

No. TC/LAB/Tendering/Cochin&JNPT/2016-(13-1)

Dated : 9th February '16

**TO TENDER Notice for the supply of equipment/ instruments for the Textiles
Committee laboratory at COCHIN & JNPT, NAVI MUMBAI**

S.No	Reference	As per the tender document	corrected and read as
1.	Page no:26 Sr.No 8 –VIII under Technical Specification and Requirement column	VIII The system should come with Polystyrene film standard and NG Schott glass for validation.	VIII The system should come with Polystyrene film standard.
2.	Page no:33 Sr.No 7 under Technical Specification and Requirement column	i)Diode Array detector with wave length range of 190 – 800 nm and with wave length accuracy of 1.0 nm and band width of 8 nm Should have 3 D Software.	i)Diode Array detector with wave length range of 190 – 800 nm or more and with wave length accuracy of ± 1.0 nm and programmable band width from 1-8 nm, Should have 3 D Software.
3.	Page no:34 Sr.No 1 under Technical Specification and Requirement column	Semi-automatic sample applicator should be provided with Data input and monitoring through software. Provision should be for the application of spots, bands. 4 mode Applicator. Preferably with 1) Quantitative analysis, 2) Micro-preparative isolation, 3) In-situ addition of internal std. or reagents 4) Superimpose. 10-method memory storage, stand-alone or System Manager control. Sample positioning on X & Y axis freely selectable, variable automatic rate of delivery, 100 µl syringe for analytical work & 500 µl syringes for micro-preparative work. Self diagnostic + software link to System Manager built-in. Built in validation method, GLP compliance	Semi-automatic sample applicator should be provided with Data input and monitoring through software. Provision should be for the application of spots, bands. 4 mode Applicator. Preferably with 1) Quantitative analysis, 2) Micro-preparative isolation, 3) In-situ addition of internal std. or reagents 4) Superimpose. 10-method memory storage, stand-alone or System Manager control. Sample positioning on X & Y axis freely selectable, variable automatic rate of delivery, 100 µl syringe for analytical work and micro-preparative work. Self diagnostic + software link to System Manager built-in. Built in validation method, GLP

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4.	Page no:38 Sr.No 6 under Technical Specification and Requirement column	<p>1.Pneumatic clamps: (up to a capacity of 10000N). with anti-slip lining Upper Jaw: with a set of 75X min 25 mm jaw faces. Lower Jaw: with a set of 75 x min 25 mm jaw faces.</p> <p>2.Pneumatic clamps: (up to a capacity of 10000N). with anti-slip lining Upper Jaw: with a set of 75X min 25 mm jaw faces. Lower Jaw: with a set of 75 x min 25 mm jaw faces.</p> <p>3. Grab insert: up to a capacity of 10000N). with anti-slip lining 1 set of 25X 25 mm jaw faces.</p> <p>4. Fibre grip: 1 set (up to a capacity of 5N). with anti-slip lining</p> <p>5. Bollard grip- 1 set capable of testing single thread strength of cotton yarn, high tenacity yarn, with pneumatic gripping. (up to a capacity of 10000N). with anti-slip lining</p> <p>6. Lea grip: – 1 set - required only if the provision for the same is not available with bollard grips. Pre-load weights for fabric strength test for applying the tension, if applicable.</p>		compliance 1. Pneumatic clamps: (up to a capacity of 10000N). with anti-slip lining Upper Jaw: with a set of 75X min 25 mm jaw faces. Lower Jaw: with a set of 75 x min 25 mm jaw faces. <p>2. Pneumatic clamps: (up to a capacity of 10000N). with anti-slip lining Upper Jaw: with a set of 150 X min 50 mm jaw faces. Lower Jaw: with a set of 150 x min 25 mm jaw faces.</p> <p>3. Grab insert: up to a capacity of 10000N). with anti-slip lining 1 set of 25X 25 mm jaw faces.</p> <p>4. Fibre grip: 1 set (up to a capacity of 5N). with anti-slip lining</p> <p>5. Bollard grip: 1 set capable of testing single thread strength of cotton yarn, high tenacity yarn, with pneumatic gripping. (up to a capacity of 10000N). with anti-slip lining</p> <p>6. Lea grip: – 1 set - required only if the provision for the same is not available with bollard grips. Pre-load weights for fabric strength test for applying the tension, if applicable.</p>
5.	Page no:44-45 Sr.No 8: TURBO EVAPORATOR under Technical Specification and Requirement column	1.	General Turbo Evaporator simultaneous evaporation of up to (50) 15mL centrifuge tubes, offering many interchangeable tube racks which gives the flexibility for automated low volume sample preparation ranging in volumes size from 1.5 ml to 30 ml	Turbo nitrogen gas vortex shearing evaporation based solvent Evaporator with accessories. It is for simultaneous evaporation of up to 50 tubes of 50 ml centrifuge tubes, offering many interchangeable tube racks which gives the flexibility for automated low volume sample preparation ranging in volumes size from

