Tender Notice

Tender No.: RRMD / TN-30 / 2020

Date: 28-10-2020

Sub: Tender enquiry for Overhauling of DC motor of MA set, Dhruva.

Sealed tenders are invited for and on behalf of the President of India by Head, Research Reactor Maintenance Division, BARC, Trombay, Mumbai-400085 from experienced vendors for overhauling of DC motor as per the following terms and conditions.


2.0 Description of the work:

- Complete overhauling of motor which included the following jobs.
  a) Dismantling of motor
  b) Cleaning and varnishing of armature and field coils.
  c) Measurement of bearing seat in the shaft and housing.
  d) Bearing replacement as per standard procedure.
  e) Assembly of motor.
- Turning and undercutting of Commutator
- Dynamic balancing of armature.
- Metallizing and machining of bearing seat in the shaft and housings if found required after dismantling the motor.
- Testing of motor on no load at contractor’s workshop

3.0 Terms and conditions:

3.1 The offer should be valid for consideration for 60 days from due date of the offer.
3.2 To and fro transportation and insurance of the motor is also in the scope of vendor.
3.3 Contractor should complete the whole job within 2 months after receipt of work order.
3.4 On testing of performance to our satisfaction, payment would be released on submission of bills in triplicate along with an advance stamped receipt.

3.5 Contractor must indicate a **guarantee for one year** in his offer for the whole job within which the motor will be attended free of cost if found defective due to bad workmanship.

3.6 The vendor shall have to furnish an insurance cover for an amount of Rs. 5,00,000/- (Rs. Five Lakhs) towards the security of the motor and new bearings, at the time of collection of the same from our workshop. **Standard Fire and Special Peril Policy must be taken.** Insurance should be valid till the equipment delivered back to BARC. **Insurance charges will not be borne by the department.**

3.7 The vendor shall also have to furnish a **transit insurance** cover for an amount of Rs.5,00,000/- (Rs. Five Lakhs only) for motor and bearings during transit of the motor.

3.8 After dismantling the motor the vendor has to take measurements of bearing seats in the shaft and housing and this should be intimated to the concerned engineer in charge of the motor. Any repairing of bearing seats shall be carried out only after obtaining clearance from engineer in charge.

3.9 Commutator turning and undercutting shall be carried out as per standard procedure.

3.10 Dynamic balancing of the armature assembly shall be carried out in direct presence of our representative and vendor shall give two days advance intimation about the date and time of work to make our representative available for witness the same. Report of balancing shall be produced and balancing shall be to the grade of 6.3 or better as per ISO 1940.

3.11 The metalizing should be done through standard procedure (**preferably Metco**) so that metallizing is proper and adhere firmly to the base material. Under cutting of surface shall be carried out before apply metal spray. Tolerance for fitment shall be decided as per SKF catalogue.

3.12 After completing the overhauling job, routine tests of the motor including no load test should be carried out in direct presence of our representative, before sending the motor to our workshop.

3.13 The vendor should also clearly reply in his tender to “whether the contractor / vendor has any relative working in BARC or the contractor himself is an ex-employee of BARC or the contractor has any ex-employee of DAE on his payroll”.

3.14 Contractor should mention their **PAN No. and GST/ Service Tax Reg. No.** in the quotation failing which the offer shall be rejected.

4. **Instructions to tenderers:**

4.1 **Price quoted shall be filled up in the same format given in the Schedule-B with GST if any and no other charges will be payable.**

4.2 Tender quotations shall be submitted in the sealed envelope in the vendor’s standard company format quoting our **Tender no., name of the work and last date of submission on the envelope.** Tender quotations should be addressed to AO-III, RRMD Office, Dhruva, BARC, Trombay, Mumbai-400085. The submission of tender documents shall be done only through **registered post / speed post through Indian Postal Services** so as
to reach Reactor Group Office, Dhruva on or before 11th November, 2020 at 1500 Hrs. Tenders shall be opened on the next working day in presence of tender committee.

4.3 The acceptance of the tenders will rest with the Competent Authority, who does not bind himself to accept the lowest offer, and reserves to him the authority to reject any or all the tenders received without assigning any reason.

4.4 Quotation received after the due date and time shall be summarily rejected.

4.5 The vendor may contact on telephone no. 25594319/ 25596225 for any query regarding this tender.

4.6 Industrial Safety:
Industrial Safety Undertaking will have to be signed after discussion between Contractor/Supervisor of concerned works contract & Safety Officer/Coordinator of Reactor Group. The contractor or executing agency shall adopt adequate safety measures as per the Job Hazard Analysis (JHA) control measures suggested. The personal protective equipment to contract workers, supervisors & engineers shall be supplied by the contractor at his own cost.

Thanking you,

Yours faithfully,

(Alex Mathew)
Maintenance Superintendent
(For and on behalf of the President of India)

Enclosure: Schedule-A & B
Tender Notice No: RRMD/TN 2020

Name of Work: Overhauling of DC motor of MA set at Dhruva, BARC.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Unit</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Roller bearing, NU 230 (SKF make)</td>
<td>1</td>
<td>Nos.</td>
<td>Free</td>
</tr>
<tr>
<td>2</td>
<td>Ball bearing 6230 (SKF make)</td>
<td>1</td>
<td>Nos.</td>
<td>Free</td>
</tr>
<tr>
<td>3</td>
<td>Water</td>
<td>as req.</td>
<td>Liter</td>
<td>Free</td>
</tr>
<tr>
<td>4</td>
<td>Electricity</td>
<td>As req.</td>
<td>Kwh</td>
<td>Free</td>
</tr>
</tbody>
</table>
## Schedule – B

Tender Notice No: RRMD/TN-30/2020  
Dated: 7/10/2020

Name of Work: Overhauling of DC motor of MA set at Dhruva, BARC.

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Description of work</th>
<th>Qty. Nos</th>
<th>Rate (₹)</th>
<th>Total (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Complete overhauling of DC motor including bearing replacement and varnishing *</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Turning and undercutting of Commutator</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Dynamic balancing of armature</td>
<td>01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Metallizing and machining of bearing seats in the housings. **</td>
<td>02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Metallizing and machining of bearing seats in the shaft. **</td>
<td>02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Testing of motor on no load at contractor’s workshop.</td>
<td>01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total (₹)  
GST @18%  
Net total (₹)

**Net total (In words):**

* : New bearings will be provided as free issue material.  
** : These items will be executed if found necessary after dismantling the motor

Fill up the total in figure and words.

Sign of Contractor