भारतीय प्रौद्योगिकी संस्थान इंदौर
खण्डवा रोड़, सिमरोल, इंदौर - 453 552, भारत
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore - 453 552, India
www.iiti.ac.in
IIT Indore

Ref. No.: IITI(MM)/ME(PRJ)/1/1A/51/IS/2025-2026 **August 22, 2025**

PREBID REPORT

The online meeting for Pre-bid discussion will be held at **IIT-Indore through online on 14/08/2025 at 03.00 PM onwards** for **Supply and Installation of Servo Hydralic Testing Machine.**

Till date, we have received the below mentioned queries.

Sl. No.	Reference of the Clause/ Page No. of the Tender Document	Query raised	Query Raised by	Response from IITI
1.	**Page No. 09, Sr. No. 2 Basic Load Frame:** Maximum Fatigue-rated Capacity: ± 50kN with minimum frame stiffness of min. 500kN/mm at daylight of 1000mm	Stiffness value is too high as compared to the load frame capacity Daylight should be 800mm	M/s. Hydraulic & Engineering Instruments	Better stiffness will give better performance of the machine. The mentioned stiffness value of 500 kN/mm is our minimum requirement. It is acceptable to us if supplier can provide a frame with stiffness higher than this.
2.	**Page No. 09, Sr. No. 3 Actuator:** Hydrostatic bearing actuator +/- 50kN Force, stroke 100 mm	It should be hydrostatic/polymeric bearing technology. Hydrostatic bearing technology is useful for high frequency applications		Hydrostatic bearings have longer life and better alignment than polymeric bearings. Therefore, we need hydrostatic bearings.
3.	**Page No. 09, Sr. No. 3 Actuator:** Hydraulic Power pack must be integrated with the load frame	It can be integrated with the load frame only if the flow requirement is less. Generally integrated HPU units can accommodate motor capacity up to 5HP		We need integrated power pack as it provides compact footprint that is more suitable for our academic labs. We do not want to spend extra space/cabin for the power pack.
4.	**Page No. 09, Sr. No. 3 Actuator:** System pressure of 280 bar	Maximum Operating Pressure should be 180-210 bars		Higher system pressure will provide better performance. System pressure of 280 bar is our minimum requirement. We are okay, if the supplier

			M/s. Hydraulic & Engineering Instruments	can provide higher than the mentioned requirement.
5.	**Page No. 09-10, Sr. No. 3 Actuator:** Refrigerator type oil chiller unit with nominal cooling capacity of 29.3kW or above should be provided to maintain constant, air temperature independent oil temperature of power pack while working in summer season (47°C) and for continuous working of the machine in summer season. It shall have reservoir capacity of minimum 100 liters. The chiller should have frost protection feature.	OK but the TR is decided upon the flow rate required		The mentioned chiller is required for the hydraulic power pack. We want to have the minimum cooling capacity of 29.3 kW and other mentioned requirements.
6.	**Page No. 10, Sr. No. 5 Grips and Fixtures:** Must have cooling mechanism for mounting	Kindly clear this point / mechanism to cool the mounting or the grips		The cooling mechanism for mounting is required to avoid transfer of heat to the load cell.

All prospective/willing bidders are requested to take note of this report as part of the Tender document. All other terms and conditions of the tender remain unchanged.

22/01/25

Assistant Registrar (MMS)

सहायक कुलसचिव
(सामग्री प्रबंधन विभाग)
Assistant Registrar
(Materials Management Section)