

SHRI G.S. INSTITUTE OF TECHNOLOGY AND SCIENCE, INDORE (M.P.)-3
CIVIL ENGINEERING & APPLIED MECHANICS DEPARTMENT

No.: CE-AMD/HOD/2025/ 897

Date: 16-07-2025

16 JUL 2025

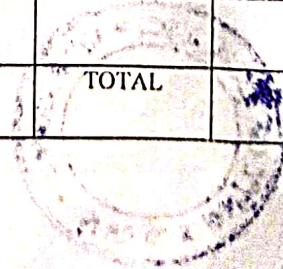
:: NOTICE FOR INVITING SEALED QUOTATIONS::

Sealed quotations are hereby invited from eligible Vendors / Suppliers / Service Providers / Contractors for the Supply and Installation of Fabricated Grips for 60-Ton Universal Testing Machine (UTM) located in the Structural Engineering Laboratory CEAMD, for the purpose of testing reinforcement bars of various sizes.

General Instructions:

- Interested parties must submit sealed quotations as per the technical specifications enclosed with this notice.
- Quotations must include pricing, GST, delivery time, and terms of service/warranty, as applicable.
- The materials and services should comply with the relevant quality standards and must be delivered/installed F.O.R. SGSITS, Indore.
- The institute reserves the right to accept or reject any or all quotations without assigning any reason thereof.
- For site inspection or technical clarifications, vendors may contact the department during working hours.
- Sealed quotations are invited from the contractors for the following contract. The quotations shall be submitted latest by 03.00 PM on 23-07-2025 in favour of Director, SGSITS Indore mentioned.
- All Vendors / Suppliers / Service Providers / Contractors must submit your proposal on their letter head, sealed in envelop mentioning name of work and due date.

Sr. No.	Name of Work	Unit	Rate per SET (Rs.) (Exclusive GST)	Applicable GST	Amount per Set (Including GST)
A.	Supply ,Installation , testing and commissioning of Fabricated Grips for 60-Ton Universal Testing Machine (UTM)				
1.	UTM RACK JAW -04 NOS	01 SET			
2.	UTM SHEET JAW GRIP 0-15 MM FLAT (1 Set of 04 Nos)	01 SET			
3.	UTM SHEET JAW GRIP 15-30 MM FLAT (1 Set of 04 Nos)	01 SET			
4.	UTM SHEET JAW GRIP 10-25 MM round specimen /VEE (1 Set of 04 Nos)	01 SET			
5.	UTM SHEET JAW GRIP 25-40 MM round specimen/VEE (1 Set of 04 Nos)	01 SET			
6.	Supply & Installation of New Chain and Rubber ring for	01 SET			
				TOTAL	



16 JUL 2025

Terms and Conditions:

1. **Delivery/Service Period:** Within 15 Days
2. **Warranty (if applicable):** Minimum 12 months
3. **Validity of Quotation:** Minimum 45 days from submission.
4. **Firm Registration , Gumasta, PAN & GST Details:** (Attach copies)
5. **Bank Details for Payment (NEFT/RTGS):**
 - o Bank Name:
 - o Account Number:
 - o IFSC Code:
6. **Any Other Relevant Information:**

Payment Terms & Conditions

1. **Payment Schedule**
 - o 90% of the total payment shall be released **after successful delivery, installation, and satisfactory fixation** of the fabricated grips on the 60-Ton UTM at the Structural Engineering Laboratory, SGSITS, Indore.
 - o The remaining 10% shall be retained as **Performance Security** and released after the completion of the **warranty period of 12 months** from the date of installation, subject to no defects being reported.
2. **Warranty Clause**
 - o The vendor shall provide a **minimum 12-month warranty** against any manufacturing defects, material failures, or dimensional inaccuracies in the fabricated grips..
 - o During the warranty period, the vendor must repair or replace defective parts at no **additional cost** to the institute.
3. **Inspection & Acceptance**
 - o Final acceptance of the grips shall be subject to **inspection and approval** by the departmental technical team after installation and performance testing.
4. **Mode of Payment**
 - o Payment shall be made via **bank transfer** against submission of a **tax invoice, installation report, and warranty certificate**, duly verified by the Head of the Department.

