NIRMA UNIVERSITY

Institutive of Technology Civil Engineering Department

Annexure- II/1

Specifications of Equipment for Tender Bid cum Quotation

Assembly Related Standards to be accorded Features/Capabilities /Specifications Metrological confirmation of the bursting tester shall be carried out in accordance with ISO 10012. The testing apparatus shall be capable of producing various constant rates of increase in volume per unit time between 100 cm³/min and 500 cm³/min to within ±10 % of the indicated value. Hydraulic pressure sapacity of 50 kg/cm² Bursting pressure shall be indicated with an accuracy of ± 2 % of full-scale range above the first 20 % of range. Height at burst up to 70 mm shall be indicated with an accuracy of ± 1 mm. Zero position of the measuring gauge shall be adjustable to accommodate the thickness of the test specimen. Means for indicating the volume at burst (if available) to within ± 2 % of the indicated value. A test area of 100 cm² (112.84 mm diameter) shall be used. The clamping device shall provide for clamping of the test specimen securely without distortion or damage and prevent slippage during the test. The clamping ring shall allow undisturbed vaulting of highly expansive fabrics (e.g. fabric test specimen shose height at burst is greater than half of the test specimen diameter). All test specimen clamping ring inner diameters shall be accurate to ±0.2 mm. To avoid the test specimen damage, a small curvature at the inner edge of the clamping ring facing the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the test specimen takes place. It shall allow clear observation of the expansion of the t	Name of Equipment/	Automotic Durating Changth Toston
Peatures/Capabilities	•	Automatic Bursting Strength Tester
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Supply Requirements • Mention the requirement and arrangement of water supply if any		
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Compatibility of	• In case of accessories from make differing to the make of equipment,
parts	compatibility shall be checked and certified by the bidder.
Calibration	The calibration certificates shall be provided with equipment and
Certificates,	accessories.
Technical Manual	Validity of calibration certificate for all devices shall not be less than
and SOP	one year.
	Technical manual and Standard Operating Procedure documents shall
	be provided.