

**Pre-Qualification Requirements (PQR) for the procurement of Seamless Carbon Steel, Alloy Steel & Stainless Steel Tubes through Open Tender (As per TDC 102 Rev 21)**

**A) Organizational Capability:**

1. Manufacturers having tube mill (both Hot Mill & Cold Mill facility) are only eligible to participate. Offers from traders, fabricators and stockists are not acceptable and will not be considered for evaluation.
2. If the vendor is not having steel making facility, then source of raw material for manufacturing shall be from IBR approved well known steel maker or certified by IBR approved inspecting authority (Form-IV to be attached). If the vendor is dependent on more than one source for steel making, all such sources shall be indicated, and the supplies shall be restricted to the indicated list of raw material sources only.
3. Offers with Mother Hollow sources as a raw material will not be considered.
4. Vendor to indicate the nature of the firm. Product catalogue shall be submitted.
5. Vendor shall submit filled in supplier facility report for Tube mill (Format enclosed). Vendors without basic manufacturing facilities in-house, shall not be considered for evaluation. In house facilities for Hot Piercing/ Extrusion, Pilgering/Cold drawing, Heat treatment & Non-Destructive Testing (On-line UT & Online Thickness Measurement facility for Tubes) are mandatory requirements for consideration of the offer.
6. Chemical, Mechanical testing shall be done in house or at Labs certified as per ISO 17025 or Government approved labs.
7. Vendor shall submit a valid ISO 9001 certificate or Quality Assurance Manual or Written down procedure.
8. Vendor shall submit a valid IBR Well-known tube maker certificate along with Offers.
9. BHEL/End customer reserves the right to inspect the first lot of materials at vendor's works for giving clearance before bulk production.
10. BHEL/End customer reserves 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.
11. BHEL reserves the right to visit Vendor's works to audit and inspect so as to ensure the vendor's technical competence.

**B) Technical Competence:**

1. Point by point confirmation to the TDC requirements is mandatory for consideration of offer and signed TDC shall be submitted.
2. Vendor shall submit Manufacturing Process Flow chart (Raw material to finished product) / manufacturing quality plan meeting the TDC requirements along with technical bid.
3. Vendor shall submit the experienced manpower details specific to Manufacturing, Quality and NDE requirements.
4. Vendor shall provide 100% compliance to additional approval conditions as specified in NTPC/Other Customer approval.

In case of CAT-1 approval by customer,

- Customer approved quality plan should be strictly adhered to.
- Internal manufacturing process/inspection should be completed before raising an inspection call. All the corresponding documents for the offered quantity should be kept ready for inspection.
- Detailed inspection plan for the month to be submitted within the first two days of the month.
- Each Inspection call should be numbered with running serial numbers.
- Inspection call should clearly specify the Customer name, PO No, QP No, TDC, inspection date, works address, contact person (name, designation, contact number and e-mail id), PO Sl.No., size & spec, PO qty., earlier inspected qty., pending for inspection, offered qty. for inspection, Heat number, scope of inspection as per the QP.
- Inspection call shall be intimated to BHEL with 10 days prior in advance for taking up with customer.
- Inspection call should not be given for dates falling nearby/on Holidays/weekends.

**C) Past Experience / Performance:**

1. Suppliers shall indicate their annual installed capacity for the tendered specifications & it shall be more than the tendered quantity for each specification.

2. Suppliers shall have supplied tubes as per the specification given below:

- a) For Carbon Steel Tubes: Either in SA192/SA210GRA /SA210GRC or any alloy steel Grades.
- b) For Alloy Steel Tubes (SA213T23): In respective grade SA213T23
- c) For Alloy Steel Tubes (SA213T91): Either in SA213T91/SA213T92 grades.
- d) For Alloy Steel Tubes (SA213T92): In respective grade SA213T92
- e) For other Alloy Steel Tubes: Either in SA213T11/SA213T12/SA213T22 or any higher alloy steel grades.
- f) For Stainless Steel Tubes (SA213TP347H): Either in SA213TP347H or SUPER 304H (UNS No. S30432) Grades
- g) For Stainless Steel Tubes (SA213SUP304H): in respective grade SUPER 304H (UNS No. S30432) Grades
- h) For other Stainless Steel Tube Grades: Either in SA213TP304H, SA213TP316, SA213TP321, SA213TP321H or any higher Stainless steel grades.

3. Details of supplies made in past 5 years indicating the Quantity, Size, Specification & Customer details shall be submitted year wise.

4. Unpriced PO copies & Proof of supply (such as invoice / bill of lading copies and sample test certificates) against the tendered specification & covering minimum and maximum sizes meeting the tendered size requirements shall be submitted as mentioned above in Clause C2.

5. The manufacturing size range shall be indicated in the offer. However, if credential is not available for any specific tendered size, then specific declaration shall be submitted by mill stating the capability to produce that quoted size/s.

**D) Financial Soundness:**

1. Indigenous suppliers shall submit Audited copies of annual reports (Balance Sheets, Profit & Loss Statement) for the last three years (or from date of incorporation whichever is less)
2. Import suppliers shall submit latest report from a reputed third party business rating agency like Dun & Bradstreet , Credit Reform etc

**Necessary supporting documents shall be submitted for meeting each of the above Pre-Qualification Criteria for evaluation of the offers. BHEL shall consider/not consider the offers based on evaluation of documents submitted for above Pre-Qualification Criteria. If required, BHEL shall make on-site assessment of the facilities at supplier's works during the bid evaluation.**