

# MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR

No. F5 (402) ST/MNIT/MECH/2011

Phone : 0141-2713312,2713352

Fax No. : 0141-2529029

To,

M/s .....

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## NOTICE INVITING QUOTATIONS

1. Quotations are invited for the supply of Equipments required for Mechanical Engineering Department of this Institute as per list attached/given overleaf **by 11.01.2012 at 02:00 PM**. The quotations will be opened **at 03:00 PM on 11.01.2012**. The covers containing the quotations must be marked **"QUOTATION FOR MECHANICAL ENGG DEPARTMENT DUE ON 11.01.2012 AT 02:00 PM."**

**(TWO BID SYSTEM WILL BE FOLLOWED ALL THE BIDDER ARE REQUIRED TO SUBMIT TECHNICAL AND FINANCIAL BIDS IN SEPARATE ENVELOPS FOR EACH DEPARTMENT.EMD SHOULD BE SUBMITTED WITH THE TECHNICAL BIDS.)**

2. **THE RATES QUOTED SHOULD BE F.O.R. JAIPUR** inclusive of all charges e.g. packing, forwarding local taxes, railway freight, transit insurance, for outside firms and free delivery at Institute stores in the case of local firms. The rates may also be quoted separately "ex-godown/F.O.R. dispatching station. In case of Ex-Godown rates, please mention your packing and forwarding charges. Where there is no mention regarding delivery period in the quotations or where the items are offered ex-stock, the firms will be required to supply goods within one-month time.
3. Quotations should preferably be given only for those articles, which are available ex-stock. Other items should be quoted separately giving the delivery period. Rates of imported goods be quoted excluding custom duty as this institution is exempted from payment of custom duty. The rates of indigenous equipments may be quoted without Excise Duty as this institute is exempted from payment of Excise Duty.
4. As far as possible, quotations should be given for goods of India manufacture and foreign goods, which are readily available. Foreign goods quoted and proposed to be supplied should be covered by normal import quota of the dealer. This institute is exempted from payment of custom duty.
5. Detailed specifications and "make" of each item should be clearly given supported by the illustrated pamphlets wherever possible. Quotations without specifying the make and other particulars may be rejected. The payment will be made after the goods have been received, opened, checked and found to be in order up to our entire satisfaction. The accessories included in the equipment should also be clearly mentioned.
6. Losses or damage in transit will be in to the account of the supplier in case of rates **F.O.R. JAIPUR**. The supplier may, if he so desires, get the goods insured and include such charges in the tendered rate.
7. The payment for the ordered items would be made after the articles have been received and found in order. Normally payment shall be made through a crossed cheque within 30 days of the receipt of goods.

8. Your rates should be valid at least for three months from the last date of receipt of quotations.
  9. All legal proceedings, if necessity arises to institute may be any of the parties (Institute or Contractor/Supplier) shall have to be lodged in the courts situated at Jaipur and not elsewhere.
  10. The undersigned is not bound to accept the lowest tender and may reject any tender or any part of the tender giving justification for such an action.
  11. The rates must be quoted item-wise by giving Serial No. of our enquiry letter.
  12. The quotations should preferably be sent duly typed.
  13. (a) The Penalty Clause is as under :-  

Should the tenderer fail to deliver the goods within the period specified in the tender form the Institute may, at its discretion, allow an extension in time subject to recovery from the tenderer as agreed liquidated damages, and not by way of penalty, a sum equal to the percentage of the value of stores which the tenderer has failed to supply for period of delay as stated below: -

(i)	Delay up to one month	1%
(ii)	Delay exceeding one month but not exceeding two month	2%
(iii)	Delay exceeding two month but not exceeding three month	5%
(iv)	Delay exceeding three month	5% for each month and part there of subject to maximum 10%
  - (b) In case of failure to supply the goods within the prescribed time and in accordance with the specifications given in the Quotations, the institute shall be free to cancel the order and make purchases from the next higher tenderer or from the open market as the case may be. In that case the loss sustained by the institute shall be recovered from the defaulting supplier. The institute will be at liberty to recover the loss from the permanent earnest money/or any other pending claims of the supplier without prejudice to its general right to affect recovery from the supplier.
  14. EARNEST MONEY: A Demand Draft for Rs. @ 2% of the quoted cost only in the name of the Registrar, M.N.I.T. may please be sent along with your tender as Earnest Money **without which no tender shall be considered. Cheques are not accepted as earnest money amount.** No interest is paid by us on the amount of earnest money.
  15. Successful bidder will have to furnish. Performance security @ 10% of the equipment cost, valid for one year two month in the form of Bank's Guarantee from Nationalize Bank.
- Note Equipments & Software Specification are as per list attached.

