

Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpynggad, Shillong - 793014

Website : <http://megspcb.gov.in>



No. MPCB/TB-92(Pt-XIII)/2024-2025/45

Dated Shillong the, 17th Sept 2024

QUOTATION NOTICE

Sealed quotations accompanied by non-refundable fee of **Rs.1,000/- (Rupees one thousand) only**, by Demand Draft pledged in favour of the Member Secretary, Meghalaya State Pollution Control Board are hereby invited from reputed firms or their authorized suppliers/or agents for Gas Line Set-Up (Nitrogen, Nitrous Oxide, Helium, Argon, Acetylene, Hydrogen and Air) for the instruments viz Inductive Coupled Plasma Spectrophotometer (ICP), Gas Chromatograph (GC) and Atomic Absorption Spectrophotometer (AAS) and supply of the equipment's/instruments conforming to the specified technical specifications. The last date for receipt of quotations is on the **01st Oct 2024**, upto **01:00 PM**.

The quotations received will be opened by the undersigned on the same date and hour in presence of the suppliers or their authorized representatives, who likes to be present, if any.

The general Terms & Conditions of supply and the tentative technical specifications of the equipment / instruments are attached as Annexure-I and Annexure-II respectively.

(Dr. G.H. CHYRMANG, MFS)
MEMBER SECRETARY
MSPCB, SHILLONG

No. MPCB/TB-92(Pt-XIII)/2024-2025/45-A

Dated Shillong the, 17th Sept 2024

Copy to:

1. The Chairman, MSPCB, Shillong, for favour of information.
2. The Notice Board, MSPCB, Shillong.
3. Board's website.

MEMBER SECRETARY
MSPCB, SHILLONG

DETAILED PARTICULARS, TERMS AND CONDITIONS

GENERAL TERMS & CONDITIONS OF QUOTATION:

1. The Detailed Specification of the Equipment/instruments including Brand name, Make, Model etc should be clearly indicated in the Quotation.
2. The rates quoted should be exclusive of taxes and shall remain firm and fixed.
3. Taxes shall be paid as applicable.
4. No packing, forwarding, handling, insurance, delivery charges, etc. will be paid.
5. Delivery of the items including installation / commissioning should be made within 1 (one) month from the date of issue of the Supply Order.
6. The items should be delivered to the Member Secretary, Meghalaya State Pollution Control Board, Shillong – 793014 and receipt obtained thereon. No claims shall be entertained if items are delivered to any unauthorized person.
7. The Instrument with all its accessories is to be installed and commissioned at the Laboratory.
8. The supplier should provide on-site demonstration of the equipment. Authorized Calibration Certificate shall be provided during installation
9. Calibration facility should be made available and should be done at site as and when required.
10. Warranty/Guarantee period for each instrument should be at least for a period of 2(two) years
11. The supplier /dealer will have to replace the defective materials / items, if found, free of cost and other charges during warranty period. Free maintenance during the warranty period, prompt after sale service including technical support and availability of spares and consumables as and when required.
12. In case the quotation is being submitted by authorized agent/dealer of the principal manufacturing company, the authorized sales agency/ dealership certificate from the principal manufacturer should be furnished along with the quotation. Quotations without this authorization certificate will be rejected.
13. Payment shall be made only after receipt of items in full and good condition as per specifications and successful installation and commissioning of the equipment to the full satisfaction of the Board.
14. The supplier (if a non-tribal) should possess a valid Trading License issued by a competent authority.
15. In case of any dispute between the supplier and the consignee, the matter should be referred to the Chairman, Meghalaya State Pollution Control Board, Shillong – 7930104, whose decision shall be final and binding on all concerned.


