



ENVIRONMENT PROTECTION TRAINING AND RESEARCH INSTITUTE (EPTRI)

(An autonomous Institute of Government of Telangana)

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Date: 27-07-2022

Tender for PTCL Laboratory Misc Items – 02

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 requirement.

SI No	Particulars of the Items	Qty	EMD
1.	Refrigerator- 432 Ltrs	1	2000
2	Serological water bath	1	1000
3	Glass bead stirrer	2	1000
4	Hot plate with stirrer	1	1200

Technical Specifications SI.No.1 : Refrigerador – 432 Ltrs -1 No

S.no	Component	Details	Qty	EMD
1	Capacity (Litre)	400-440	1	Rs. 2000
2	Door	Double Door		
3	Height (mm)-Approximately	1680-1700		
4	Width (mm) -Approximately	700-715		
5	Depth (mm) -Approximately	700-745		
6	Star Rating	5		
7	Refrigerant	Eco friendly Refrigerant		
8	Color	Metallic Grey/ Shiny steel		
9	Humidity controller			
10	Anti bacterial gasket			
11	Shelf type	Toughened glass		
12	Deforesting facility			

Technical Specifications SI.No. 2: Serological water bath -1 No

S.no	Component	Details	Qty	EMD
1	Walled Construction	Double	1 No	1000
2	Outer Chamber	Mild Steel Duly epoxy Powder		

		Coated		
3	Inner bath chamber & Lid	304 SS		
4	The Wall Is Fitted	Mineral Wool		
5	Drain Plug			
6	Control Temperature Accuracy	±0.5°C		
7	Inner Size (LxWxD)-approximately	650*300*150 mm		
8	Liters	30- 40L		
9	No. of Racks	5 to 8		
10	Temperature Controller	PID		
11	Temperature Range	Ambient +5°C to 99°C ±0.5°C		
12	Temperature Display	Digital temperature controller with PT 100 sensor		
13	Power consumption	W 500 -650		
14	Heating Load	3.5 to 4.5 KW		
15	Inside chamber	grade ss-304		
16	Design	Ergonomic		

SI No. 3 Technical Specifications : Glass bead stirrer – 2 No's

S.no	Component	Details	Qty	EMD
1	Cabinet Size L × W × H-Approximately	150 × 155 × 225 mm	2	2000
2	Crucible (SS) size- Approximately	50 mm dia. × 135 mm Depth		
3	Preset Temperature Range	245°C - 265°C		
4	Initial Stabilization Time	30 Minutes		
5	Weight (Inclusive of Glass Beads)	4 to 4.5 kgs		
6	Wattage	250 W Single Phase		
7	Input	220V/ 50 Hz or 110 V/ 50 Hz		
8	Glass beads	To be provided		

SI.No. 4 Technical Specifications : Hot plate with Magnetic stirrer 1 No

S.no	Component	Details	Qty	EMD
1	Maximum stirring speed	150 to 1500 rpm	1	1200
2	Temperature Range	up to 100°C		
3	Hotplate Size-Approximately	185mm dia.		
4	External Temperature Sensor	Yes		
5	Heating Power [W]	1000		
6	Dimensions- Approximately	360*215*110		
7	Top Plate Material	Stainless steel		
8	Max. Stirring capacity	10lits		
9	Speed and Temperature display	LCD		

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