testing but duly checking the test results for conformity with relevant specifications/standards.
- 2.1.4. The committee upon scrutiny of the case will recommend the product/manufacture for approval to the Director (Project). The approval or otherwise will be communicated to the Engineer.
- 2.1.5. Accordingly, a letter will be sent to the contractor regarding approval or otherwise. It may be noted that approval of firms/vendors/manufacturers will be contract

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specific, but once approved, the same can be used in other contracts of NMRP Phase-II by citing its reference.

## **2.2 Head B manufacturers/ firms/vendors**

### **2.2.1. Contractor's Request for Approval**

The contractor will submit a formal request to the Engineer for the manufacturers/ firms/vendors and corresponding product that they are proposing for use with the following information.

- i. The name, address and contact information of the manufacturer.
- ii. The Type, name, and designation of product to be evaluated.
- iii. Two copies of documentation that includes the result of tests showing compliance with the Relevant BIS, ASTM, ISO, or applicable standards.
- iv. Copy of NABL Accreditation Program, Certification of Accreditation for the laboratory performing the testing. The laboratory must be independent, third party and must be NABL accredited for the testing of the Product. Documentation of NABL accreditation must be current and coincide with the dates during which the tests were performed.
- v. Materials safety Data Sheet.

Upon request, and if required and demanded the manufacturer shall submit one sample of the product for testing.

### **2.2.2. Material Review**

Upon receipt of the sample as may be required and documentation, the Engineer will review the test results for conformity with relevant specifications. If any of the documentation is not acceptable, a letter will be sent to the product manufacturer describing the discrepancy and informing the manufacturer what further actions are required.

### **2.2.3. Materials Laboratory Testing**

If the documentation and test results are acceptable, the Engineer will perform tests on the product in accordance with relevant procedures. These test results will be kept on file to compare future sample testing compliances with uniformity requirements.

The Engineer upon his satisfaction, will submit the case for Product approval to the "Evaluation Committee" formed for the product/manufacturer approval. The committee upon scrutiny of the case will recommend the product/manufacturer for approval to the Director (Project). The approval or otherwise will be communicated to the Engineer.

Accordingly, a letter will be sent to the contractor stating that the documentation was acceptable and that the test results submitted indicated that the product meets the requirements or otherwise the comments/rejection. Maha-Metro reserves full rights to accept, comment or reject the Product/Manufacturer and the decision of Maha-Metro cannot be challenged by the contractor/vendor.

It may be noted that approval of firms/vendors/manufacturers will be contract specific, but once approved, the same can be used in other contracts of NMRP Phase-II by citing its reference.

## **3.0 Procedure requirements:-**

- 3.1 Engineer – The Engineer for the purpose of this procedure order is PD/GC to NMRP or his authorized representative nominated for the purpose. However, the final submission of the case to Maha-Metro has to be under the signature of PD/GC to NMRP, after due scrutiny.



3.2 Evaluation Committee – The Evaluation Committee for this procedure order will comprise of GM/Design (NMRP, Maha-Metro), AGM/Quality Control (NMRP, Maha-Metro) and Dy. PD/GC to NMRP, Maha-Metro.

### 3.3 Qualification

Qualification of a product in Head A or Head B and addition to the Approved Manufactures/suppliers Products (Vendors) List for Civil Works does not constitute a blanket approval of the material. The product must be verified and approved in order to be used in the work. The Contractor for each proposed project/work must submit the product and source as specified. The Engineer will approve the product and source on a project-to-project basis based on the specifications for the project. The Engineer will sample, test and accept the material according to the applicable Standard product. A sample of the approved product will be taken periodically to determine compliance with the uniformity requirements of relevant standards.

### 3.4 Disqualification

The Engineer may remove the product from the Approved Manufactures/suppliers Products (Vendors) List for Civil Works for non-conformance with specification requirements or for a documented history of poor field performance. The manufacturer shall notify the Engineer, in writing, of any change in product formulation. Failure to notify the Engineer of changes in product formulation will result in disqualification.


