

**Government of India
Bhabha Atomic Research Centre
Technical Physics Division
Mumbai-400 085**

Date: 15/10/2019

Due Date: 24/10/2019

Ref: TPD/NXPS/MF/TP/155

Sub: Servicing & load testing of 2 Ton capacity EOT crane

Dear Sir,

1. Quotations are invited for servicing & load testing of 2 Ton capacity EOT crane as per specifications attached herewith.
2. Bidder shall quote for supply of components/materials and charges for servicing & load testing. Taxes and excise duties shall be quoted separately.
3. The quotations must reach, Head, Technical Physics Division on or before the due date and must be sent in a sealed envelope super scribed with the above reference number and due date given above through **register post/speed post of Indian Postal Services only**.
4. The address on the envelope should read:

Head, Technical Physics Division
Bhabha Atomic Research Centre
Trombay, Mumbai 400085.
Attn: Mr. Tarun Patel, Purnima Lab

5. The bidder shall have to take an insurance policy against any material issued to him by the purchaser as free issue material.
6. The servicing & testing jobs shall be subject to inspection by our representative. The finished components shall not be dispatched prior to approval by our representative at the bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
7. The bidder shall deliver and install the finished components after approval by our representative, within stipulated delivery time from the date of the firm purchase order issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at Purnima Laboratory, Technical Physics Division, B.A.R.C., Trombay, Mumbai 400085.
8. Head, Technical Physics Division, BARC, reserves the right to accept/reject any or all quotations without assigning any reason.
9. Bidder must provide PAN, GST number in the quotation.

(Tarun Patel)
Scientific Officer /F
Technical Physics Division
For and on behalf of President of India

General Specifications

1.0. Quality surveillance, inspection and inspection report:

1.1. All work covered by the specification shall be subject to quality surveillance by the purchaser or his authorized representative for which purpose the fabricator shall allow access at all reasonable times during manufacture to:

1.1.1 the premises in which the work is being carried out;

1.1.2 the drawings and/or tooling involved

1.1.3 gauges, inspection instruments etc. required for inspecting the work.

1.2. Inspection and tests shall be carried out by the fabricator as per the requirements detailed in the drawings and these specifications.

1.3. The fabricator shall submit three copies of inspection reports to the purchaser for approval.

1.4. Components found unsatisfactory as to workmanship or material shall be removed by fabricator and replaced by components which are satisfactory.

1.5. Fabricator shall use materials as specified by the purchaser and submit to the purchaser, the material test certificate for approval.

1.6. The finished components shall not be dispatched prior to approval by our engineer at bidder's works.

2.0. Delivery

2.1 The bidder shall deliver the finished components after approval by our engineer within the delivery period mentioned in the firm purchase order issued to the bidder.

3.0 Sub contract

The fabricator shall not sub-contract any or all the work without written consent from the purchaser. The fabricator shall be responsible to the purchaser for all work of the subcontractor of the fabricator, if allowed by the purchaser.

4.0 Tax

4.1 Except GST no other taxes are payable.

4.2 Income tax @ 2% will be deducted from the bill.

Servicing and load testing of 2 Ton capacity EOT crane at Purnima Labs, BARC.

Specifications & scope of the work

1. Servicing of the crane:
 - i. Removal of existing thruster brake from the crane.
 - ii. Supply and installation of a new electro-magnetic spring loaded fail safe dc shoe type brake suitable for 8” diameter drum with rectifier panel and necessary modifications to be carried out for mounting the brake at site -1 No.
 - iii. Servicing of motors, gearboxes, EM breaks, control panel.
 - iv. Lubrication of LT/CT wheel bearings, hoist gearbox, CT/LT gearboxes, wire rope, bottom block.
 - v. Adjustment of EM brakes, limit switches on all motions, tightening of coupling bolts on HT, CT & LT Motions and Visual inspection of wire rope for any kinks, breakage of strands.
 - vi. Provision of oil, grease other materials required for servicing of the crane will be in scope of the supplier.

2. Load testing of the crane:
 - i. Load testing of the crane has to be carried out at various loads from 0.5 Ton to 2.4 Ton.
 - ii. The Dead Load for testing of the crane will be supplied by BARC.
 - iii. Final Inspection will be carried out by the MHE Safety Committee of BARC.
 - iv. Provision of personal protective and other safety equipments for the working personnel of the company required during the servicing and testing of crane will be in scope of the supplier.

Note:

1. The supplier should have valid Police Verification Certificates (PVC) for its all supervisors and labours to obtain BARC vigil pass.
2. Site of the crane: Purnima, BARC, Trombay, Mumbai-85.