

BHARAT HEAVY ELECTRICALS LIMITED
MM/RM/PURCHASE/TUBES

Ref: MM: Pur:Tubes

Dt:26.12.2024

Pre-Qualification requirements (POR) for the procurement of Stainless Steel Tubes SA213 S30432 through Open Tender (As per TDC: 102 Rev 21)

A) Organizational Capability:

1. Manufacturers having tube mill are only eligible to participate. For APL/ MEL/Adani projects, only customer approved manufacturers offer will be considered for evaluation. 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 Customer approved tube suppliers as per Annexure- A to PQR. 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 sourced from customer approved mills (as per Annexure A) with **IBR** well known steel maker certification 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 in the bid document. Supplies should be restricted to the raw material sources declared in the bid.
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.

TSB
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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. For Stainless Steel Tubes (SA213TP347H, SUPER 304 – UNS No. S30432): Either in SA213TP347H or SUPER 304 (UNS No. S30432) 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.

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 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 Ref MM:Pur:Tubes:SS dt 08.01.2025
Customer approved source list

List of source approved by customer for supply of finished tubes are indicated in Table -1. Suppliers are approved to use only hot extruded mother hollows. Mills not having facility to make hot extruded mother hollows, can procure hot extruded mother hollows from any approved sources given in Table 2.

Mills having the hot extruded manufacturing process shall procure the billets / blooms from the customer approved Raw materials sources as 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	Approved process
1	Chandan Steel, India	Cold pilgering/drawing using hot extruded mother hollows. Sources as per Table 2.
2	Ratnamani Metals & Tubes Ltd, India	Hot Extrusion/ Cold Pilgering/ drawing using hot extruded mother hollows. Sources as per Table 2 & 3.
3	Tubacex Tubes & Pipes, India	Cold pilgering/drawing using hot extruded mother hollows. Sources as per Table 2.
4	Welspun Speciality Steel, India	Hot Extrusion/ Cold Pilgering/ drawing using hot extruded mother hollows. Sources as per Table 2 & 3.
5	Jindal saw Limited, India	Hot Extrusion/ Cold Pilgering/ drawing using hot extruded mother hollows. Sources as per Table 2 & 3.

Table 2- Customer approved Hot Extruded Mother Hollow sources

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

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)