

**DEPARTMENT OF MECHANICAL ENGINEERING**

**INDIAN INSTITUTE OF TECHNOLOGY DELHI**

**NOTICE INVITING QUOTATIONS**

**21<sup>st</sup>-Oct-2013**

Quotations are invited in sealed covers for the following equipment.

**4 High Cold Rolling Mill**

Quotations are to be submitted to Prof. D Ravi Kumar, Dep. of mechanical Engineering

**IIT Delhi (Block-II, 357), IIT Delhi, Hauz khas, New Delhi 110016 in sealed covers latest by 5<sup>th</sup> November, 2013.**

The detailed requirements/specifications are given below.

**Technical specifications for 4 High cold rolling mill**

1. Type of rolling mill: 4 High cold rolling mill for laboratory experiments and research.
2. Width of sheet/strip to be rolled: 200mm
3. Materials to be rolled: Thin sheets of mild steel, Aluminum alloys and other soft materials.
4. Maximum initial sheet thickness: 5mm
5. Minimum output thickness: 0.5 mm
6. Roll material
  - a. Work rolls: Hardened steel (High carbon high chromium steel)
  - b. Back up rolls: Hardened steel (High carbon high chromium steel / En-31/K-310 steel)
7. Overall dimensions (approximately): (length) 2000mm\*(width) 800mm\*(height) 1200mm
8. Roll speed: 15m/min

9. Technical specifications of main motor, gear box, couplings and other important parts should be mentioned clearly in the quotation.

10. Measurement and display system:

a. Rolling load: Accurate system for measurement of rolling load and digital display should be provided. Least count should be 0.1 kN or lower.

b. Roll gap: An automated system for roll gap adjustment and digital display should be provided with a least count of 0.02mm or lower.

11. Suitable table system should be provided on either side of the rolls to guide the sheets during feeding on entry side and handling on the exit side.

**Additional information (Important):**

1. The commercial and technical bids should be separately submitted by clearly mentioning on the envelope. All the technical specifications should be given.

2. The cost of rolling mill and other items, if any, should be separately be separately mentioned along with details of taxes. Warranty period (1 year/2year/3years) should also be mentioned.

3. Details of all accessories, if any and make/model should be clearly mentioned.

4. Payment will be made on installation and verification. No advanced payment is possible.

5. In case of imported items; the payment will be made through an irrevocable letter of credit.

6. Complete set of manuals for the operation and servicing of equipment should be given.

7. The validity of the quotation must be at least 3 months from the date of quotation..

8. Prices should be quoted CIF IIT Delhi.

9. The delivery period must be clearly mentioned from the date of supply order.

10. If the bidder is an Indian agent, the agency certificate should be enclosed.

11. The compliance certificate should be provided.
12. The institute reserves the right to accept or reject any quotation without assigning any reasons.
13. Other terms and conditions, if any, must be clearly mentioned.

For any further clarification, kindly contact:

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Professor

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