

Department of Mechanical Engineering

I.K. Gujral Punjab Technical University (Main Campus), Kapurthala

Ref. No.: IKGPTU/ ME/ 5110



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੋਲੋਜੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

Dated: 15/01/2024

Open Quotation
Website Copy
Ptu.ac.in

Subject: Request for quotations to supply Rockwell cum Brinell Hardness Testing Machine and Pendulum type impact testing machine for the Department of Mechanical Engineering, IKGPTU Main Campus Kapurthala.

Dear Sir,

This is in reference to purchase of a Rockwell cum Brinell Hardness Testing Machine (1 unit) and Pendulum type impact testing machine (01 unit) for the Department of Mechanical Engineering, at I.K. Gujral Punjab Technical University, Main Campus, Kapurthala.

1. You are invited to submit your most competitive quotations **along with technical specification compliance sheet (Annexure I and II)** for the following equipment:

1.	Rockwell cum Brinell Hardness Testing Machine and	Specifications: Attached in annexure- I
2	Pendulum type impact testing machine	Specifications: Attached in annexure- II

2. **Quotation:**

- Overwriting in quotation should be avoided.
- All duties, transportation charges, packing charges and other levies payable by the supplier shall be included in the unit price. **Price of each equipment/item should be quoted separately.**
- Applicable taxes shall be quoted separately for all items.
- Quotation shall remain valid for **90 Days** after the last date of quotation submission.
- Each bidder shall submit only one quotation.
- The prices should be quoted in Indian Rupees only.

3. **Evaluation of Quotations:** The Purchaser will evaluate and compare the quotations determined to be substantially responsive, i.e., which

- are properly signed and
- confirm to the terms and conditions, and specifications. Any quotation other than the specifications mentioned will not be considered.

4. **Award of Purchase Order:**

The Purchaser will issue the Purchase Order to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price for each equipment/item.

- Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time.
- The bidder whose bid is accepted will be issued Purchase Order by the Purchaser prior to the expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.

Department of Mechanical Engineering

I.K. Gujral Punjab Technical University (Main Campus), Kapurthala




5. **Payment Terms:** All goods will be delivered to Department of ME at I.K. Gujral Punjab Technical University, Main Campus, Kapurthala. No advance payment will be made. University will not pay any extra amount as the quote amount is inclusive of all taxes/Govt. levied duties/transportation charges etc. Payments shall be made in Indian Rupees as follows:
a) Delivery, Installation & Acceptance – **100%** of total cost
6. **Warranty:** All supplied items under purchase must have warranty of **12 Months** from the date of successful acceptance of items.
7. **Last Date & Time:** You are requested to provide your offer within **eighteen days** from the dispatch date of this letter.
8. Training Clause (if any) **Yes**
9. Testing/Installation Clause (if any) **Yes**
10. Information brochure/product catalogue, if any must be accompanied with quotation clearly indicating the model quoted for.
11. **Sealed Quotations:** Quotations sent via email should be summarily rejected. Please subscribe on the envelop "Quotation for Rockwell cum Brinell Hardness Testing Machine and Pendulum type impact testing machine for Department of Mechanical Engineering. To be opened by Committee only". Only sealed quotations to be submitted/delivered at the address mentioned below:

**[Quotations for Rockwell cum Brinell Hardness Testing Machine and Pendulum type impact testing machine for Department of Mechanical Engineering]
TO BE OPENED BY COMMITTEE ONLY**

To
**THE REGISTRAR,
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY,
JALANDHAR-KAPURTHALA HIGHWAY, VPO – IBBAN
KAPURTHALA-144603 (PB)**

We look forward to receiving your quotation and thank you for your interest in this project.


HOD, Department of Mechanical Engineering
(Authorized Signatory)



ANNEXURE I

Technical Specifications and Compliance Sheet

The specifications of the equipment are given below:

S. No	Item (Quantity)	Specification	Compliance (Yes/No)
1	Rockwell cum Brinell Hardness Testing Machine (01 Unit)	Equipment for conducting Brinell and Rockwell hardness tests. Quick load change option for performing Brinell and Rockwell hardness tests.	
		Direct reading of Rockwell scales HR-A, B, C. Hardness resolution: 1.0 of a Rockwell unit	
		Initial Load (Kgf) 10 Test Load for Rockwell (Kgf): 60, 100, 150 Test Load for Brinell (Kgf): 187.5	
		Max. Test Height (mm) 230 or better Depth of Throat (mm) 148 or better	
		STANDARD ACCESSORIES: - Testing table 50mm dia 1 pc. Testing Table 40 mm dia with V groove for round jobs 6 to 45mm dia. 1 pc. Rockwell Diamond Indentor 3 pc. Steel ball Indentor 1/16" 3 pc. Steel ball Indentor 2.5 mm 3 pc Steel ball Indentor 5 mm 3 pc Steel ball 1/16" 3 pc. Brinell Microscope Test Block Rockwell 'A' 1 pc. Test Block Rockwell 'C' 1 pc. Test Block Rockwell 'B' 1 pc. Allen Spanners as required for equipment and accessories. Clamping Device 1 pc. Instruction Manual 1 Book	
		Complete with manual. The calibration, transportation, installation, commissioning, training and demonstration at the institution after installation should be included.	

(Authorized Signatory)

ANNEXURE II

Technical Specifications and Compliance Sheet

The specifications of the equipment are given below:

S. No	Item (Quantity)	Specification	Compliance (Yes/No)
1	Pendulum type impact testing machine (01 Unit)	The Pendulum Impact Tester for conduction Izod & Charpy Test. The Pendulum Impact Tester for conduction Izod & Charpy Test should confirm the essential requirements of BS-131, Part 4, BS EN 10045 – 2 and IS – 3766, IS – 1757 & IS – 1499. The Pendulum should be mounted on antifriction bearings. Two positions for release of pendulum required, the upper one for Charpy and the lower one for Izod testing.	
		Pendulum Impact energy: 30 kgm/ 300 J (Charpy test) and 16.52 kgm/ 164 J (Izod test) Maximum Capacity 300 J / 164 J	
		Reading method: Digital direct display	
		Least Count: 0.1 Kgm for digital reading	
		Along with strikers and sample holding/gripping device for conducting izod and charpy tests.	
		Manual break for stopping the pendulum from swinging after the test.	
		Guard to be provided for operator protection.	
		Complete with manual. The calibration, transportation, installation, commissioning, training and demonstration at the institution after installation should be included.	

(Authorized Signatory)