

**TENDER  
FOR  
MACHINES OF WORKSHOP**

**Tender No.: IITMANDI/SE/TEN/2011-12/WORKSHOP/3**

**Last Date of submission: 27/07/2011**



**SCHOOL OF ENGINEERING  
INDIAN INSTITUTE OF TECHNOLOGY MANDI  
MANDI – 175001 (H.P)**

[Tel:01905-237920/7922](tel:01905-237920/7922)

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Indian Institute of Technology (IIT) Mandi, Mandi invites tender for supply, erection, installation and commissioning, testing, demonstration and training of Workshop Machines, as per specifications given in the Schedule attached to the Tender form annexed hereto. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website (<http://iitmandi.ac.in/administration/tenderseoi.html>) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise.

IIT Mandi reserves the right to select certain item(s) (in single or multiple units) and reject the others or all mentioned in the Schedule and to reject any quotation wholly or partly without assigning any reason.

Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

**Terms and Conditions:**

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked “**Technical bid**” or “**Financial bid**” as applicable. These separate bids envelopes be put in an outer envelope which should also be sealed.
2. The technical and financial bids should be submitted in duplicate. The financial bid should include the cost of main machine/item and its accessories. If there is any separate cost for installation etc. that should be quoted separately.
3. Each individual sealed envelope as well as the outer envelope should be marked with the following reference on the top left hand corner: “**IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No./NAME OF MACHINE**”.
4. The printed literature and catalogue/brochure giving full technical details along with compliance statement for the tender specifications of machine should be included with the technical bid to verify the specifications quoted in the tender. The bidders

should submit copies of suitable documents in support of their reputation, credentials and past performance.

5. The rates should be quoted in figures (typed or printed) and cutting should be avoided. The final amount should be in figures as well as in words. If there are cuttings, they should be duly initialed, failing which the bids are liable to be rejected
6. The technical and financial bids should be addressed to “The Dean (Academic), Indian Institute of Technology Mandi, Mandi-175001 (H.P)”.
7. All tender documents have to be sent through courier, speed post or registered post only. The postal address is:

**The Dean (Academics)**

**Indian Institute of Technology Mandi (IIT Mandi)**

**Academic Block (Vallabh Degree College Campus)**

**Mandi – 175001 (H.P)**

8. Any bids received after **4.00 p.m. on 27<sup>nd</sup> July 2011** shall not be considered.
9. While sending rates, the firm shall give an undertaking to the effect that the terms/conditions mentioned in the enquiry letter/Tender Notice against which the rates are being given are acceptable to the firm. In case the firms do not give this undertaking, their rates will not be considered.
10. The quotations should be given for the items in the same order as in the enquiry letter.
11. If the supplier/firm is manufacturer/authorized dealer/sole distributor of any item, the certificate to this effect should be attached
12. The quantity shown against each item is approximate and may vary as per demand of the Institute at the time of placing order.
13. In the event of any dispute or difference(s) between the vendee Institute (IIT Mandi) and the vendor(s) arising out of non-supply of material or supplies not found according to specifications or any other cause whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to “The Director, IIT Mandi”, Mandi who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.

14. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
15. All disputes shall be subject to Mandi Jurisdiction only.
16. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tenderer shall be summarily rejected.

The Technical bid will be opened on **29<sup>th</sup> July, 2011** in the Conference Room of the Academic Block. The bidders or their authorized representative may also be present during the opening of the Technical Bid, if they desire so, at their own expenses.

Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after technical bids have been evaluated by the committee. Information in this regard will be posted on Institute's web site / Notice board. No separate information shall be given to individual bidders. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract

### **1. Clarifications:**

In case the bidder requires any clarification regarding the tender documents, they are advised to send their queries through email (Dr. Rajeev Kumar, email: [rajeev@iitmandi.ac.in](mailto:rajeev@iitmandi.ac.in) or Dr. Sateesh Gedupudi [email:sateesh@iitmandi.ac.in](mailto:sateesh@iitmandi.ac.in)) by **Date 25<sup>th</sup> july,2011**

### **2. Tender Cost:**

A Demand draft of Rs.1,000/-(Rupees One Thousand only) per each machine/item towards non-refundable tender fee drawn in favour of "The Registrar, IIT Mandi" payable at Mandi should accompany the Technical bid document.

### **3. Earnest Money Deposit (EMD):**

If the cost of the machine/item is more than Rs. 5 lakhs, a refundable amount @ 2% of the quoted price as earnest money deposit (EMD) in the shape of DD drawn in favour of "The Registrar, IIT Mandi" payable at Mandi should accompany the Financial bid documents.

Without EMD the bid will not be considered.

#### **4. Pre – Qualification Criteria:**

1. Bidders should be the manufacturer / authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
2. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well.

