



**CORRIGENDUM**

REFERENCE NO. : - P/NC/53/AP(NARODA)/SO/OTE/23-24

DATE: 09/01/2025

NAME OF EQUIPMENT: "SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF FULLY AUTOMATIC COMPRESSION TESTING MACHINE CAPACITY-5000 KN, WINDOWS BASED" [CPPP PORTAL TENDER ID: 2024\_CSIR\_220463\_1].

NOTE: The Bids must be submitted in the Central Public Procurement Portal (URL:<https://etenders.gov.in/eprocure/app>) only. Manual/Offline bids shall not be accepted under any circumstances. Bidders should quote in INR only.

CONSEQUENT TO THE PRE BID MEETING HELD ON 26/12/2024, THE REVISED TECHNICAL SPECIFICATION OF FULLY AUTOMATIC COMPRESSION TESTING MACHINE CAPACITY-5000 KN, WINDOWS BASED IS GIVEN BELOW:-

Fully automatic Compression Testing Machine, Capacity-5000 kN, Windows Based  
Fully Automatic Compression Testing Machine with digital indicator and Software controlled operation, PID controlled pace rate.

Ref. Standards IS 516 and IS : 14858 (2000)

5000 kN --Fully Automatic Compression Testing Machine Windows Based		
Sr. no.		
1	Range (kN)	5000 Maximum
2	Resolution(kN)	0.2
3	Calibration with 5000kN load cell	Up to full range
4	Maximum Clearance between Platens (mm)	620
5	Maximum Distance between Side Plates (mm)	600
6	Platen Size (mm)	320 (Square Platen)
7	Piston Diameter (mm)	341
8	Piston Stroke (mm)	50
9	Specimen Size	1) 150 mm to 500 mm Cube 2) 150 mm x 300 mm Cylinder to 500 mm x 600 mm Cylinder
10	Pace Rate Speed	Pace Rate is Variable from 1kN to 10kN, user can set as required
11	Pace Rate Resolution	0.1kN
12	Pace Rate Range	1kN – 10kN

**Description (Scope of Supply):**

Fully Automatic Compression Testing Machine consists of a loading unit, a Motorised Pumping unit, and Enhanced digital indicator, Software, PC

**Enhanced Digital Indicator (EDI)**

- Data storage approx. 2000 records
- Password protection for system & calibration setup
- 2% overload facility to calibrate the machine up to full capacity
- Auto close / release of Dump Valve.
- Should have capability to be integrated with LIMS (Laboratory information management system) in future upgrades.
- Flexible calibration points, Calibration can be done on 5 to 10 points.
- Peak load, Peak Stress, Unique Record No. is displayed

**The software also provides below Functions to the Operator**

- Compression Test
- Flexure Test
- Compression with Axial Test
- Graph available with us: Load Vs Time, Load Vs stress, Stress Vs Time.

- Drop down selection of specimen type Cube, Cylinder, Brick, Area.
- Compression with strain gauges indicator attachment
- Show all graph along with related data.
- Scale setting facility for graph of Load, Stress, Time, Axial expression, Axial strain, Strain.
- It provides the data acquisition in real time throughout the test execution up to the specimen failure.
- Database backup and restore facilities are available.
- The default report is generated automatically, in crystal reports and can be printed directly. The report can be exported to Excel and PDF format.

#### Data Storage:

- Captured data will be stored in database securely
- User can get/generate report any time
- Auto backup database
- The advanced functions for data base management provide an easy navigation of all saved data.
- Import data from backup data file (according to requirement).
- Generate PDF report from stored data.

#### Minimum Recommended Computer Hardware

- Monitor that support at least 1024 x 768 resolution.
- 4 GB RAM, although using multiple testing machines may require addition memory or/and a faster processor
- 2 GHz Pentium Dual Core or equivalent
- Min. 2 USB Serial Port
- 500 GB HD Drive
- 32- or 64-bit operating system type.
- Mouse or pointing device and keyboard supported by windows
- Window compatible printer recommended for reporting capabilities with copier and scanner.

All other Tender terms and conditions remain unchanged.

  
9/1/2025

(Bodhisattwa Dhar)  
Stores & Purchase Officer

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