

Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpyngngad, Shillong - 793014

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



No. MPCB/TB-92 (Pt-XIII)/2022-2023/ 12

Dated Shillong the, 16th March 2023

QUOTATION NOTICE

Sealed quotation are hereby invited from reputed firms for supply of the instruments mentioned below. The quotations shall be received by the undersigned upto 1:00 pm of 31st March 2023 and will be opened on the same date and time in the presence of tenderers or the authorised representatives who would like to be present. Details of the specifications, terms and conditions of supply, etc. are stated herewith.

Sl. No.	Item	Specifications				Unit	
1.	CO/HC Analyser -cum- Smoke Meter (2 in 1) with software for online PUC C.	Measurement of CO/HC				1(one)	
		Measured quality	Measuring range	Resolution	Accuracy		
		CO	0... 15 % vol	0.01 % vol	< 0.6% Vol +/- 0.03% Vol ≥ 0.6% Vol +/- 5% v.M.		
		CO ₂	0... 20 % vol	0.01 % vol	< 10% Vol +/- 0.5% Vol ≥ 10% Vol +/- 5% v.M.		
		HC	0... 30000 ppm vol	≤ 2000: 1 ppm vol, > 2000: 10 ppm vol	< 200 ppm Vol +/- 12 ppm ≥ 200 ppm +/- 5% ppm ≥ 10000 ppm +/- 10% v.M.		
		O ₂	0... 25 % vol	0.01 % vol	< 2% Vol +/- 0.1 % Vol ≥ 2% Vol +/- 5% v.M.		
		*NO	0... 5000 ppm vol	1 ppm vol	< 500 ppm Vol +/- 50 ppm Vol ≥ 500 ppm Vol +/- 10% v.M.		
		Engine speed	400... 6000 min-1	1 min-1	± 1 % of ind. val.		
		*Oil temperature	0... 130 °C	1 °C	± 4 °C		
		Lambda	0... 9.999	0.001	Calculation of CO, CO ₂ , HC, O ₂		
		Measurement of Smoke					
		Description	Opacity	Absorption	RPM		OIL
		Measuring Range	0—100%	0--99.99 1/m	400-6000 1/min		0-150 degree
		Accuracy & Repeatability	+/- 1% Full scale	Better than +/- 0.1 1/m	+/- 10		+/- 2 Degree
		Resolution	0.1 %	0.01 1/m	+/- 1		+/- 1 Degree
		Miscellaneous	Description				
		Power Supply	Voltage: 230 V AC				
		Computer Interfacing	Data communication to a Computer or Terminal or other Compatible devices is possible through built-in SERIAL IN/OUT SOCKET.(RS-232 Interface)				
		Sensor	Photo Diode				
		External Printer	Thermal Printer				
Built-in RTC	Prints Real Date and Time on Print out						
Power supply	190...240 V AC, 50...60 Hz, 2.5 A						

Contd/-

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TERMS AND CONDITIONS:-

1. The Quoted rates shall be written clearly in figures & in words. In case of any discrepancy, the rate in words shall be taken as the correct rate.
2. The Quoted rates shall be inclusive of all taxes and shall remain firm and fixed. No price variation claim, on any account shall be entertained under any circumstances.
3. No packing, forwarding, handling, insurance, delivery charges, etc will be paid.
4. Delivery of the items should be made within 15 (fifteen) days from the date of issue of the supply order.
5. The items should be delivered to the Member Secretary, Meghalaya State Pollution Control Board, Shillong.
6. Payment shall be made only after receipt of materials in full and good condition as per specification, to the satisfaction of the Board.
7. The Member Secretary, Meghalaya State Pollution Control Board reserves the right to reject any or all quotations without assigning any reason thereof and does not bind him to accept the lowest rates.
8. In case of any dispute between the Quotationer and the consignee, the matter should be referred to the Chairman, Meghalaya State Pollution Control Board, Shillong whose decision shall be final and binding on all concerned.

(Shri. R. Nainamalai, IFS)
MEMBER SECRETARY
MSPCB, SHILLONG

Memo No. MPCB/TB-92 (Pt-XIII)/2022-2023/ 12-A
Copy to:-

Dated Shillong the, 16th March 2023

- 1) Chairman, MSPCB, for favour of information.
- 2) Chief Scientist, MSPCB, Shillong, for favour of information.
- 3) Sr. Scientist (II), MSPCB, Shillong, for information.
- 3) Sr. Actt., MSPCB, Shillong, for information.
- 4) Office Notice Board/ Board's website.

(Shri. R. Nainamalai, IFS)
MEMBER SECRETARY
MSPCB, SHILLONG