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		<table border="1"> <tr> <td>2.</td> <td>Size</td> <td>450mm Wide x 350mm Deep x 175mm High (Overall height with Work Chamber 750mm) Work Chamber Borosilicate Glass over all sizes 165mm Dia x 125mm High Safety Shield Polycarbonate Aluminum Base 110mm Dia x 115mm High.</td> </tr> <tr> <td>3.</td> <td>Rotation</td> <td>Rotating Stage 60mm Dia. Adjustable Tilt 0-90°</td> </tr> <tr> <td>4.</td> <td>Operating Vacuum</td> <td>1×10^{-2} to 1×10^{-5}</td> </tr> <tr> <td>5.</td> <td>Vacuum Gauge ATM</td> <td>1×10^{-2}</td> </tr> <tr> <td>6.</td> <td>Turbo molecular pump</td> <td>50L/Second</td> </tr> </table>	2.	Size	450mm Wide x 350mm Deep x 175mm High (Overall height with Work Chamber 750mm) Work Chamber Borosilicate Glass over all sizes 165mm Dia x 125mm High Safety Shield Polycarbonate Aluminum Base 110mm Dia x 115mm High.	3.	Rotation	Rotating Stage 60mm Dia. Adjustable Tilt 0-90°	4.	Operating Vacuum	1×10^{-2} to 1×10^{-5}	5.	Vacuum Gauge ATM	1×10^{-2}	6.	Turbo molecular pump	50L/Second	<p>1.5 ml to 30 ml.</p> <p>The equipment with water bath of suitable capacity (about 6.4 litres) and temperature range from ambient-90°C, with temperature and timer control. Should have separate gas control for the 5 independent manifolds preferably Teflon, each manifold consisting of 10 tube positions and the gas supply should be controllable between 60-90 psi.</p>
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6.	Turbo molecular pump	50L/Second																
6.	Page no : 47 Enclosure 1-D: Format for Cost Details: Note below the Part I : Cost details of imported equipment / Instruments table	Note : Textiles Committee will provide only custom duty exemption certificate whereby the duty payable will be around 9.27%	Note : Textiles Committee will provide the custom duty exemption certificate for the imported equipment and reimburse the applicable Duty paid by the supplier. <u>Enclosure- 1-D:</u>															
7.	Page no:53 Enclosure-4: Format for covering letter to be sent along with Technical bid	Ref: Tender Enquiry No. 600/CAT/Supply of Equipment / Accessories/2015 dated	Ref: Tender Enquiry No. TC/LAB/Tendering/Cochin & JNPT/2016-(13-1) dated 27/01/2016 <u>Enclosure-4:</u>															
8.	Page no:55 Enclosure-5: Format for covering letter to be sent along with financial bid	Ref: Tender Enquiry No. 600/CAT/Supply of Equipment / Accessories/2015 dated	Ref: Tender Enquiry No. TC/LAB/Tendering/Cochin & JNPT/2016-(13-1) dated 27/01/2016 <u>Enclosure-5:</u>															

Director(Laboratories)