

No. F5(1267)ST/MNIT/Mett/2016

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NOTICE INVITING QUOTATIONS

1. Registrar, MNIT, Jaipur invites sealed "QUOTATIONS" for the supply of **Planetary Ball Mill along with 500ml volume Stainless Steel Grinding Jar (1No) and 12mm stainless steel balls (100 Nos)** for **Department of Metallurgical and Materials Engineering** of this Institute in **Single bid system**. As per schedule given below

Event	Date & Time
Download of Tender	11.04.2017
Bid submission	26.04.2017 by 2.00 PM
Quotation will be opened at	26.04.2017 at 3.00 PM
Earnest Money	Rs.20,000/- (Kindly attached the RTGS details with cancelled cheque along with the Earnest Money)

Quotation must be enclosed in a properly sealed envelope addressed to the MNIT, Jaipur with kind attention to Assistant Registrar (S&P), MNIT, Jaipur by designation and not by name. The quotations must be super scribed "Quotations for the supply of **Planetary Ball Mill along with 500ml volume Stainless Steel Grinding Jar (1No) and 12mm stainless steel balls (100 Nos)** --- ----- as called for in Tender Notice No. ----- dated _____" DUE ON----- - AT -----AM/PM. The Quotation must reach on or before -----AM/ PM on or before the due date and time mentioned in the tender notice/tender document. The documents must be dropped in the tender box available in Central Store during office hours (9.30am to 6.00pm) on all working days. Bids delivered to any other place or any individual shall not be considered as valid document. Quotations sent by e-mail will not be considered valid. **Details visit www.mnit.ac.in**

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. **Payment will be made by RTGS. Kindly send the RTGS details and cancelled cheque along with the Invoice.**
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 give 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. 20,000/-- 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. **Kindly attached the RTGS details with cancelled cheque along with the Earnest Money. Cheques / FDR are not accepted as Earnest Money**
15. Successful Bidder has to Provide Performance security @ 10% of the equipment cost, valid for 01 Year + 2 months for in the form of Bank's Guarantee from a nationalized bank.
16. Specification Enclosed.

Assistant Registrar
(Store & Purchase)

SPECIFICATIONS FOR BENCH TOP PLANETARY BALL MILL

The Planetary ball mill should be capable of grinding (or Pulverizing, mixing, homogenizing, colloidal milling, mechanical alloying) Soft, hard, medium-hard, brittle, fibrous, tough and moist materials in vertical axis.

1. Grinding station should be of single stage with two Stacking bowls facility.
2. Speed ratio The speed ratio should be in the range of 1: -2.
3. Feed Size should not exceed 10 mm.
4. Final fineness should be less than 1 μm for dry grinding & less than 0.1 μm for colloidal grinding.
5. Sample quantity range should be 10 ml minimum and 220 ml maximum.
6. Effective diameter of main disk should be in the range of > 135 mm.
7. Maximum Rotational Speed of Main disk should not be lesser than 650 rpm.
8. Centrifugal force should be in the range of (>30) x acceleration of gravity.
9. Motor Drive and Power Should be a 3-phase asynchronous motor with frequency converter and the power should 1200 W.
10. Grinding environment must have the capability of operating in both dry and wet Conditions with inert gas environment too please quote the necessary Accessories.
11. **Grinding jar made of Stainless steel** Material with 500 ml volume -1 number and the grinding balls of **Stainless steel** material 12mm – 100 numbers
12. Please quote 5No O Ring for 500 MI Jar
13. Please also quote one optional tooth belt
14. Programmable microprocessor controller should have the facility of programming with programmable interval, Pause time and reverse direction (00:00:01 sec to 99:59:59 hr: min: sec).
15. Electrical Supply Should be single Phase, 230 V, 50- 60 Hz with power consumption not Exceeding 1250 W
15. Salient Features: planetary ball mill should have the following Salient features:
Additional Safety Lock.
 - (a) Use counter weight and imbalance sensor to maintain perfect stability on lab bench for unsupervised operation.
 - (b) Gentle grinding in centrifugal mode.
 - (c) Power failure backup that ensures storage of remaining grinding time.
 - (d) Electricity saving mode.
 - (e) Powerful and quick grinding down to nano range
 - Perfect stability on lab bench with FFCS technology
 - Innovative counter weight and imbalance sensor for unsupervised operation
 - Comfortable parameter setting via display and ergonomic 1-button operation
 - 10 SOPs can be stored
 - Power failure backup ensures storage of remaining grinding time
 - Measurement of energy input
 - Safety Slider for safe operation

Cooling fan or ventilation in grinding chamber for long time operations

Documentation Operation Manual, Safety precaution manual & Application Video should be provided along with the equipment.

ASSISTANT REGISTRAR
(S & P)