

## PACKAGE-12 G

TENDER- 1/2017-18  
 NAME OF BRANCH :- LEATHER AND FOOTWEAR TECHNOLOGY  
 NAME OF LAB: Testing and Quality Control 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	<p><b>Tensile Tester</b>            Capacity of tester From 5 kg to 5000kg            Speed of traverse 25mm-50mm/min            Minimum grip separation 25mm            Maximum grip separation 900mm or 500mm            elongation measurement Lower grip movement on digital display(i.c of 0.1 mm)            Electric control push button controls for up &amp; down movement &amp; stopping with help of contactors,micro-switches for over-travel protection overload protection,automatic stopping of motor on failure of test specimen            Load measurement With the help of a load cell and a digital display having arrangement to display the maximum load exerted during the test</p>	1			
2	<p><b>Lasto Meter</b>            Diameter of hemispherical indenting tip :6.25mm            Opening of holding grip: 25mm diameter            Diameter of test specimen: 44mm            Range of distention measurement: 0.20mm x 0.01mm            Range of load measurement: 0 to 100kg x 500gm for bench model</p>	1			
3	<p><b>Rub Fastness Tester B</b>            Load: 24.5 ± 0.5N, 7.1 ± 0.2N            Speed: 150 ± 5 rev/min            Wool felt pad: outside dia. 25 ± 1mm, bore dia. 3 ± 0.5mm            Metal plate: 75 x 65 x 5            Dimension (WxDxH): 26 x 38 x 49cm            Weight: 34kg            Power: AC 220V 3A</p>	1			

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4	<b>Dynamic Waterproofness Tester (penetrometer)</b> Dimension of test specimen: 60 x 75 mm No of test specimen tested at a time: three/four Dimension of cylindrical grip: 30mm Flexing frequency: 50 cycle/min Travel of moving grip: 2.0,3.0,4.0 or 6.0mm Motor: 0.25Hp, Single phase, 230V AC	1	
5	<b>Abrasion Resistance Tester</b> Dimension of abrasion drum: 150mm diameter x 170mm long Width of abrasive cloth: 150mm Speed of rotation of abrasion drum: 36 ± 4 rpm Girth of abrasive cloth: 40/36 Number of test specimen tested at a time: three Dimension of test specimen: 90mm x 10mm Load on test specimen: 200 to 1000gm x 100gm Motor: 0.25Hp, Single phase, 230V AC Counter: three digit electronic counter with memory backup	1	
6	<b>Scuff Resistance Tester</b> Specimen, 60x60mm or Ø60mm Test Speed, 149±4.8 cpm Load, 7.1±0.2N 24.5±0.5N Wool Felt Pad, outside dia.25±1mm, bore dia.3±0.5mm, Density 190±20kg/m <sup>3</sup> Dimension (WxDxH) , 27x38x52cm Weight(approx.), 40kg Power, 1φ, AC 220V, 50Hz, 1 A (Specified by user) Test method, SATRA TM-14/SATRA TM-8	1	
7	<b>Water Vapour Permeability Tester</b> Speed of rotation of wheel: 75 rpm Distance between axis of rotation and axis of bottles: 67mm Maximum no of bottles mounted at a time: 6 Inner diameter of bottles: 30mm Speed of rotation of fan: 1425rpm Size of blade of fan: 75 x 90mm Motor: 0.25Hp, single phase, 230V AC	1	




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FULL SIGNATURE OF BIDDER WITH SEAL