ASSISTANT REGISTRAR  
Stores & Purchases

S.No.	Item	Quantity
1	<p><b>Surtronic-25 Taylor Hobson Surface Measuring Instrument</b></p> <p><b><u>Detail Specification</u></b></p> <p><b>Taylor Hobson, U.K. make M112/3522 -02, Surtronic 25 Surface Measuring Instrument comprising:-</b></p> <p>K510/3045-01      Digital Display/ Traverse Unit  112/1502            Standard Pick-up  112/1257            Pick-up Cable  112/1534            Reference standard                            Operators Handbook  112/3523-01        Carrying Case for Surtronic 25  112/3469-01        Thermal Printer including Lead 9 pin.</p> <p><b>TECHNICAL SPECIFICATIONS:</b></p> <p><b>PICK-UP:</b></p> <p>Gauge range            300µm (0.012in)  Resolution              0.01µm (0.04µin)  Accuracy                2% of reading + LSD µm  Pick up type             Inductive  Gauge force             150-300mg  Diamond stylus         Tip radius 5µm (200µin)                                Unless otherwise specified</p> <p><b>INSTRUMENT:</b></p> <p>Cut of value            0.25, 0.8, 2.5mm                                (0.01, 0.03, 0.1in)</p> <p>Filter                     2CR or gaussian (selectable)  Traverse length        0.25-25mm (0.01-0.98in)  Traverse speed         1mm/sec (0.04in/sec)  Display units            µm / µin  Data output             RS232  Power                     9V battery or mains (optional)</p> <p><b>PARAMETERS:</b></p> <p>Ra, Rz, Rt, Rp, Rmr, Rpc, Rsm, Rz1max, Rsk, Rda  Must have at least following characteristics.</p> <ul style="list-style-type: none"> <li>• Parameter Options to suit your application</li> <li>• Fast Measurement Cycle</li> <li>• Intuitive Menu Structure</li> <li>• Unique Stylus Lift Mechanism for total flexibility</li> <li>• Long Traverse Length and extended Pick-up reach</li> <li>• Comprehensive Range of Accessory &amp; Pick-up options</li> <li>• Powerful software option</li> <li>• Worldwide technical support</li> </ul>	01
S.N o.	Item	Quantity /No. of license
2	LISREL Software	10 users
3	Minitab 16 Academic	10 users, Perpetual license
4	Delmia Human Ergonomic Software Solution	10 users
5	<p><b>Vane type anemometer</b>  (Make-Testo, Model -410 or equivalent quality )  Velocity range – 0 to 10 m/s</p>	1

6	<b>CO<sub>2</sub> analyzer</b> (Make-Testo or equivalent quality ) 0 to +10000 ppm CO <sub>2</sub> Accuracy- $\pm$ (50 ppm CO <sub>2</sub> $\pm$ 2% of mV) (0 to +5000 ppm CO <sub>2</sub> ) and $\pm$ (100 ppm CO <sub>2</sub> $\pm$ 3% of mV) (+5001 to +10000 ppm CO <sub>2</sub> )	1
7	<b>LiBr-H<sub>2</sub>O vapour absorption refrigeration unit</b> 1 ton capacity, with digital display of temperature, pressure, flow rate before and after every stage	1
8	<b>Universal data logger ( with software )</b> (Make-Agilent, Model- 34970A or equivalent) 3-slot mainframe with built-in GPIB and RS232 interfaces 6.5-digit (22-bit) internal DMM, scanning up to 250 channels per second 8 switch and control plug-in modules to choose from Built-in signal conditioning measures thermocouples, RTDs and thermistors, ac/dc volts and current; resistance; frequency and period 50k readings of non-volatile memory holds data when power is removed Hi/LO alarm limits on each channel, plus 4 TTL alarm outputs Free Bench Link data logger software to create tests without programming	1
9	<b>Pyranometer</b> (Make-Delta devices, Model-SPN1 or equivalent) Range- 0 to 2000 W/m <sup>2</sup> , Display resolution 1 W/m <sup>2</sup> , overall accuracy $\pm$ 5% daily integrals with data logger and computer connectivity (with software)	1
10	<b>Hot Wire Anemometer</b> (Make -KIMO instruments, Model- VT 100/200 or equivalent) Air Velocity Range from 0.15 to 3 m/s, resolutions 0.01 m/s Air Flow range from 0 to 99999 m <sup>3</sup> /h, resolutions 1 m <sup>3</sup> /h Ambient Temperature range from -20 to +80°C, resolutions 0.1°C	1
11	<b>Evacuated Tube Solar Water Heating Tutor</b> (With 100 liter capacity and absorber size about 2 m <sup>2</sup> , digital temperature (Range 0-150°C ) and pressure (Range 0-10 bar) digital display before and after absorber Make- Radix or equivalent, glass tube inside and outside temperature, water tank temperature at different depths (Thermocouples K-type), water level indicator, vacuum display, Digital flow meter (6 digit indicator, range- 0-0.5 lit/sec) and control valves before and after every stage, Make-Radix or equivalent)	1
12	<b>Flat plate collector type solar water heater Tutor</b> (Indirect type forced circulation 3 speed pump, with water storage capacity of 100 liter, absorber size about 2 m <sup>2</sup> , digital temperature (Range 0-150°C ) and pressure (Range 0-10 bar) display before and after absorber (Make- Radix or equivalent), Absorber plate temperatures at nine points (Thermocouples K-type), water tank temperature at different depths (Thermocouples K-type), water level indicator, Digital flow meter (4 digit indicator, range- 0-0.5 lit/sec) and control valves before and after every stage (Make-Radix or equivalent)	2

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