#### **5. Prices:**

- a. The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (IIT Mandi, Mandi). IIT Mandi is on the course of registering with DSIR, Govt. of India and may be exempted from Custom / Excise Duty. Exemption Certificate to this effect may be issued by IIT Mandi-Himachal Pradesh. **Hence, prices should be quoted separately inclusive and exclusive of Customs/Excise Duty.** The rates shall be firm and final. Nothing extra shall be paid on any account.
- b. In case of imported machine(s)/item(s), the agency commission, if any, payable in Indian rupees should be mentioned separately. For imported equipment, the Letter of Credit will be opened for the amount excluding agency commission in Indian Rupees. The firm should clearly mention the address of foreign bank in the financial bid.

#### **6. Validity:**

The bid should be valid for acceptance up to a period of 180 Days. The Bidders should be ready to extend the validity, if required.

#### **7. Delivery:**

The Machine should be delivered and installed within the period as specified in the purchase order and be ready for use within 16 weeks of the issue of purchase order unless otherwise prescribed. If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

#### **8. Training:**

Bidders need to provide adequate training to the nominated person of IIT Mandi at their cost. IIT Mandi will not bear any training expenditure.

## **9. Warranty Declaration:**

Bidders must give the comprehensive onsite warranty ( No. of years) as required from the date of successful installation of Machine against any manufacturing defects and also give the warranty declaration that “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document.”

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction / specifications specified in the order / contract and demonstrate at the their own cost.

If the cost of the machine exceeds Rs 25 lakhs, A performance bank guarantee as 10% of the cost of the machine for the duration of the warranty period will be taken from successful bidder.

## **10. Technical Support:**

Details about the technical support of the machine after the warranty period have to be mentioned.

## **11. Terms of Payment:**

Payment will generally be made only after delivery and satisfactory installation, testing, commissioning etc. This must be specified in the tender/quotation.

- In case of imported supplies, payment (excluding Indian agency commission, if any) will be made through Letter of Credit.

## **12. Tender expenses and documents:**

All costs incurred by the bidder in the preparation of the tender shall be at the entire expense of the bidder.

## **13. Tender Evaluation Criteria:**

The technical bids will be opened on **Date 29<sup>th</sup> July 2011** at 10:30 AM. After evaluation of the technical bid, the financial bid for only those offers which have qualified in the evaluation of technical bid will be opened.

**14. Return of EMD:**

- The earnest money of the successful bidder will be returned to them without any interest after completing the successful contract.
- The earnest money of unsuccessful bidders will be returned to them without any interest within fifteen working days after awarding the contract to successful bidder.

**15. Manual and documentation:**

All the manuals necessary for operating and servicing the equipment (including details of electronic circuits) will have to be provided along with the instrument.

Registrar (IIT Mandi)

**BID PARTICULARS**

- 1. Name of the Supplier :
- 2. Address of the Supplier :
- 3. Availability of demonstration of machine: Yes / No
- 4. Tender cost enclosed: : Yes/No if yes

D.D. No. \_\_\_\_\_ Bank \_\_\_\_\_ Amount \_\_\_\_\_

- 5. EMD enclosed : Yes / No if Yes

D.D. No. \_\_\_\_\_ Bank \_\_\_\_\_

- 6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry.

Name :

Address :

Telephone No.:

Fax No. :

Mobile No. :

e-Mail :

Web :



**Anexture-1**  
**Indian Institute of Technology Mandi**  
**School of Engineering**  
**[Workshop]**

Tender No: IITMANDI/SE/TEN/2011/WORKSHOP/3

Item. No.	Name of the Machine	Specifications	Quantity
1	Arc Welding Equipment	<b>INPUT:</b> Primary voltage 380/415 V/3- Phase, Frequency – 50Hz, Input Power @ 100% duty cycle 15-25 KVA <b>OUTPUT:</b> Output Characteristic CC, OCV 50-90V, Operating arc voltage 20-40 V, Welding current range 50-400 A, Maximum continuous hand welding current @ 60% duty cycle 200-400 A, Maximum continuous automatic welding current @ 100% duty cycle 150-250 A.	1
2	Gas welding equipment	Complete set of gas welding equipments including Blowpipes, Regulators, Small Cutting Machines, Nozzles and Tips etc.	1
3	Spot Welding Equipment	Work Capacity - 6.3 mm Input 50/60 Hz 230 VAC, 90 Amps or 460 V/AC, 45 Amps Rated Output 20 kVA at 40% Duty Cycle Max. Open- Circuit Voltage 3-5 V	1
4	Manually operated Sheet Metal Bending Machine	Sheet thickness capacity maximum 5mm, right bending.	1
5	Manually operated Sheet Shearing Machine	Sheet thickness capacity maximum 5mm, blade thickness 60mm, gear type.	1
6	Pillar Drill Machine	Multiple speeds, 1.5 HP motor, Drilling capacity of 30 mm or better in mild steel	1
7	Bench Type grinding Machine	304.8mm(12”) diameter wheel, 1HP rating , 1500rpm	1
8	Vertical Band Saw Machine	<ul style="list-style-type: none"> <li>• Job Height 200 mm, Throat 200 mm</li> <li>• Table Size 600 x 600 mm</li> <li>• Blade Speed in 20 – 100 mtr/min</li> <li>• Saw Motor Capacity 3HP</li> </ul>	1

