

Attention:

Subject: **QUOTATION FOR THE PURCHASE OF “UNIVERSAL TESTING MACHINE”.**

We intend to purchase goods according to the details as under:

Sr. No	Description	Qty
01	Universal Testing Machine (Detailed specifications as per page-2)	01

TITLE: COMPUTER CONTROL DUAL COLUMN UNIVERSAL TESTING MACHINE(FLOOR STANDING)

1. GENERAL SPECIFICATIONS:

1) Max Load (KN)	25 KN
2) Control Method	Computer Automatic Control
3) Load Accuracy	$\pm 0.5\%$
4) Load Range	0.2% to 100% full scale
5) Resolution of Load	1/300000 of full scale
6) Measuring range of deformation	2 % to 100 %
7) Accuracy Measure of Deformation	$\pm 0.5\%$
8) Relative Error of speed	$\leq 1\%$
9) Resolution of displacement	0.001 mm
10) Cross Head Speed (mm/min)	0.001 to 500mm/min
11) Cross Head Speed Measurement	$\pm 1\%$ of display cross head speed
12) Drive System	AC servo motor with concentrated windings , motor feedback system
13) Data Acquisition Rate	Min. 2.5kHz
14) Max Cross Head Travel	Min 1150mm
15) Effective Tensile Test Space	Min. 850 mm
16) Compression Test Space	Min. 850mm
17) Test Width	Min. 400mm
18) Grips	Manual Grip
19) Types of Test	Tensile & Compression
20) Load Cell Configuration	One (Max Load)
21) Power Supply	380V \pm 10 % 50Hz

2. STANDARD ACCESSORIES/ FEATURES

- Standard clamping fixture for graphite specimen testing as per ASTM standard C749
- Compression Plates Ø 100mm
- Cross head position limiter
- Emergency stop button
- Tool Set
- With all standard accessories
- Wearing parts for 3 years.

3. SUPPLY OF DOCUMENTS:

- Operational, maintenance and service manuals
- Software of equipment (in USB/CD form)
- Mechanical assemble drawings
- Mechanical sub assembly drawings
- Electrical /electronic control circuit diagrams
- Part no list/equipment parts catalog
- All relevant documents shall be supplied along with the equipment

4. Warranty:

- Supplier/ manufacturer shall give warranty for trouble free operation of equipment for 1 year starting from the date of commissioning

5. TERMS AND CONDITIONS

- The quotation must be submitted giving full technical details of equipment with list of accessories; spare parts and other consumables.
- Each standard and optional accessories / spare parts must be priced individually.