



ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE (EPTRI)

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Tender for PTCL Laboratory Misc Items - 01

Tenders are invited from the Manufacturers and Tender specific Authorized Dealers for supply of the following Laboratory Misc Items to EPTRI PTCL Laboratory, Gachibowli, Hyderabad. The following are the details.

S.No	Particulars of the Items	Quantity(No.)	EMD finalized
1.	Culture Bottles and Caps	40000	8000
2.	Bottle holding Trays	800	5000
3.	Air shower	1	7000
4.	Micro pipettes	5	3000
5.	Orbital Shaker	1	2000
6.	Clean room pass box	1	2,000

Technical Specification Sl.No.1 Culture Bottles and Caps- 40,000 No's

S.no	Component	Details	Qty	EMD
1	Bottles	plain glass straight sided bottles autoclavable material 40000 NOS NEEDED Capacity – 370 ML	40000 No's	Rs. 8000
2	Caps	63 mm transparent plastic caps autoclavable material		

Technical Specifications Sl.No.2 – Bottle Holding Trays - 800 NOS

S.no	Component	Details	Qty	EMD
1.	Capacity	30 bottles	800 No's	Rs.5000
2.	Coated with	Iron body with Epoxy/IDPA coat		
3.	Dimensions-	L:435 mm, W:365 mmH;75 mm 4.00 mm wire Frame rods		
4.	Thickness-Approximately	70mm to 1.00mm		
5.	Trey Wt-Approximately	920 grs to 945 grs		
6.	Quantity needed	800 nos		

Technical Specifications: Sl. No.3 Air Shower -1 No

S.no	Component	Details	Qty	EMD in Rs.
1	Electrical:	Motor -5 HP, 3600 RPM, open drip, sealed ball bearing	1 No	7000
2	Blower	Non-overloading aluminium airfoil; direct drive; overhead-mounted		
3	Power Supply	3 phase, 4 wire FLA		
4	Construction	Shell-Cold-rolled steel with a white baked-enamel finish exterior and interior; inside wall panels		
5	Doors	Puff panel door with viewing glass		
6	Door Swing	Both doors hinge on the same side		
7	Nozzles	More than 12 nozzles		
8	Nozzle Velocity	7500 to 8000 LFPM average		
9	Filters- Approximately	HEPA: 24 in. x 24 in. x 6 in 99.97% filtration of 0.3 micron particles Pre-filter		
10	Cleaning Cycle	0 to 30 sec Microprocessor controller with wall-mounted start switch Door start switch with the magnetic interlocks		
11	External Dimensions (L*D*H)- Approximately	1200 mm*1200mm*2500mm		
12	UV light	To be provided		

Technical Specifications Sl.No. 4. – Micro pipettes – 5

S.no	Component	Details	Qty	EMD
1	General Specifications	Fully autoclavable. Easy maintenance calibration routines. Fine adjustment provision. Withstands exposure to harsh chemical applications Resistant to UV light	5 No's	Rs. 3000
2		Single channel Variable Volume Micropipettes feature built-in tip ejectors and autoclavable tip cones. Should work on a click-stop digital system, are easy to calibrate and maintain, and easy to disassemble for autoclaving. Manufactured as per ISO 9001:2008, Each pipette should be individually calibrated according to ISO 8655 standards Calibration certificate must be provided with each pipette.		

		Accuracy and precision values should be those laid down in the ISO 8655 standards. Built-in, streamlined tip ejector facilitates easy tip ejection and access to narrow necked bottles and tubes. It should be CE mark		
3	50ul Variable Vol.	Variable Volume Pipette: 5-50 μ l increments [μ l]: 0.5 Volume [μ l]: 5.0 to 50.0		
5	200ul Variable Vol.	Variable Volume Pipette: 50-200 μ l Increments [μ l]: 1 Volume [μ l]: 50 to 200		
6	1000ul Variable Vol.	Variable Volume Pipette: 100-1000 μ l Increments [μ l]: 5 Volume [μ l]: 100 to 1000		
7	5000ul Variable Vol.	Variable Volume Pipette: 1000-5000 μ l Volume [μ l]: 0.5 to 5 ml Increments [μ l]: 0.01 ml		
8	10 ml Variable Vol.	Variable Volume Pipette: 1000-10000 μ l Volume [μ l]: 1 to 10 mL increments 0.02mL		

Sl.No. 5. Technical Specifications Orbital Shaker – 1 No

S.no	Component	Details	Qty	EMD
1.	Speed range	20 to 300rpm	1	Rs. 2000/-
2.	Platform size-approximately	420mmx420mm		
3.	Flask Capacity	Variable		
4.	Speed indicator	digital		
5.	Slots/clamps	Conical flasks- 50, 100, 250, 500 ml and 2000 ml		
6.	Timer	Digital		
7.	Speed accuracy	+ 2-3 % of set value		
8.	Cabinet	Coated steel		

Sl. No.6 Technical Specifications Clean Room Pass Box – 1 No

S.no	Component	Details	Qty	EMD
1	Type	Static pass box	1 No	Rs. 2000
2	MOC	SS -304		
3	Thickness-Approximately	1 to1.2mm		
4	Dimension (outer)- approximately	720x680x760 mm		
5	Dimension (inner)-approximately	600x600x600 mm		
6	Features	Interlocking, UV light, normal light		

The quantities mentioned are based on our projects contracted. It may increase or decrease.

BIDDER'S RESPONSE: (Bidder shall indicate "Complied" or "Non Complied" as applicable in each row. Technical Literature / published document should be submitted to prove compliance

'Instructions to tenderers'.

1. Prices to be quoted along with all taxes and transportation of material upto EPTRI
2. Delivery within 10 days from the date of issue of Purchase Order
3. Payment will be after receipt of the full quantity received.

Suppliers are requested to send their quotations in sealed covers by mentioning the subject on the top. The last date for submission of sealed tenders is **10.08.2022 up to 05.00 PM.**

Director General

EPTRI