

BHARAT HEAVY ELECTRICALS LIMITED
MM/RM/PURCHASE/TUBES

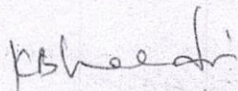
Ref: MM: Pur:Tubes:Rev 06

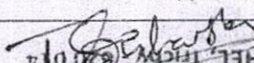
Dt:19.02.2024

Pre-Qualification requirements (POR) for the procurement of Seamless Carbon Steel/Alloy Steel/Stainless Steel Tubes through Open Tender (As per TDC: 102 ~~Rev 20~~ Rev 21.

A) Organizational Capability:

1. Manufacturers having tube mill are only eligible to participate. Offer from traders, fabricators and stockists are not acceptable and will not be considered for evaluation.
2. If the supplier is having only cold mill facility for conversion of mother hollows to finished tubes, the raw material mother hollows shall be sourced from BHEL approved tube suppliers only. However for NTPC projects mother hollows shall be sourced from NTPC approved tube suppliers only (List attached). The source of mother hollow shall be declared along with the offer for BHEL approval. For the submitted mother hollow sources, the supplier shall submit original test certificate/s of mother hollow along with product test certificate/s.
3. If the supplier is not having steel making facility, then source of raw material for the manufacturing shall be from **IBR** approved well known steel maker or certified by **IBR** approved inspecting authority (Form-IV to be attached). If the supplier is dependent on more than one source for steel making, all the sources should be indicated, and the supplies should be restricted to the indicated list of raw material sources.
4. As per the Steel and Steel Products (Quality Control) Order-2020 dt 27.05.2020 issued by Ministry of Steel, Government of India, all stainless steel tubes shall be made from the stainless steel products (billets/blooms) confirming to equivalent IS standards. IS marked raw material MTC (billets/blooms) shall be submitted along with product test certificate/s
5. Vendor to indicate the nature of the firm. Product catalogue shall be submitted.
6. Suppliers shall submit filled in supplier facility report for Tube mill (Format enclosed). Suppliers without basic manufacturing facilities in-house, shall not be considered for evaluation. In house facilities for Heat treatment & Non-Destructive Testing (On-line UT & Online Thickness Measurement facility for Tubes) are mandatory requirements for consideration of the offer.
7. Chemical, Mechanical testing shall be done in house or at Labs certified as per ISO 17025 or Government approved labs.
8. Suppliers shall submit a valid ISO 9001 certificate or Quality Assurance Manual or Written down procedure.
9. BHEL/End customer 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.
10. BHEL/End customer reserves the right to inspect the first lot of materials at vendor's works for giving clearance before bulk production.
11. BHEL reserves the right to visit supplier's works to audit and inspect to ensure the capability for technical evaluation.


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BHEL TIRUCHIRAPPALLI
19/02/2024

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Pre-Qualification requirements (POR) for the procurement of Seamless Carbon Steel/Alloy Steel/Stainless Steel Tubes through Open Tender (As per TDC: 102 Rev 2.1)

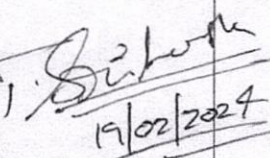
B) Technical Competence:

1. Point by point confirmation to the TDC requirements is mandatory for consideration of offer and signed TDC shall be submitted.
2. Suppliers shall submit manufacturing process flow chart (Raw material to finished product) & manufacturing quality plan to meet the TDC 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 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/SA210GRA1 /SA210GRC or any alloy steel Grades.
 - b. For Alloy Steel Tubes (SA213T23): Either in SA213T23/SA213T91/SA213T92 grades
 - 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, SUPER 304 – UNS No. S30432): Either in SA213TP347H or SUPER 304 (UNS No. S30432) Grades
 - g. 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 shall be submitted as mentioned above in Clause C2.
5. Unpriced PO copies & Proof of supply (such as invoice / bill of lading copies and sample test certificates) covering minimum and maximum sizes meeting the tendered size requirements shall be submitted as mentioned above in Clause C2.
6. 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.


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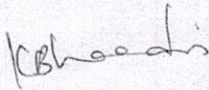

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D) Financial Soundness:

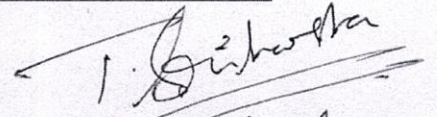
1. Indigenous suppliers shall submit Audited copies of annual reports (Balance Sheets), Profit & Loss statement for the last three years (or from date of incorporation whichever is earlier).
2. Import suppliers shall submit latest report from a reputed third party business rating agency like Dun & Bradstreet, 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 the evaluation of documents submitted for the above Pre-Qualification Criteria. If required, BHEL shall make on-site assessment of the facilities at supplier's works during the bid evaluation.



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Annexure to PQR
(Customer approved Tube/ Mother Hollows/ Billets / Blooms Manufacturers)

List of source approved by customer for manufacturing and supply of finished tubes are indicated in Table -1. Customer approved mother Hollow sources are indicated in Table-2 and Customer approved raw materials billets / blooms sources are indicated in Table-3.

Any new source other than listed herein for Hollow/ Billet/ Tube manufacturing will be subject to customer approval.

Table 1- Customer approved Suppliers for SA213 TP S30432

Sl. No.	Vendor name	Approval conditions
1	Chandan Steel, India	As per NTPC approved conditions issued to respective manufacturers. In addition to that, mother hollow can be sourced from any NTPC approved source as in Table 2.
2	Ratnamani Metals & Tubes Ltd, India	
3	Tubacex Tubes & Pipes, India	
4	Welspun Speciality Steel, India	

Table 2- Customer approved Mother Hollow sources.

Sl. No.	Vendor name
1	Sumitomo Corp, Japan (Nippon Steel)
2	Kobe Speciality Steel , Japan
3	Tubacex Tubos, Spain
4	Salzgitter Manessmann, Germany
5	Seah Changwon, South Korea (POSCO)

Table 3- Customer approved Billet sources

Sl. No.	Vendor name
1	Mukand, India
2	Welspun, India
3	Sumitomo Corp, Japan (Nippon Steel)
4	Kobe Speciality Steel, Japan
5	Tubacex Tubos, Spain
6	Salzgitter Manessmann, Germany
7	Seah Changwon, South Korea (POSCO)