MEMBER SECRETARY
MSPCB, SHILLONG

TENTATIVE TECHNICAL SPECIFICATIONS OF EQUIPMENT/INSTRUMENT

ICP, GC & AAS Gas Line Set-up

System		The Gas line set-up if for the following Gases viz Nitrogen, Nitrous Oxide, Helium, Argon, Acetylene, Hydrogen and Air	
Sl. No.	ITEM	Detail Specification	Quantity
1.	¼" SS Tubing with colour coated sleeve (coil) (Ar, He & N2)	IS 2379 – Pipeline Identification Color Code	100.0 feet
		PFI ES22. Recommended Practice for Color Coding of Piping Materials	
2.	PVC Casing Capping for Above Tubing	ISI certified under IS 14927 Part II	5.0
3.	Gas Purification & Control Panel For ¼" Outlet ¼" For	<ul style="list-style-type: none"> Moisture Trap with 50% Silica Gel + Mecluculer Sieve 13X. Oxytrap with 100CC Regenerable Catalyst Pressure Gauges, Pressure Regulator, On/Off Valves with Internal Tube. Service: Nitrogen 	1.0
4.	Gas Purification & Control Panel For ¼" Outlet ¼" For	<ul style="list-style-type: none"> Moisture Trap with 50% Silica Gel + Mecluculer Sieve 13X. Activated Charcoal Filter to remove the Hydrocarbons from Hydrogen Pressure Gauges, Pressure Regulator, On/Off Valves with Internal Tube. Service: Argon, Helium 	2.0
5.	¼" Inline Micron Filter	Dust removal for Zero Air, Nitrogen, Hydrogen Gas	3.0
6.	Cylinder Bracket with Chain	--	3.0
7.	High Pressure Manifold with Pigtails for	<ul style="list-style-type: none"> 1 Cylinder- Nitrogen, Helium, Argon MOC of Block: Stainless Steel, Isolation Valve as per IS 322 	3.0
8.	Gas Distribution Panel	<ul style="list-style-type: none"> 1/8 Gas Distribution Panel Open Type Single stage, Outlet 1/8", Service: Argon, Helium & Nitrogen 	3.0
9.	Double Stage Cylinder Regulator	<ul style="list-style-type: none"> MOC SS, Diaphragm S.S 316, Inlet Pressure: 280Kg/Cm2 Outlet Pressure: 16 Kg/Cm2 Service: Helium, Nitrogen, & Argon 	3.0
10.	Standard Fitting	--	1.0
11.	Cylinder Bracket with Chain	--	4.0
12.	Double Stage Cylinder Regulator	<ul style="list-style-type: none"> MOC SS, Diaphragm S.S 316, Inlet Pressure: 280Kg/Cm2 Outlet Pressure: 16 Kg/Cm2 Service: Helium, Nitrogen, Hydrogen & Z Air 	4.0
13.	Seamless Tube 1/8"	OD (0.5 mm thick) Coil form with Colour Coated Sleeve	170.0
14.	4 Stage Gas Purification & Control Panel	Inlet 1/8" OD Outlet, 1/8" OD for Zero Air, Nitrogen, Helium, & Hydrogen	1.0
15.	1/8" Inline Micron Filter	Dust removal for Zero Air, Nitrogen, Hydrogen & Helium	4.0

		gases	
16.	PVC Casing Capping	--	8.0
17.	Gas Distribution Panel	<ul style="list-style-type: none"> • 1/8 Gas Distribution Panel Open Type Single stage, Outlet 1/8" • Service: Ar, He, N2 & H2 	4.0
18.	High Pressure Manifold with Pigtails	<ul style="list-style-type: none"> • 1 Cylinder- Nitrogen, Helium, Z-Air & Hydrogen • MOC of Block: Stainless Steel, Isolation Valve as per IS 322 	4.0
19.	Standard Fitting	--	1.0
20.	Cylinder Bracket with Chain	--	2.0
21.	Double Stage Cylinder Regulator	<ul style="list-style-type: none"> • MOC SS, Diaphragm S.S 316, • Inlet Pressure: 280 Kg/Cm2 • Outlet Pressure: 16 Kg/Cm2, • N₂O with Pre Heater 	1.0
22.	Double Stage Cylinder Regulator	<ul style="list-style-type: none"> • MOC SS, Diaphragm S.S 316, • Inlet Pressure: 280 Kg/Cm2 • Outlet Pressure: 16 Kg/Cm2, • Service: Acetylene 	1.0
23.	High Pressure Manifold with Pigtails	<ul style="list-style-type: none"> • 1 Cylinder- Z-Air & Acetylene • MOC of Block: Stainless Steel, Isolation Valve as per IS 322 	2.0
24.	Seamless Tube ¼"	OD (0.5 mm thick) Coil form with Colour Coated Sleeve	60.0
25.	Gas Distribution Panel	<ul style="list-style-type: none"> • 1/4 Gas Distribution Panel Open Type Single stage, Outlet 1/4", • Service: Z-Air & Acetylene 	2.0
26.	PVC Casing Capping	--	5.0
27.	Standard Fitting	--	1.0
28.	Portable Gas Detector	<ul style="list-style-type: none"> • Ambetronics Engineers Pvt Ltd • Part Number: PG-100-s, For Confine space • Detection Method: Suction, with Data Logging • Along with Inbuilt T Pump, 2 Meter Gas Sampling Hose & 8.7" Gas Sensing Probe with standard Li-Polymer, Rechargeable Battery & Charger- Intrinsically Safe- PESO Approved. • Gas to be detected: Hydrogen • Range: 0-100% LEL • Sensor Principle: Catalytic Bead • Display: LCD with Backlight • Set Point: Two • Independent Set Point, AL1 & AL2 with LED Indication Facility only • Power Supply: Polymer, Rechargeable battery with Charger • *Hours of Battery backup • Enclosure Material: ABS Plastic • Size: 140 mm(L) x 70 mm(W) x 30 mm(H) <p>Weight: 300 Grams Max</p>	1.0
29.	Dismantling of Fume Exhaust System	--	1.0
30.	Gas Cylinder Trolley	--	2.0

31.	Others	<ul style="list-style-type: none">• Pre installation requirements- Complete technical details of pre installation requirement should be furnished along with the technical bid.• At least 5 Government/Reputed Laboratories Installation PO to be attached with Technical Bid.• Pre installation requirements- Complete technical details of pre installation requirement should be furnished along with the technical bid.• Manpower training on operation & maintenance of the instrument/equipment• Third party certification of the instrument, condition on demonstration if any doubt arises on manufacture.	
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