

Tender document

Details of the furnace:	Firms confirmation – strike out which ever is not applicable. Provide details where called for.
a)Furnace working chamber dimensions:- Length/Depth:3600mm, Width: 1800mm, Height: 1400mm	Noted / Not noted
b) Maximum working temperature: 1000°C	Noted / Not noted
c) Ratings: 160KW, Two (2) Zones, 80KW Each Zone	Noted / Not noted
d) Electrically operated (Motor with Gearbox) Bogie for Loading & Unloading of Components	Noted / Not noted
e) Make: WESTER WORK	Noted / Not noted
Scope of work:	Firms confirmation
1. Firm has to remove existing Heating element, Hook pins, Refractory bricks etc.	Confirmed / not Confirmed
2. Firm has to carry out servicing of the entire surface of the Furnace casing by applying suitable rust preventing coating on the both side walls and top.	Confirmed / not Confirmed
3. Firm has to Supply & Install the ceramic fiber blanket and vacuum formed board for both the side walls and Roof by maintaining the existing pattern and dimensions of the chamber.	Confirmed / not Confirmed
4. Firm has to replace the existing door with plug in type ceramic fiber lined insulation door with proper reinforcement and effective heat sealing arrangements. Guide rollers, Steel guides, Balance weights, Motorized reduction gear, support shaft mounted with pulleys, sprockets and other necessary accessories to be provided by the firm.	Confirmed / not Confirmed
5. Firm has to service the bogie by replacing the existing brick lining with new brick lining.	Confirmed / not Confirmed
6. Firm has to Supply & Install strip type heating elements (Ni 80 + Cr 20) for both side walls &	Confirmed / not Confirmed

Roof.	
7. Firm has to supply & Install Electrical panel with necessary power & control wirings.	Confirmed / not Confirmed
8. Firm has to connect the existing Power cables from the panel to the existing 90kva transformers and from the transformer to the end connectors by properly laying the cable in to the trench.	Confirmed / not Confirmed
9. Firm has to supply & Install Limit switches for bogie & door movement. Necessary control wiring has to be done by the firm.	Confirmed / not Confirmed
10. Firm has to Supply & Install Four (4) no's of Thermocouple with compensating Thermocouple cable.	Confirmed / not Confirmed
11. Firm has to supply & Carry out complete painting of the Furnace with good quality primer, aluminum heat resistant paint.	Confirmed / not Confirmed
12. Uniformity test/Thermal mapping test has to be conducted for uniform distribution of temperature inside the furnace. Detailed test report has to be submitted by the firm.	Confirmed / not Confirmed
13. Firm has to provide Test certificates for Heating elements, HFK Bricks, Vacuum formed board and ceramic fiber blanket.	Confirmed / not Confirmed
14. Firm has to prove out the performance of the Furnace by conducting trials on various components.	Confirmed / not Confirmed
Terms & conditions:	Firms confirmation
1. Firm can visit our work before submitting the offer if required for assessing the quantum of the work.	Confirmed / not Confirmed
2. Firm has to quote separately for materials (item wise) and labor charges.	Confirmed / not Confirmed
3. Firm has to arrange for Manpower, necessary tools required for the reconditioning.	Confirmed / not Confirmed
4. All required materials has to be moved from stores to work spot and un-wanted materials after completion of work to be shifted to salvage store by the firm as directed by Engineer-In-charge.	Confirmed / not Confirmed
5. All consumables like welding rods, cleaning agents shall be included in the offer.	Confirmed / not Confirmed

6. BEML will provide material handling equipments, welding set, Power supply.	Confirmed / not Confirmed
7. Firm has to comply with all statutory norms for the workmen employed.	Confirmed / not Confirmed
8. The labors employed by the firm should be covered under ESI & PF.	Confirmed / not Confirmed
9. Necessary safety precautions for the laborers will be the responsibility of the contractor. BEML is not responsible for any accident met by firm's workmen at the time of carrying out the work at our site.	Confirmed / not Confirmed
10. The work has to be executed under the supervision and as per the direction of the Engineer/Supervisor In-charge.	Confirmed / not Confirmed
11. Firm has to supply all the materials required for reconditioning as per the scope and any additional spares required during execution should be borne by the firm without any additional cost.	Confirmed / not Confirmed
12. Firm has to commission the furnace as per the terms & conditions and prove out the performance to the satisfaction of BEML.	Confirmed / not Confirmed
13. Warranty: 12 months from the date of commissioning towards materials & workmanship.	Confirmed / not Confirmed
14. Payment terms: For Material : 80% of material cost + 100% taxes against receipt & certification by BEML ON 30TH DAY. For Service : Balance 20% of material cost & 100% of labour charges will be paid after successful commissioning, performance prove out against certification by BEML and submission of PBG (for 10% of total PO value excluding GST valid for a period of warranty +3 months extra, from the date of commissioning).	Confirmed / not Confirmed

Qualifying Criteria:	Firms confirmation – strike out which ever is not applicable. Provide details where called for.
1. Only OEM / Reconditioners / Service providers are eligible to participate in the tender.	Noted / Not noted
2. Reconditioners / Service providers should have experience in executing similar works and documentary evidence for carrying out such works should be produced along with the bid.	Noted / Not noted

Contractor signature
With company seal.