



भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, खंडवा रोड, इन्दौर, भारत, पिन - 453 552

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IIT
Indore

Ref. Tender Notice No.: IITI(MM)/ NIT /SML&FML/2016-17/10 Dt.02.12.2016

Sub: Experimental set up for Solid and Fluid Mechanics laboratories –reg.

PRE-BID REPORT

As per the terms of the tender referred above, the meeting for Pre-bid discussion and presentation was held at IIT-Indore on **09/12/2016 at 3.00 PM**. The report of the meeting is as below.

Sl. No.	Queries received from	Query/Clarification/Deviation sought	Clarification/Response from IITI
--	General	Capacity of UTM	UTM with capacity not less than 500KN and upto 600KN is acceptable.
01.	FIRM-01	1) Kindly specify the sample details for each tensile , compression, shear and bend test in UTM	Flexible. Bidder may specify sample details as per manufacturer's catalogue
02.		2) Kindly specify the accuracy level required in results	Flexible but not more than 0.5% of applied force. <i>Bidder may specify accuracy level as per manufacturer's catalogue if it deviates from the above.</i>
03.		3) Kindly specify the ASTM/ISO standards required for testing the samples	BS1610/DIN51221/ISO75001/ASTM E4
04.		4) Kindly specify the range of load cell you need for your requirement.	Load cell with force measurement capacity of 500kN/600kN; desirable calibrated range:2% to 100%
05.		5) Kindly specify Sample & its size details?	Bidder may specify size details for metal, cement concrete, brick samples as per manufacturer's catalogue which can be tested
06.		6) Kindly specify UTM with only automatic logging?	Automatic logging required. However, bidders may quote variants separately which may be considered.
07.		7) Kindly specify UTM with automatic stress/strain system with feedback system?	Yes. Automatic control is required
08.	FIRM-02	500kN Universal Testing Machine	In case 600 kN UTM is manufactured/traded instead of 500 kN UTM by bidder, bid may be given for 600 kN UTM
a.		Speed Range	Flexible; 0.001 to 500mm/minute is desirable
b.		Material to be tested	Metal, cement concrete, brick
c.		Load control Range	0-500 kN for 500 kN UTM; 0-600 kN for 600 kN UTM
09	FIRM-03	500kN Universal Testing Machine;	It can be 600kN UTM incase 500kN is not manufactured/traded

a.		Speed Range	Flexible; 0.001 to 500mm/minute is desirable
b.		Speed Accuracy	Minimum Speed accuracy 0.005%. Bidder may specify speed accuracy as per manufacturer's catalogue
c.		Specification for Grip, Load cell: Sample size i.e. Length, Width, thickness, min or max value	Bidder may provide specification details as per manufacturer's catalogue
d.		Sample size i.e. Length, Width, Dia, min or max value	Bidder may specify size details for metal, cement concrete, brick samples which can be tested as per manufacturer's catalogue
e.		Speed of Testing	Flexible. Desirable Speed of Testing is 0.001 to 500mm/minute
f.		Min and Max Breaking strength in cm ²	It will depend on the material to be tested and the limiting capacity of UTM.
g.		3 point bending fixture-distance between each support min & max	Bidder may provide specification details as per manufacturer's catalogue
h.		Compressive test- Shape of sample min or max size of the sample	Cube; cylinder. Bidder may specify sample size for metal, cement concrete, brick which can be tested as per manufacturer's catalogue
i.		Torsion testing	BS1610/DIN51221/ISO75001/ASTM E4 or related standards.

Please Note :

- i. This pre-bid meeting report is part of the original tender document.
- ii. The prospective bidders are requested to take note of the above Pre-bid meeting report and submit their Techno-commercial bid as per Tender terms and conditions.

Revised Schedule of Bid submission will be 03.01.2017(Tuesday) in place of 27.12.2016(Tuesday)

----- *END OF THE REPORT* -----