

**BHARAT HEAVY ELECTRICALS LTD : BHOPAL-462022  
WORKS ENGG. & CENTRAL SERVICES DEPTT.  
EMX SECTION**

**Ref.No.: WE&CS/EMX/09/EN04  
Date: 13/11/2009**

**Sub: Reconditioning and CNC system retrofitting of Flame Cutting Machine  
(1/B/2110) Of FBM Divn (Block IA)**

Dear Sirs,

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

S. No.	Description of work	Earnest money Deposit	Due date	Completion time
1.	Reconditioning & CNC System Retrofitting of Flame Cutting Machine (1/B/2110) of FBM Divn	as per the clause 5 of NIT	21/12/09	120 days from date of release of Machine

**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 consisted 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 deburred 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 Revarnishing 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 annex.).
- 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.

## **2.0 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. alongwith the necessary toolings, 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.

## **3.0 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 and 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.

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 divn. 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 30 days of passing of Technically and Commercially clear Bill.

**4.Security Deposit :** The rate of security deposit will be as below

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1. **Upto Rs. 10 lakhs :10%**  
**Above Rs.10 lakhs upto to Rs. 50 lakhs: 1 lakh + 7.5% of the amount exceeding Rs.10 Lakhs**  
**Above Rs. 50 lakhs : Rs. 4 lakhs+ 5% of the amount exceeding 50 lakhs**
2. The contractor shall permit the company at the time of making any payment to him for the work done under the contract to deduct such amount as will along with the Earnest Money already deposited amount as per the prevailing rules of BHEL
1. Refund of Security Deposit - The security deposit refundable to the contractor worked out on the basis of the value of work completed shall be refunded to the contractor on the Engineer-in-charge certifying in writing that the work has been completed as per work order against the submission of B/G as stated at payment terms for final stage.
2. On expiry of the guarantee period of one year from the date of completion of work. the BG will be returned to the contractor on his demand, by BHEL

**Security Deposit may be furnished in any one of the following forms:-**

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of BHEL.
- iii) Local chaques of scheduled banks, subject to realization.
- iv) Securities available from Post Offices such as NSCs, Kisan Vikas Patra (certificates should be held in the name of contractor, furnishing the security and duly pledged in favour of BHEL and discharged on the back)
- v) Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the company's Act subject to the maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in other form of security. The bank guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by the Scheduled Banks/Public Financial Institutions as defined in the Company's Act. The FDR should be in the name of the Contractor A/c BHEL duly discharged on the back.
- vii) Security Deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.
- viii) EMD of successful tenderer shall be converted and adjusted against the security deposit.

ix)The security deposit shall not carry any interest

## **5.EARNEST MONEY**

Earnest Money Deposit (EMD) shall be payable as follows:-

- a) Rs Nil For Works costing upto Rs 2 lacs.
- b) Rs 10,000 For Works costing more than Rs 2 lacs and upto Rs 5 lacs
- c) Rs 20,000 For Works costing more than Rs 5 lacs and upto Rs 10 lacs
- d) Rs 40,000 For Works costing more than Rs 10 lacs and upto Rs 20 lacs
- e) Rs 60,000 For Works costing more than Rs 20 lacs upto Rs 30 lacs
- f) Rs 1,00,000 For Works costing more than 30 upto Rs 50 lacs
- g) Rs 1,50,000 For Works costing more than 50 upto Rs 100 lacs
- h) Rs 2,00,000 For Works costing more 100 lacs

### **One time EMD will also be Rs.2 lacs**

EMD can be deposited in cash in our cash office at Bhopal on any working day and the receipt to be enclosed with tender. EMD can also be deposited by Pay Order or Demand Draft. Tenders not submitted with earnest money are liable to be rejected. Earnest money deposit of unsuccessful offers would be returned within 15 days of awarding the work contract. Earnest Money Deposit shall not carry any interest.

## **6.INSPECTION**

The tenderer can inspect the machine before quoting if they desire, on any working day before the last date for submission of tenders.

## **7.TENDER SUBMISSION AND OPENING.**

Tender room location : **Administrative building (Ground Floor)**

Tenders Submission time/date :21/12/2009 1400 Hrs. On or before.  
Tender opening time/date :21/12/2009 15.00 Hrs. in Tender Room.

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

Tender/Enq. No. :

Party's name :

Tender/Enq. Opening date:

Type of Bid :

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 with in 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 tools under the work will be comprehensive insured by the Reconditioner for the period the machine is under reconditioning/commissioning at the cost indicated by BHEL

**13. COST OF TENDER DOCUMENTS**

Your quotations must 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.

**14. 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 alongwith income tax clearance.

15. All the documents being sent herewith should be returned back to us duly signed on each papers alongwith 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.

16. 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 Divn. 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.Mgr. (EMX, WE&CS)  
For B.H.E.L. Bhopal

Encl. :-

Tender Specification for the work

Specification for the work

General Terms & condition of BHEL, Bhopal.