9	Induction Furnace with required accessories	For heating and melting low melting point materials such as aluminum, lead, etc. in the quantity of 5-15 kg for demonstrating the various casting processes and sintering operations to the UG students and for PG research purposes.	1
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**Note:** Technical bid should contain Compliance statement for the tender specifications of machine. Compliance statements of individual machine are given in Annexure-II

**Anexture-2**

**INDIAN INSTITUTE OF TECHNOLOGY MANDI  
SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Arc Welding Equipment**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.1/ARC WELDING EQUIPMENTS

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	<b>INPUT:</b> Primary voltage 380/415 V,3- Phase, Frequency – 50Hz, Input Power @ 100% duty cycle 15-25 KVA		
2	<b>OUTPUT:</b> Output Characteristic CC, OCV 50-90V, Operating arc voltage 20-40 V, Welding current range 50-400 A, Maximum continuous hand welding current @ 60% duty cycle 200-400 A, Maximum continuous automatic welding current @ 100% duty cycle 150-250 A.		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Gas Welding Equipment**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.2/GAS WELDING EQUIPMENTS

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorised dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Complete set of gas welding equipments including Blowpipes, Regulators, Small Cutting Machines, Nozzles and Tips etc.		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Spot Welding Equipment**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.3/SPOT WELDING MACHINE

**Name of the bidder and address:**-----  
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1. If authorised dealer, certificate to this effect from OEM, attached or not?
2. Is validity of the bid is 180 days or not
3. Is the bidder original machine manufacturer (OEM)/authorized dealer?

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Work capacity 6.3 mm		
2	50/60 Hz capacity		
3	230 V/AC, 90 Amps or 460 V/AC, 45 Rated Output: 20kVA at 40% duty cycle		
4	Maximum open- circuit voltage 3-5V		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of manually operated Sheet Metal Bending Machine**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.4/MANUALLY OPERATED/SHEET METAL BENDING MACHINE

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Sheet thickness bending capacity 5mm		
2	Right Bending		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks colu

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Manually operated Sheet Metal Shearing Machine**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.5/MANUALLY OPERATED SHEET SHEARING MACHINE

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Sheet thickness cutting capacity maximum 5mm		
2	Blade thickness 60mm,gear type		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Pillar Drilling Machine**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.6/PILLAR DRILLING MACHINE

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Multiple speeds		
2	1.5 HP motor		
3	Drilling capacity of 30 mm or better in mild steel		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column



**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Bench Type Grinding Machine**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.7/ BENCH TYPE GRINDING MACHINE

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	304. 8mm(12") Diameter.		
2	1HP Rating, 1500rpm		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Vertical Band Saw**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.8/VERTICAL BAND SAW MACHINE

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	Job Height 200 mm		
2	Throat 200 mm		
3	Table Size 600 x 600 mm		
4	Blade Speed in 20 – 100 mtr/min		
5	Saw Motor Capacity 3HP		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column

**INDIAN INSTITUTE OF TECHNOLOGY MANDI**  
**SCHOOL OF ENGINEERING**

**Compliance statement for the tender specifications of Induction Furnace with required accessories.**

**Ref. No.:** IITMANDI/SE/TEN/2011-12/WORKSHOP/3/ITEM No.9/INDUCTION FURNENCE WITH REQUIRED ACCESSORIES.

**Name of the bidder and address:**-----  
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1. Is the bidder original machine manufacturer (OEM)/authorized dealer?
2. If authorized dealer, certificate to this effect from OEM, attached or not?
3. Is validity of the bid is 180 days or not

<b>Sr.No.</b>	<b>Desired Specifications</b>	<b>Bidder Specifications</b>	<b>Remark</b>
1	For heating and melting low melting point materials such as aluminum, lead etc. of 5-15 kg for demonstrating the various casting processes .		

**Instructions**

1. You have to fill in all columns and ensure that you furnish all the required information accurately and unambiguously.
2. If our specification contains any values, you have to provide your values against the column in the same unit as we have specified.
3. Deviation in values, materials etc. from our specification may be explained in the remarks column