



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ, ਕਪੂਰਥਲਾ

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA

ਰਜਿਸਟਰਾਰ ਦਫ਼ਤਰ  
OFFICE OF REGISTRAR

Ref. No. IKGPTU/REG/ DR/S&P/08

Dated 02/01/2026

To

**All the Concerned/ Interested Vendors**

**Subject: - Quotation for Fabrication of Shake Table Instrument in the Department of Civil Engineering, IKGPTU Main Campus.**

The IKGPTU University intends the Fabrication of Shake Table Instrument in the Department of Civil Engineering, Main Campus by inviting sealed quotations. Therefore, you are requested to send the sealed quotation of the items by quoting lowest rates (inclusive of GST). The quotations must reach in the office of Registrar, IKGPTU by 19.01.2026 up to 11:00AM. Quotations will be opened by committee at 12:00 PM on the next date of last date of quotations received in the office of the Head of the Department, Civil Engineering, IKGPTU, Kapurthala. The officer or their representative may be present at the time of opening of the quotations. If Government declares holiday then the quotation will be opened on the next working day. The Supply order will be placed to the firm offering lowest rates

**Specifications of the items as per attachment Annexure-A.**

**Terms & Conditions:**

1. The Items to be delivered at Department of Civil Engineering, IKGPTU, Main Campus within 15 to 20 days of issuance of the supply order.
2. No Advance payment will be made.
3. Payment will be processed after installation & inspection of the delivered goods/items and on receipt of the Satisfactory report.
4. University will not be paying anything extra as the rates invited are inclusive of GST.
5. Please subscribe in the envelop 'Quotation for Fabrication of Shake Table Instrument' for Department of Civil Engineering (IKGPTU) and to be opened by committee only.

*21/1/26*  
Deputy Registrar

Store & Purchase

CC:

1. Registrar for kind information
2. Chairman of the committee

*"Propelling Punjab to a Prosperous Knowledge Society"*

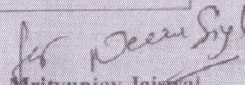
**I. K. Gujral Punjab Technical University**

Jalandhar Kapurthala Highway, Kapurthala-144 603 Ph.: 01822-662521, 662525

Fax : 01822-662526, 662506 Website : [www.ptu.ac.in](http://www.ptu.ac.in) Email : [registrar@ptu.ac.in](mailto:registrar@ptu.ac.in)

**Specification of Shake Table Test Equipment for Soil Liquefaction Study (as per Indian Standards)**

Specification Item	Details
Table Type	Unilateral (Horizontal in XY Plane) Shake Table
Table Top Dimension	120 cm (Length) × 75 cm (Width) × 75 cm (Height)
Maximum Payload	1200 kg
Maximum Acceleration	Controlled by 2 HP AC Motor with Controller
Frequency Range	Adjustable via motor speed and eccentricity
Stroke / Displacement	Sub-millimetre precision
Control Modes	Motor Controller with adjustable eccentricity
Motion Accuracy	High precision under motor control
Soil Container (Model Box)	Compatible with pore pressure sensors and accelerometers
Instrumentation - Accelerometers	X, Y, and Z Axis accelerometers
Instrumentation - Pore Pressure Transducers	1 mm water column sensitivity, with digital data logger
Instrumentation - Displacement (LVDTs)	Sub-millimetre precision
Data Acquisition System	Digital data logger with Desktop/Laptop USB interface
Software	Compatible data logging and analysis software
Calibration	Sensors calibrated as per standard practice
Power Supply	2 HP AC motor, single/three phase as required
Safety Features	Emergency stop, overload protection, mechanical limits

  
**Dr. Nirityunjay Jaiswal**  
 In-charge Research Cell