

TENDER- 1/2017-18

PACKAGE-10 B

NAME OF BRANCH :- TEXTILE TECHNOLOGY /TEXTILE CHEMISTRY

NAME OF LAB : TEXTILE TESTING LAB

S.No	Equipment Description	QUANTITY/UNIT REQUIRED	BID RATES OF EQUIPMENT PER UNIT(Rs.)	APPLICABLE RELEVANT TAXES PER UNIT(Rs.)	TOTAL COST OF EQUIPMENT PER UNIT(Rs.)
1	Single Thread Strength Tester (Lab Model) Capacity Of The Tester 30 Kg, Acc. 5 g Speed Of Traverse 300 mm/min. Motor ¼ H.P. 230 volts AC. Gripping Distance Minimum – 8” and Maximum –20” Elongation upto 100% Protection from Over traverse, complete with all accessories	2			
2	Digital Fibrograph : Measuring Principle-optical , Measuring Range-12.0 to 45.0 mm, Measuring Accuracy- \pm 0.01 mm ,Result output -2.5 % SL , 50% ,SL & UR % ,Front End Language Base English , Applicable Standard - ASTM D5332, ISO 2648 & IS 233 Power Supply - Single Phase 220 V A C	2			
3	Uster Evenness Tester (Lab Model) Overall Installation Functions: • Capacitive measurement of mass variations and imperfections in yarn, roving and sliver of staple fibers. • Measurement of foreign matters. • Collection, evaluation and storage of measurement values. • Automatic check of all measured values, diagrams and spectrograms. • Yarn classification based on the USTER® STATISTICS. • Editor for customizing report layouts. • Filter functions for quick data retrieval and for the preparation of long-term reports. • Simulation of yarn boards, woven and knitted fabrics. • QualiProfile, graphic presentation of the overall yarn quality. Versions: • USTER® TESTER 5-S800/A (automatic version). • USTER® TESTER 5-S800/SA (semi-automatic version). Included in the delivery: • Test Unit • Operating Unit (Control Unit, screen, keyboard and mouse, backup unit) • System Printer • Single-package Carrier (only for the semi-automatic version) • Application Software • Table Set Test Unit (1) Subsystems of the USTER® TESTER 5-S800 basic version: Sensor CS: • Capacitive measurement of mass variations and imperfections in yarn, roving and sliver of staple fibers. • Measurement range: approx. 1 tex to 12 ktex (limitations according to the type of fiber are possible). Sensor FM: • Determination of the number of foreign matter of staple fiber yarns in the count range of 100 tex to 4 tex in absolute or relative values (1 km, 10 km, 100 km).	4			
4	Conditioning Oven/Chamber Conditioning Oven 220 V With capability of maintaining temperature up to 100oC and facility for smooth variation of temperature inside 27 liter capacity ,complete with all accessories	4			




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5	<p>CLASSIMATE (YARN FAULT FINDING EQUIPMENT) Control Unit with installed software Printer : Flat screen, Keyboard and PC-mouse Lab Control Unit with Microsoft Windows Operating system and specific hardware and software: Backup Unit – 2nd Hard disk of identical capacity , Network card integrated, Climate Sensor including cable , Dongle ,Module complete Network cable • Cable power/comm. • Quad group , Cable, Valve cable Maintenance Unit : Air gun, Pneumatic kit (Air Inlet, Air Hose) , Fastening material Accessories set: Operating documentation, incl. yarn cards and Calculator , Maintenance tools , Spares: Sensor principle: Capacitive and Optical measurement No. of positions: 6 Unit system: Nec, New, Nm, Tex, Denier Measuring head type: Capacitive and Optical measurement Classification of yarn faults and outliers of staple-spun yarns (natural, synthetic fibers and blends) Yarn speed winding: 200 to 1200 m/min. Recommended sample length per test: 200 km. Compressed air • Air quality: According to ISO 8573.1, class 3. Connection • Min. pressure at inlet of air filter regulator: 5 bar • Max. Pressure at inlet of air filter regulator: 7 bar • Air consumption per position per hour: 210 liters. Winder Manual precision winders for accuracy and stability</p>	2			
6	<p>HVI FOR VARIOUS PARAMETER OF FIBRE Length/Strength Module Color Trash Module Micronaire Module Printer & printer table Balance Bar Code Reader Length/strength cabinet Micronaire, color and trash cabinet Operating unit UV Module NEP Module Standard calibration materials Compressed air: The air supplied to the instrument should comply with ISO 8573</p>	2			




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