Declaration:

We hereby declare that the information provided above is true and correct to the best of our knowledge. We agree to supply the above items/services as per the specifications and terms provided in the quotation notice.

Authorized Signatory:

(Signature with Stamp)

Name:

Designation:

Date:

Place:

Enclosure:

- Detailed Technical Specifications for Fabricated Grips



1617
DIRECTOR
SGSITS INDORE
SGSITS Indore
Indore - 452003 (M.P.)

Technical Specifications for Fabricated Grips

For: 60 Ton Universal Testing Machine (UTM)

Location: Structural Engineering Laboratory

1. Purpose of the Grips

To securely hold various sizes of structural specimens (e.g., round bars, flat specimens) during tensile, compression, and other mechanical tests conducted using the 60T UTM.

2. Compatibility

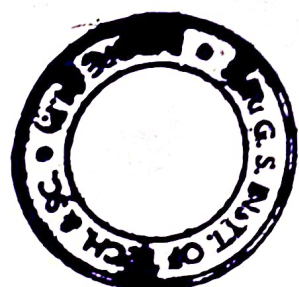
- The grips must be **custom-fabricated to match the existing serrated jaw/teeth profile** of the 60-ton UTM.
- Grip interface must ensure **firm locking without slipping** and must not damage the internal gripping jaws of the machine.

3. Material Specification

- **Material:** EN8 Engineering Steel (also known as 080M40)
- **Type:** Unalloyed medium carbon steel
- **Hardness (as delivered):** 180 – 250 BHN (Brinell Hardness Number)
- **Tensile Strength:** Minimum 600 MPa
- **Heat Treatment:** Normalized or induction hardened, if required, to ensure balance between strength and machinability.

4. Dimensional Requirements

- **Grip Pairs Required:** Minimum of **3 pairs** of interchangeable grips to accommodate different specimen sizes:
 - **Pair 1:** For round specimens – 10 mm to 20 mm diameter
 - **Pair 2:** For flat specimens – thickness 3 mm to 12 mm
 - **Pair 3:** For special specimens – as per requirement or available space in jaw
- Fabrication to be done based on actual measurement of existing UTM teeth configuration.

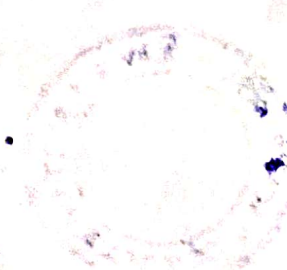


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5. Design & Surface Finish

- Gripping surface to be **serrated or knurled**, matching the UTM machine jaw pattern.
- All sharp edges to be chamfered.
- Surface to be **anti-rust coated** (phosphate or zinc plating).

6. Fitting & Installation

- Fabricated grips must be designed for **easy manual insertion and removal**.
- Tolerance to be maintained for **perfect fit without play or tightness**.
- Supplier shall ensure the **final fitting and demonstration** on-site, including any minor finishing/modifications needed.

7. Warranty and Support

- **Minimum 6 months warranty** against material defects and dimensional inaccuracy.
- Supplier should agree to **replace or rectify** any non-conforming grip at no extra cost.
- **On-site support** for fitting and minor adjustments.

8. Documentation

Supplier should provide:

- Material test certificate (MTC) for EN8 steel
- Dimensional drawings of fabricated grips
- Installation and handling instructions

9. Delivery Timeline

- Delivery and installation to be completed within **15 days** from the date of Purchase Order.

10. Terms

- Quotation to include **price per set, GST, freight charges (if any), and delivery schedule**.
- Rates must be **F.O.R. Structural Engineering Lab, SGSITS, and Indore**.

Note: Vendors are advised to visit the laboratory to **measure the actual jaw configuration** and ensure precision fitting of fabricated grips before submission of quotation.

