

BHARAT HEAVY ELECTRICALS LTD
BHOPAL - 462022
WORKS ENGG. & CENTRAL SERVICES DEPTT.
CNC MAINTENANCE-RECONDITIONING OF M/C TOOLS

Ref.No.:WEX/CNC/08/EN03

Sub: Reconditioning and CNC upgradation of Internal Grinding Machine
(5/A/2109) Of TXM Division (Block 2)

Dear Sirs,

Sealed tender subscribing the name of work, tender notice no. and due date is invited by the undersigned for executing the following work: -

Sl. No	Description of work	Earnest money Deposit	Due date	Completion time
1	Reconditioning and CNC upgradation of Internal Grinding Machine (5/A/2109) of TXM Division (Block 2)	Rs 2.0 lacs. (Ref clause 5)		6 months from date of release of Machine. **

**** NOTE: The machine being extremely critical from production point of view, bidders offering shorter completion times will be preferred.**

1. SCOPE OF WORK:

Complete reconditioning and CNC system retrofitting be done on labour and material basis. The award of works shall be done on labour and the material cost.

The Reconditioning and retrofitting work will be consisting of –

1.1. Joint inspection of machine before dismantling to record geometrical test, sound level and missing components etc.

1.2. Dismantle machine, clean all components, and identify jointly spare parts/components to be replaced or repaired, for both electrical and mechanical components. All components requiring replacement shall be supplied by contractor himself. All the material required for Retrofitting shall be supplied by the contractor and fitted on to the machine.

1.3. All components are to be measured for wear, and where ever required as per Para 2.2 are to be reworked and/or replaced with B.S. and or Metric (DIN) standards as decided by BHEL with specified quality of materials. Where ever possible manufacturer's approved spare to be used.

1.4. Gears and shaft are to be debarred or replaced. In certain cases gear transmission systems are to be completely remanufactured with new gears and shafts. If necessary this has to be carried out from original manufacturer's drawings.

In cases such drawings are not available the contractor has to take all the relevant data and the sketches/drawings should be submitted to us for all the manufactured spares prior to commencement of actual manufacturing for our approval.

1.5. All bearings have to be replaced by contractor with the new SKF or FAG make bearings or of reputed other manufacturers with prior approval of BHEL as and where required.

1.6. Re-varnishing and vacuum impregnation of all motors, coils etc. to be done. Necessary facilities as available may be provided inside BHEL. Rewiring of complete electrical system and during rewiring all the cables/wires have to be replaced with new wiring.

- 1.7. The retrofitting work to be carried out as per the specifications attached (Ref Annexure 3 & 3A.).
- 1.8. Hydraulic, Lubrication and Pneumatic equipments like pumps, valves, cylinders, pipe works and allied fittings etc. have to be inspected and overhauled. All seals, 'o' Rings, cup washers, flexible hoses etc. have to be replaced as new.
- 1.9. Complete assembly and geometrical testing (jointly), job trials etc. to be carried out. .
A test chart performance report has to be made. The tests to be carried out in presence of contractor, central maintenance, production and concerned plant maintenance personnel.
- 1.10. Any other works involved in successful completion of the work and not covered above shall also be the responsibility of the contractor.
- 1.11. All worn out and replaced parts duly packed shall be property of BHEL and shall be returnable as per instruction of BHEL.
- 1.12. After successful geometrical and job tests the machine would be handed over to production division for their trial run and regular production would begin on the machine. After completely satisfying themselves with regards to the accuracies, loading capacity etc. of the machine by manufacturing few production items the product, maintenance and central maintenance division would then release the satisfactory performance certificates for the machine. Only on receipt of such certificate the work would be deemed as completed and the final bill would be processed.

2. FACILITIES:

This is a labour and material contract. All perishable items, consumables like lubricants, Kerosene oil, cotton waste etc. will be supplied free of cost during reconditioning and commissioning inside our premises. However the contractor should make his own arrangements for all the types of hand tools including pneumatic/electrical drill machines, grinders, scraping machines etc. along with the necessary tooling, general purpose measuring instruments, straight edges etc.

- 2.1. Crane facilities along with lifting tackles special tools and measuring instruments like collimator etc., trolleys, truck etc. are available free of charges while working inside BHEL premises only.
- 2.2. Facilities of minor welding, brazing, machining etc. free of cost is also available inside BHEL premises.

3. TERMS OF PAYMENT: Shall be as under : –

- 3.1. 30% of the contract value shall be paid after the dismantling, cleaning and identification of the parts /components to be repaired/replaced during joint inspection by BHEL and contractor. This payment would be released on receipt of the B/G of like amount which should be valid upto the completion of reconditioning works.
- 3.2. 60% of the contract value shall be paid after the completion of the reconditioning and CNC retrofitting, inspection and acceptance by BHEL and receipt of Machine at BHEL, Bhopal.
- 3.3. 10% of the contract value to be paid after erection and commissioning of the machine at the site, handing over of the machine and release of performance certificate by User division and plant maintenance personnel of BHEL. This payment shall be released against the BG of like amount. The BG should be valid till the expiry of the warranty period.
- 3.4. LD clause shall be applicable as 0.50% (1/2 Percent) per week of the Contract Value. The LD shall be deducted if the delivery is delayed beyond the agreed delivery period. The maximum amount of the LD shall be 10% (Ten Percent) of the Contract Value. This shall be linked with the delivery schedule as per the Para 3.1, 3.2, and 3.3 as per the activity chart.
The payment shall be released within 45 days of passing of technically and commercially clear Bill.

