

ANNEXURE-C

Pre-Qualification Criteria for entering into Rate Contract for Abradable coating of Steam chambers/Inner casings/BP Glands of steam turbines.

1. **Facilities Required:**

- a) Powder flame spray equipment synchronized with turntable & Robot.
- b) Availability of adequate stock of coating powders Metco 450NS & Metco 301 NS or their equivalent.
- c) Turntable synchronized with robot and having load bearing capacity of each enquiry item.
- d) Portable Grit blasting machine.
- e) In house laboratory for testing coated specimens.
- f) Facilities to ensure masking of sealing fins with heat resistant tape to prevent damages and inadvertent application of coating on sealing fins.
- g) Prior to processing final component for the first time, the Supplier has to establish the thermal spray coating process to accomplish quality requirements through the process qualification and supplier shall seek BHEL's approval before taking up actual order specific coating work.

2. **Qualification Criteria** :The Process qualification as applicable for first test piece only includes the following as a minimum requirement:

- i) Supplier shall provide minimum two-coated sample pieces of size atleast 50mm X 50mm complying order specific coating thickness to BHEL R&D, Hyderabad for checking of bond strength & porosity. One additional sample piece with total coating thickness of 2 mm shall also be provided to BHEL R&D, Hyderabad for checking of the hardness of coating.
- ii) Vendors, who have already proven their capability for abradable coating on test specimens as per BHEL requirement in the earlier enquiries need not do coating on test pieces again and will be considered as technically qualified for this tender.
- iii) Vendors quoting for the tender who have not done the prove out earlier, need to perform coating on test specimen as specified in 2(i) and shall submit them at BHEL R&D, Hyderabad. Also, vendor has to submit the results of tests done in their own laboratory.

3. **Validity:** Rate contract shall be valid for a period of 24 months from the date of contract finalization. The rates shall be FIRM and not subject to any variation/ escalation on any account during the validity of this Contract period. No-Price-Variation/No-Price-Increase shall be entertained for any reason during the tenure of the contract.

4. Business shall be registered in India in line with extant applicable act and vendor must have their coating facilities located within 100km radius around BHEL, R.C.Puram for the reason that sealing fins in case, gets damaged in transit, these shall be repaired at vendor works by BHEL technicians or shall to be brought back to BHEL, R.C.Puram for replacement of fins in case of extreme damage.

Type of Organization	Documents (Self-Attested)
Sole Proprietorship	Trade License/Any other Government issued registration certificate
Partnership	Partnership Deed
Registered Company	Certificate of Incorporation

5. Permanent Account Number (PAN): Bidder should have valid PAN.

Document: Self-Attested copy of PAN Card must be submitted.

6. GST: Bidder should have valid GST registration.

Document: Self-Attested copy of proof of GST Identification Number must be submitted.

7. Average Annual Financial Turnover of bidder, during the last three financial years (latest closing date of financial year) should not be less than Rs.30 Lakhs.

Document: Balance Sheets and Profit & Loss Statements for last three financial years as above duly audited/certified by a Practitioner/Chartered Accountant registered with Institute of Chartered Accountants of India. In case of final audited Balance Sheet /Profit & Loss account for last year is not available, provisional statements for the same duly certified by Chartered Accountant must be submitted.

8. **Delivery Schedule:** 10 days from the date of issue of material from BHEL, R.C.Puram.
9. **Delivery Terms:** F.O.R. BHEL, R.C.Puram, Hyderabad.
10. **Transportation:** Material movement from BHEL, R.C.Puram to vendor works is in BHEL scope and finished material movement from vendor works to BHEL, R.C.Puram is in Vendor scope. Incase of wrong /defective material sent, transportation from vendor works to BHEL is in the scope of BHEL.
11. **Evaluation:** L1 shall be decided item wise for each enquiry item.