

## Annexure

### Technical Specification of Automated Colorimeter ASTM D-1500 cum ASTM D-156 (ASTM D-6045).

Test Method	Must be fully compliance with ASTM D-1500 (ASTM Color of Petroleum Products) and ASTM D-156 (Saybolt Color of Petroleum Products) and ASTM D-6045.
True Turn Key Solution	A true turn-key solution is required. The system should be fully configured, pre-tuned to application, calibrated with qualified reference materials and tested before delivery.
Chromaticity	± 0.0006
Path Length:	33 ~ 100 mm
Wavelength Range	380 - 780 nm
Illuminants	(CIE XYZ) using CIE Standard Illuminant C and the CIE 1931 Standard Observer
Accessories & Requirements	All required accessories to fulfil specification of ASTM D-156 and ASTM D-1500 must be supplied with equipment.
Consumables	A kit of basic consumables must be included in the offer. Further all optional Accessories should be separately included in the offer for two years of trouble free operation (including peripherals and electrical connections).
Spares Items (Additional)	Certified Calibration Pack - Full
	Lamp , (Required Qty = 05 No.)
Warranty	Three years of replaceable warranty
Calibration & Reference Standards	Certified Reference Material specially designed and produced for on-site qualification of equipment according to ASTM D-1500 and D-156 must be supplied with the equipment.
Power Supply	220 VAC, 50/60 Hz
Installation & Commissioning	Must be Installed & commissioned by Factory trained Service Engineer.
Training	A comprehensive On-site training of our staff should be arranged by Factory trained service engineer.
Required Documents	Operation Manual
	Service Manual (Including all electrical, electronics & mechanical schematics)
	Factory Calibration Certificate
	Factory test certificate
	IQ/OD Documentation
	Certificate of Origin

 25/8/2022  
 25/8/2022