



भारतीय प्रौद्योगिकी संस्थान भिलाई

जिला-दुर्ग, छत्तीसगढ़-491001

Indian Institute of Technology, Bhilai

Dist.- Durg, Chhattisgarh - 491001

Website: www.iitbhilai.ac.in

Date: 06-10-2023

CORRIGENDUM-1

This is in reference to the tender no. IITBh/Goods/CIF/2023-24/113, Dated: 21-09-2023 for “Electro Mechanical Universal Testing Machine at IIT Bhilai”

Following changes are made in Tender Document. The rest of the specifications/conditions mentioned in the tender remain the same.

	Existing	To be read as
Frame Specifications		
Vertical test space:	1000 mm or better	750 mm or better
Environmental chamber:		
Internal area dimensions:	600 mm (H) × 250 mm (W) × 250 mm (D)	600 mm (H) × 250 mm (W) × 250 mm (D) or better
Temperature range:	-150°C to 600°C or better	-120°C to 600°C or better
	Suitable dewar required for passing Liquid Nitrogen to the chamber should be quoted along with the equipment. The dewar quoted should be capable of attaining and maintaining the chamber temperature at -150°C for at least 1 hours.	Suitable dewar required for passing Liquid Nitrogen to the chamber should be quoted along with the equipment. The dewar quoted should be capable of attaining and maintaining the chamber temperature at -120°C for at least 1 hours.
Tensile Grips:		
Temperature range:	(1) -150°C to 600°C (For Manual Grips) (2) Ambient temperature (For Pneumatic Grips)	(1) -120°C to 600°C (For Manual Grips) (2) Ambient temperature (For Pneumatic Grips)
Face size (gripping area):	50 mm x 50 mm or better	25 mm x 50 mm or better
Sample length(A,B,C Sample length):		A,B, and C shall be of 5-10 mm each respectively. Total sample length could be 15 to 30 mm. Thickness could be 1 mm or lesser to 3 mm or more.
Gauge length:		5 to 10 mm or higher
Elongation:		25 mm or higher
Sample braking load:		The tie-rod and grippers should be designed to take up to at least 60% of the designed test load (i.e. of the main load cell). For sample load calculation, testing of an INCONEL 625 sample at 350 degree with the maximum sample dimension give above could be taken.
Standard:		Minitaturized ASTM E8 standard.



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Compression platen:		
Temp range:	-150°C to 600°C	-50°C to 140°C or better
Bending (3 and 4 point) fixture:		
Temp range:	-50°C to 250°C	-50°C to 140°C or better
Fracture test fixture for Compact tension:		
Temp range:	-50°C to 250°C	-50°C to 140°C or better


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IIT Bhilai



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