

<b><u>Bharat Heavy Electricals Limited, Bhopal</u></b>
<b>Traction Motor Manufacturing</b>
<b>TENDER ENQUIRY NO: TPTN/TXM/2019-20/01 DATED: 07/05/2019</b>
<b><u>ANNEXURE-II: SCOPE OF WORK</u></b>

**SCOPE OF WORK:**

**Works contract for deployment of highly skilled operators in TXM division for CNC Machines BHEL, Bhopal for the period of Twelve months.**

**Traction Motor Manufacturing (TXM)** Machine shop is catering to the need of various machining activities related to Traction Motor, BHEL, Bhopal Unit. Jobs of high geometrical accuracy and tolerance are manufactured on CNC machines in TXM Machine shop of B1-2 and B1-9. In view of this, skilled and devoted manpower are required to be deployed for operation on CNC machines through works contract. The details are as follows:

Total hours shall be limited to <b>72000 Hrs</b>	Period of Contract : <b>12 months</b>
Manpower Required: <b>Highly Skilled operators for CNC machines of TXM division.</b>	
<p><b>Educational qualification and experience:</b> The above work is to be carried out by highly skilled operators having following qualifications criteria: -</p> <p style="text-align: center;">ITI &amp; Certificate of having under gone training for operating CNC machines</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">ITI with minimum 2 years experience of working on CNC Machines</p> <p style="text-align: center;">OR</p> <p style="text-align: center;">Diploma / B.E.</p>	

The manpower to be deployed for carrying out operations of CNC machines in TXM machine shop shall be well qualified and experienced. The firm has to engage technical operator for machine operation on regular day-to-day basis and to the satisfaction of Section In-charge. If performance of any deployed worker is not found satisfactory, contractor shall provide alternate worker with immediate effect to the satisfaction of Section In-charge. Maximum nos. of operator deployed in a day will be 30 and it will vary time to time as per production plan. The number of operators deployed in a day will be decided by Section In-charge.

It may be noted that the performance of any deployed worker is not found satisfactory within two weeks initial deployment then no payment shall be made for that worker.

**Sign and seal of contractor**

<b><u>Bharat Heavy Electricals Limited, Bhopal</u></b>
<b>Traction Motor Manufacturing</b>
<b>TENDER ENQUIRY NO: TPTN/TXM/2019-20/01 DATED: 07/05/2019</b>
<b><u>ANNEXURE-II: SCOPE OF WORK</u></b>

**Following works are to be performed by the deployed manpower:**

S. No.	Machine No.	Type of Machine	Name of operation
1	5/A/2111 *	Butler, Elga Mill Pole Pad M/c	Pole pad machining of DC magnet frames
2	5/A/2116 *	CNC HMT All round machine & Pole Pad	All round machining of all frames and Pole Pad machining of DC magnet frames
3	5/A/2064 *	Bertheiz CNC	
4	5/A/2114 *	CNC HMT All round machine	All Round machining of all types of stator frames
5	5/A/2127 *	CNC PEGARD All round machine	
6	5/A/2142 *	JUARSTI CNC	
7	5/A/2057 *	ELGAMILL CNC	
8	5/A/2130	VMC 1200	CNC Key way cutting
9	5/A/2109	CNC Internal Grinder	CNC internal taper grinding in shafts
10	5/A/80	16 C Ward Lathe (CNC)	CNC machining of critical commutator and Bearing components.
11	5/A/122	13CNC Ward Lathe(CNC)	
12	5/A/124	13CNC Ward Lathe(CNC)	
13	5/A/2145	CNC Lathe	
14	5/A/2148	CNC Lathe	CNC Shaft machining.

**DURATION OF CONTRACT:**

Duration of contract is for a period of 12 months from the date of start of work, which should be within one week from date of issue of LOI/WO. Duration of contract shall be strictly based on the performance which will be evaluated after every three months by BHEL authority. BHEL also reserves the right to short close the contract at its discretion.

**WORKING HOURS:**

- Party has to work in 1<sup>st</sup> Shift (7AM to 4 PM) and 2<sup>nd</sup> Shift (4PM to 1AM) during all working days. Work shall also be done in 3<sup>rd</sup> shift (11PM to 7AM), Sundays and Holidays, as informed by Section In-charge. Contractor should ensure prior permission is issued from HR and CISF, if required for above mentioned duty hours.
- Payment to the contractor shall be monthly on the basis of deployment of manpower.

**Sign and seal of contractor**

**Bharat Heavy Electricals Limited, Bhopal**

**Traction Motor Manufacturing**

**TENDER ENQUIRY NO: TPTN/TXM/2019-20/01 DATED: 07/05/2019**

**ANNEXURE-II: SCOPE OF WORK**

3. The contractor will appoint his own supervisor and their payment will be done by Contractor.
4. The person deployed shall wear shoes, uniform and helmet as per General Terms & Conditions and Safety Regulations. Contractor shall provide helmet, safety shoes and uniform to workers as per following schedule:
  - a) One industrial safety helmet at starting of WO.
  - b) One set of safety shoes in every one year.
  - c) One set of uniform to workers in every six months.

**Sign and seal of contractor**