4. SECURITY DEPOSIT:

The rate of security deposit will be as below:

Up to Rs. 10 Lakhs : 10%

Above Rs. 10 Lakhs : Rs.1 Lakh + 7.5% amount exceeding Rs. 10 Lakhs

Above Rs. 50 Lakhs : Rs.4 Lakhs + 5% amount exceeding Rs. 50 Lakhs

The security deposit should be submitted before the start of work in the following forms:

- 1) Cash
- 2) Pay Order, Demand Draft in favour of BHEL, Bhopal
- 3) Local cheques of Scheduled Banks, subject to realization.
- 4) Bank Guarantee from Scheduled Banks/Public Financial Institution as defined in the companies Act. The Bank guarantee format should have the approval of BHEL

5. EARNEST MONEY:

The Earnest Money is to be paid by each Tenderer .

Earnest money should be deposited by **CASH/PAY ORDER OR DEMAND DRAFT** in our cash office at Bhopal on any working day and the receipt to be enclosed with tender. Tenders not submitted with earnest money are liable to be rejected. Earnest money deposit of unsuccessful offers would be returned within 15 days of final settlement. The Earnest money should be submitted in separate envelope.

6. INSPECTION:

The tenderer can inspect the machine with prior intimation on any working day from 9:00 hrs to 16:00 hrs before the last date for submission of tenders.

7. TENDER SUBMISSION AND OPENING:

Tender room location: **Administrative building**

Tender Submission time/date: **1400 hrs on 05.12.2008 or before.**

Tender opening time/date: **15.00 hrs on 05.12.2008** in Tender Room.

The tender envelope must carry the following information on the top of the envelope:

Tender/Enq. No.: **WEX/CNC/08/EN03**

Party's name:

Tender/Enq. Opening date: **05.12.2008**

The tender should be dropped in the tender box kept in the tender room.

8. In the event of acceptance of full or part tender, and if the contractor fails to commence work within the prescribed period, BHEL shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

9. Accepting authority reserves the right to reject any or all quotations without assigning any reason thereof.

10. For General terms and conditions for inviting reconditioning tenders and award of contract ref. Annexure-.

11. Quotations must be valid for at least 120 days.

12. INSURANCE:

The machine tool will be comprehensively insured (including transit insurance, if required) by the bidder for the entire period the machine is under reconditioning/commissioning for the value of the machine (to be indicated by BHEL).

13. BANK GUARANTEE:

In case the machine is required to be shifted outside the premises of BHEL, Bhopal for execution of the reconditioning work, bank guarantee should be provided based on the salvaged value of the machine (to be indicated by BHEL).

14. COST OF TENDER DOCUMENTS:

Your quotations must be accompanied with bank draft or IPO worth Rs. 1000/- (Rupees One thousand only) in the name of BHEL Bhopal towards cost of the tender documents, without which the quotations shall be rejected.

15. RULES AND REGULATIONS OF THE CENTRAL/STATE GOVERNMENT:

In the event of award of any contract to you, you will have to observe and perform all the laws/enactment for the time being in force. For an example you will have to submit with us the information about wage bills amount and deduction of contributory provident fund of all of your employees every month.

Your permanent P.F. Account No. ESI Reg. No., Labour License No. etc. allotted by the concerned authority should also be mentioned in your quotation. This is necessary as per the latest directives from Regional Provident Fund Commissioner M.P. Government. Documents regarding your registration with Sales Tax and Excise authorities may also be forwarded along with income tax clearance.

16. All the documents being sent herewith should be returned back to us duly signed on each paper along with your offer. The general terms and conditions being attached herewith shall also form an integral part of contract Agreement for individual machines in case the work order for any is awarded to you.

17. The quotation should be submitted as under :-

a) Techno – Commercial Bid

In the Techno-commercial bid the detailed technical specifications of the offered package along with all the commercial terms and conditions should be included.

b) Price Bid

It should include the total price of the offered package.

The Price Bid should contain only the price as indicated above. All the scope and terms and conditions should be indicated in the Techno-commercial separately.

Material cost and the labour cost should be quoted separately indicating taxes, duties & other charges separately.

The price of all the major items should be indicated separately.

Both the bids should be submitted separately in separate envelopes. The envelopes should be marked.

To enable us to avail MODVAT credit for excise duty, all the relevant papers are to be submitted to BHEL.

The contractor would submit excise invoice cum gate pass in duplicate in the name of BHEL Bhopal to CRX Division at BHEL Bhopal. CRX Divn. would forward these documents to excise cell after affixing the consignment note number in the same.

Thanking you.

Yours faithfully,

Sr. Manager (CNC/WEX)
For B.H.E.L. Bhopal

Encl.:-

- Tender Specification for the work
- Specification for the work
- Proforma for Bank Guarantee for Earnest Money
- General Terms & condition of BHEL, Bhopal.