### 3.5 Requalification

The Engineer will reevaluate a product which has been disqualified and removed from the QPL Approved Manufactures/suppliers Products (Vendors) List for Civil Works only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

The Engineer may require the manufacturer to requalify the product for any of the following reasons:

- i. To ensure that obsolete products are not kept on the list, the Engineer may request written confirmation from the manufacturer that the product is still available and has not changed formulation. Failure to respond to the Engineer written request will result in the product being removed from the list.
- ii. If the formulation of the product has changed, the Engineer may require that the new formulation be requalified.
- iii. If the Department's standard specifications change or if the referenced standards change, the Engineer may require requalification to ensure that the product meets the new specification.

This has approval of Director (Project).

  
3/5/2024  
GM (Design)

- Copy to:**
1. DP, for kind info. please.
  2. PD/GC for info. and n. a. please.
  3. ED/CPMs - R1&Track, R2, R3&R4, CRF-I, CRF-II, for info and n. a.
  4. ED/Procurement, for info,
  5. GM/Planning-II, for info. and n. a.
  6. AGM/QC, for info. and n. a.

## WORK'S REQUIREMENTS - ANNEXURE-VI-3

### APPENDIX 10A

#### APPROVED MANUFACTURERS/SUPPLIERS FOR CIVIL WORKS

All materials and products shall conform to the relevant standards/specifications of IS Code, BS Code etc. and shall be of approved make and design. A list of manufacturers/vendors is given herein below for guidance. The approval of a manufacturer/vendor shall be given only after review of the sample/specimen by the Client. The complete system and installation shall also be in conformity with the – “**Applicable Codes, Standards and Publications**”.

List of approved makes for products and material is given below. Maha Metro reserves the right to adhere to any of the vendors against each of the item.

The list below is not exhaustive. If the contractor proposes to use another products of similar specifications & proven track record in place of product listed below, he may apply with Maha-Metro along with test reports of the renowned institutions/laboratory and the same will be dealt with as per procedure formulated by Maha-Metro.

Sr. No.	Material/Product Category	Manufacturer
1	Construction Chemicals	FOSROC SIKA (BASF-Master Builders Solutions) AG Apple Chemie STP Fair Mate CAC MYK Arment Pidilite The Dow Chemicals Mapei
2	Wood, Engineered Wood, Laminate Ply	Century Greenlam Formica Marino Bison Everest

Sr. No.	Material/Product Category	Manufacturer
3	Paint & Emulsion	Berger ICI-Dulux Asian Jenson & Nicolson Nerolac Kensai Akzo Noble Carboline Shalimar
4	Tiles	Johnson RAK Kajaria
5	Steel & Structural Steel	Tata SAIL Jindal JSW ESSAR
6	Sanitary Ware	Kohler Hindware CERA Jaquar Parryware Johnson
7	Bathroom Fittings	Jaquar Lantern Kohler Johnson

Sr. No.	Material/Product Category	Manufacturer
8	Aluminium & ACP cladding	Hindustan Aluminium (Hindalco) Indian Aluminium Aludecor Alutech Euroboard
9	Modern Indoor/ Outdoor Material	Eurobond Hunter Douglas Alutech Armstrong Hilux Inter Arch
10	Glass	Saint Gobain FUSO Sisecam Modi
11	CC Blocks & AAC Blocks	Ballarpur Industries Ultra Tech-Xtralite Duralite Siporex-biltech Birla-Aerocon Apco Besser-Aircrete
12	Polycarbonate	GE Gallina Coxwell Tuflite
13	Tensile roofing	Mehler Serge Ferrari Saint Gobain

Sr. No.	Material/Product Category	Manufacturer
14	Metal Roof	Tata Blue Scope JSW SAIL LLYOD
15	Cement	Ultratech ACC Ambuja J K Laxmi Shree (Bangur) MP Birla
16	Expansion joint/ Bearing/ Welding Electrodes	As per RDSO approved list
17	Pumps	Kirloskar Shakti Wilo KSB CRI
18	Anchor Fastner	Hilti Fischer India KLIMAS
19	Sheathing pipes	Dynamic Prestress Pvt Ltd. REX Polyextrusion Gwalior Polypipes Ltd. Supreme Finolex Plasto

Sr. No.	Material/Product Category	Manufacturer
20	Mineral admixtures (Cementitious Material)	Sika Elkem Ultra fine Mineral and additives Star silica Ashcrete Alcofine Corniche Star Pozz Ultra Pozz Mapei