

VPDUSS-SOP-8.5.1.2-01.F02

VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD

PATNA DAIRY PROJECT

PHULWARISHARIF, PATNA 801 505

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PDP: PUR: 7703

07.03.2024

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Dear sir,

We are interested in purchasing of the following items. In case you can supply the same, you may send your quotation in sealed cover addressed to the Managing Director address given above superscribing on the top of the envelope quotation for **vet. Lab items** so as to reach us on or before 24.03.2024.

All rates must be F.O.R.- Hajipur on door delivery basis.

S.No.	Item	Qty reqd
1	Autoclave (as per specification enclosed no 11)	1
2	Incubator (as per specification enclosed no 13)	1
3	Electronic PH meter (as per specification enclosed no 22)	1
4	Water bath medium size	1
5	EI Tray (12'' x 10'')	1
6	Adjustable volume single channel pipette (0.2-2ul;1-20ul;100-1000ul)	1
7	Vortex mixer	1
8	TDS meter	1

Thanking you,

Yours faithfully,


Manager (MM)

Specification

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Autoclave Vertical:

Quality compliance:

- Compliance with international directives and standards: EN 1335 And/Or DIN 58951-2:2003 Steam Sterilizers for Laboratory Use.
- Comply with Quality Systems ISO 9001:2000; EN ISO 13485:2003 for Must be ASME certified.

Quality Systems for Devices Built:

- Floor standing vertical type top loading autoclave
- Dimensions: overall diameter should not be less than 600mm and overall height should not be less than 300m
- Fully automatic pressure control and auto set to 15psi and 121 degree C.

Sensors:

- Should have in-built platinum resistance temperature detector with a typical resistance of 100 Ω at 0°C that complies with international standards of safety requirements for electric equipment for measurement control and laboratory use
- Microprocessor based temperature controller with accuracy ± 1 degree C
- Temperature sensor with range 100-200 degree C.
- Manual door operation

Display:

- User interface should be easy to operate
- Have mechanical display enabling visualization of timer, water filling etc.
- Preferably have graphical display of temperature and pressure have notification for replacement of filters after appropriate number of runs performed.

Chamber volume: Should be not less than 50 litres and preferably should be 80-100 litres in capacity. Suitable number of basket for bottle, vessels or agar media preparation should be quoted along with the instrument.

Chamber material: Should be long lasting, made up of heavy duty Stainless steel SS304 or higher

Chamber pressure: Chamber should be designed to

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Detail specification of Incubator (. Nos)

1. Bacteriological incubator is used for the incubation of biological products under controlled conditions
2. Capacity in liters: 100-200 liters
3. Material of Outer Chamber: Mild steel furnished with epoxy powder coating
4. Material of Inner Chambers: SS 304
5. Temperature range in °C: 5 °C above ambient to 60 °C
6. Temperature Accuracy in °C: ± 0.5 C
7. Temperature Uniformity: ± 2 °C
8. Insulation: Puff
9. Display: LED digital display
10. Microprocessor Based PID Control
11. Material of Shelves: Stainless Steel
12. Number of shelves: 03
13. Minimum one years' onsite warranty

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Detail specification of pH meter (Nos)

1. Should be microprocessor based pH meter
2. pH Range: 0.00 to 14
3. Resolution in pH: 0.01
4. Accuracy in pH: +/- 0.05
5. Calibration: up to 3 points
6. Display: 3 digit LED / LCD
7. Modes: pH and mV
8. Temperature compensation type: Automatic
9. Minimum one onsite warranty