



CORRIGENDUM

REFERENCE NO. : - P/NC/70/VM/SO/GTE/23-24

DATE: 09/01/2025

NAME OF EQUIPMENT: "SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF VISCOMETER"
[CPPP PORTAL TENDER ID: 2024_CSIR_221073_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.

WITH REFERENCE TO THE TENDER NO. P/NC/70/VM/SO/GTE/23-24 (CPPP PORTAL TENDER ID: 2024_CSIR_221073_1) FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF VISCOMETER, THE TECHNICAL SPECIFICATION HAS BEEN REVISED. THE REVISED TECHNICAL SPECIFICATION IS GIVEN BELOW:-

Instrument Name: VISCOMETER

1. **Description:** Instrument should be capable of automatically measuring the kinematic viscosity of engine oils, lubricants as per ASTM D445 standard or its equivalent.
2. **Desirable viscosity range (Kinematic viscosity):** 0.3 mm²/s to 3000 mm²/s or better.
3. **Display:** The device should have a touch screen TFT display for showing Kinematic Viscosity, Temperature, and other relevant parameters as per ASTM D445.
4. **Temperature Range:** Measurement at 40 °C is mandatory, with provisions for single and multiple-point viscosity measurements for future upgradations.
5. **Minimum sample requirement for measurement:** less than or equal to 10 mL.
6. **Viscosity accuracy:** ± 0.1% of full-scale range or better
7. **Viscosity repeatability:** ± 0.4% of full-scale range or better
8. **Interface:** Interface such as USB ports to connect with external storage media.
9. **Software:** In-built software to operate the instrument needs to be provided. If there is a provision to control and connect the device with the software compatible with the viscometer, the software should be quoted as optional.
10. **Power Supply:** 230 V, 50 Hz (Single phase).
11. **Calibration:** Certified viscosity standard fluids should be supplied and quoted along with the instrument.
12. **Safety:** Appropriate safety features such as display screen protectors need to be provided.
13. **Extra Accessories:** One set of accessories such as Allen key and spanners required for the instrument.
14. **Essential items to be quoted:** Main viscometer, adaptor for sample loading, cleaning & dryer setup for sample holder, and calibration standard fluids.
15. **Warranty:** Three years comprehensive warranty from the date of installation and commissioning.
16. **Calibration Certificate:** The firm must provide the calibration certificate of the Viscometer valid for one year.
17. **Training and demonstration of the equipment/software:** 04 days for 04 persons at CSIR-CGCRl, Kolkata.
18. **Manual:** A detailed instruction manual (in English) should be supplied along with the instrument.

All other Tender terms and conditions remain unchanged.

(Bodhisattwa Dhar)

Stores & Purchase Officer
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