

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR
NH-62, Nagaur Road, Karwar, Jodhpur-342037
Email: sps@iitj.ac.in, Tel: 0291-280-1101

Corrigendum 1
Date: January 04, 2019

E-PROCUREMENT OF Universal Testing Machine
NIT No: IITJ/SPS/2018-2019/61 dated 18 December 2018

Serial No.	Page No.	For	To be Read As
1	2	Is Multi currency allowed- No (INR)	Is Multi currency allowed- YES
2	Point 3, Page 17	Load Accuracy: $\pm 0.1\%$ of the maximum set load depending on the specific test	Load Accuracy: $\pm 0.1\%$ of the maximum set load depending on the specific test or better
3	Point 6, Page 17	Crosshead travel: Total crosshead travel (the distance between the base platen and the bottom surface of the top crosshead) is 1200 mm or more	Crosshead travel: Total crosshead travel (the distance between the base platen and the bottom surface of the top crosshead) must be 1200 mm or more, and frame height should be such that it can accommodate the environmental chamber and high-temperature furnace with appropriate grips, accessories and tensile sample after few hundred percent elongation.
4	Point 13, Page 18	Load Cell Capacity and Accuracy: Load cell of 100 kN with precision $\pm 0.5\%$ to full scale or better Vendor also has to quote additional load cells of 50 kN, and 10 kN with precision range of $\pm 0.5\%$ or better Load cell should withstand up to 150% of rated load without mechanical damage and up to 100% without zero shift.	Load Cell Capacity and Accuracy: Load cell of 100 kN with precision $\pm 0.5\%$ to full scale or better Vendor also has to quote additional load cells of 50 kN, and 10 kN with precision range of $\pm 0.5\%$ or better Load cell should withstand to 150% of rated load or better, and without mechanical damage and up to 100% without zero shift or more (better)
5	Point 24, Page 19	1. Data acquisition rate should be 2000 Hz or better per channel. 2. The data acquisition system should have at least 24-bit resolution 3. Data sampling rate should be 40 kHz or more (Desirable 300 kHz or more). 3. Transmission Method should be USB. 4. Export results in various format like word, excel, CSV & PDF	1. Data acquisition rate should be 2000 Hz or better per channel. 2. The data acquisition system should have at least 24-bit resolution 3. Data sampling rate should be 40 kHz or more (Desirable 300 kHz or more). 3. Transmission Method can be either USB, or the data can be directly seamlessly transferred to Lab Information Management

		<p>Run time screen must be capable of displaying both the real time graph and the calculated results of multiple specimens simultaneously.</p> <p>Test control software must be able to automatically store raw data or calculated results in an ASCII file.</p> <p>Data should be easily exported to MS Excel</p> <p>The software must include the capability to define correction factors such as <u>machine compliance</u>, slack, pretension, load and gauge length.</p>	<p>System (LIMS) or other business system, or data transmission can be through another equivalent method.</p> <p>4. Export results in various format like word, excel, CSV & PDF</p> <p>Run time screen must be capable of displaying both the real time graph and the calculated results of multiple specimens simultaneously.</p> <p>Test control software must be able to automatically store raw data or calculated results. Data should be easily exported to MS Excel</p> <p>The software must include the capability to define correction factors such as <u>machine compliance</u>, slack, pretension, load and gauge length.</p> <p>The software may have an option of viewing the raw data on the main screen during the test to examine every data point for any measurement.</p> <p>Preferably, the software may have an option for video recording of a test with link to video file with the data acquired. This feature should allow for the connection of a webcam or other video capture device, allowing the operator to record the playback of the specimen throughout the test</p>
6	Point 27 Page 20	The chamber must have an internal travel of at least 600 mm or more.	The chamber must have an internal travel of at least 600 mm or more. The chamber must be able to accommodate appropriate grips, accessories and tensile and compression samples after preferably hundred percent elongation for standard samples
7	Point 28, Page 21	Scope of the supply includes furnace temperature controllers, 10 no. of spare thermocouples, and interfacing with PC. The temperature of the furnace and sample in all three zones must be displayed on the PC.	Optional scope of the supply includes furnace temperature controllers, 10 no. of spare thermocouples, and interfacing with PC. The temperature of the furnace in all three zones must be displayed preferably on a computer.
8	Point 33,	AMC: Vendor has to quote 5 year	AMC: Vendor has to quote 2 years

	Page 22	AMC after the expiring of warranty period as optional item.	AMC after the expiring of warranty period as optional item.
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