


Pre-Qualification requirements (PQR) for the procurement of CS Plates clad with Titanium Sheets as follows through Open Tender

1. Cladded Plates (6 mm or 8 mm CS Plates as per specification SA 516 GR 70 cladded with 2 mm TITANIUM SHEET TO SPEC ASME SB 265 GR 2) confirming to ASTM B 898

A :Organizational Capability:

1. Manufacturers having Mills with Plate rolling & Explosion Bonding or hot rolled or combination of Explosion Bonding or hot rolled facilities are only eligible to participate. Offer from traders, fabricators, re-rollers and stockists are not acceptable and will not be considered for evaluation. Vendor to indicate the nature of the Firm. Product catalogue shall be submitted.
2. Suppliers without basic manufacturing facilities in-house, shall not be considered for evaluation. In house facilities for Heat treatment and NDE are mandatory requirements for consideration of the offer. Details of the mill with list of manufacturing facilities and List of testing equipment's & Instruments with Calibration details to be submitted.
3. If the supplier is not having facility for manufacture of CS Plates & Titanium sheets, then source of raw material for the CS Plates and Titanium Sheets shall be indicated. If the supplier is dependent on more than one source for CS Plates and Titanium Sheets, all the sources should be indicated; and the supplies should be restricted to the indicated list of raw material suppliers. For the submitted raw material sources, the supplier shall confirm that the raw material test certificate/s will be furnished along with product test certificate/s.
4. Chemical and Mechanical testing shall be done in house or at Labs certified as per ISO 17025 or Government approved Labs.
5. Suppliers shall submit a valid ISO 9001 certificate or Quality management system certificate or Written down procedure.
6. Suppliers shall submit a valid copy for use of explosive for explosion bonding process.
7. BHEL reserve the right to inspect the item ordered at any stage at vendor's works and if found not meeting the stipulated conditions, material is liable for rejection.
8. BHEL reserves the right to inspect the first lot of materials at vendor's works for giving clearance before bulk production.
9. BHEL reserves the right to visit supplier's works to audit and inspect to ensure the capability for technical evaluation.


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B : Technical Competence:

1. Confirmation to the tendered specifications and the following requirements are mandatory for consideration of offer. For the Carbon steel plate, Vacuum Treatment, Charpy V-Notch Impact Test and Ultrasonic Examination (as per ASTM A578-Level C) shall be carried out. For the clad plate, Bond shear strength testing, Ductility Bend testing, Heat treatment (Stress relieving as per supplier's procedure), Base metal Tensile strength testing as per ASTM B898 & Ultrasonic testing (as per ASTM A578-Level C) shall be done. The above test results with reference and acceptance standards shall be indicated in the test certificates.
2. Suppliers shall submit manufacturing process flow chart (Raw material to finished product) & manufacturing quality plan to meet the tendered specification requirements along with technical bid.
3. Suppliers shall submit the experienced manpower details specific to Manufacturing, Quality and NDE requirements.

C : Past Experience / Performance:

1. Suppliers shall indicate their annual installed capacity for each of the tendered specification & it shall be more than the tendered quantity.
2. Suppliers shall have supplied clad plates of carbon steel plate and Titanium sheet. Details of supplies made in recent past detailing the quantity, Specification, size & customer details, year wise along with the unpriced PO copies, proof of supply (such as invoice / bill of lading copies and test certificates) for covering minimum and maximum sizes of the tendered specifications shall be submitted.


D : Financial Soundness:

1. Indigenous suppliers shall submit Audited copies of annual reports (Balance Sheets), Profit & loss statement for the last four years (or from date of incorporation whichever is less).
2. Import suppliers shall submit latest D&B report / credit reform report.

Necessary supporting documents shall be submitted for meeting each of the above Pre-Qualification Criteria for evaluation of the offers.

BHEL reserves the right to consider/Not-consider the offers based on the evaluation of documents submitted for the above Pre-Qualification Criteria. BHEL also reserves the right to have on-site assessment of the facilities at supplier's works during the bid evaluation.


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