



TAMIL NADU POLLUTION CONTROL BOARD

From Thiru Md. Nasimuddin, I A S, Chairman (FAC) Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032.	To To be Published in TNPCB website and also as per list enclosed
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Letter No: TNPCBd/Labs/ Pur-III/ 0482/2018 date 25. 05.2018

Sub: TNPC Board - Labs -Purchase of 1 No of UV Visible Spectrophotometer on buy back scheme to AEL, Chennai – Limited tender called for- Regarding

Please furnish your sealed (**to be sealed with sealing wax**) and signed Tender for the supply of 1 No of **UV Visible Spectrophotometer** on buy back scheme to TNPC Board, AEL, Chennai as per the specification enclosed in the Annexure on or before **19.06.2018** addressed to the Deputy Director (Labs) ,Tamil Nadu Pollution Control Board. Chennai-32. If the rates quoted are for indigenous item it should be in Rupees and indicating GST, Packing, Forwarding and Delivering Charges. If the rates quoted are for the imported items the price should be quoted in foreign currency including freight, forwarding charges, insurance excluding customs duty. The Board is eligible for concessional customs duty. The Warranty period, offered by you and the delivery period required by you to supply the material should be clearly mentioned in the Tender as per the Technical specification. The actual manufacturers or their authorized agent and stockiest having at least three years experience in these products should only quote. In case of dealers, authorization letter for dealership from the original manufacturer should be enclosed

The sealed cover, super scribed as "**Tender for the supply of "UV visible Spectrophotometer "**" our reference number and due date of tender, should be sent to the following address:-

**THE DEPUTY DIRECTOR (LABS)
TAMIL NADU POLLUTION CONTROL
BOARD (ANNEXE),
76, MOUNT SALAI,
GUINDY,
CHENNAI – 600 032.**

Tender received after the due date will not be considered.



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If the tender is accepted, supply order will be issued to successful bidder under the following terms and conditions stipulated below:-

01	EMD	:	Rs 10,000/- (Rupees Ten Thousand only) by the Name of Demand Draft in favor of TNPCB, Chennai
01	Payment	:	30 days from the date of effecting full supply
02.	Penalty	:	10% p.a. on the value of goods for every day of delay beyond the time schedule of delivery till the date of completion of supply.
03.	Agreement	:	An agreement has to be concluded with the Tamil Nadu Pollution Control Board in a non-judicial stamp paper to the value of Rs.20/- at your cost within 15 days from the date of the order.
04.	Security Deposit	:	Demand Draft for 5% of the value of the order placed by the Board may be drawn in favor of Tamil Nadu Pollution Control Board, Chennai, from any one of the Nationalized Bank payable at Chennai towards Security Deposit and sent to this office within 7 days from the date of receipt of the order or before effecting the supply, whichever is earlier. This shall be refunded after Three years from the date the relevant supply and installation of the instrument.
05	Delivery Period required	:	21 days from the date of receipt of the supply order.
06.	Place of Delivery	:	AEL, Chennai
07.	Under Buy back Scheme	:	Under buy back scheme of any make of obsolete UV visible Spectrophotometer from AEL, Chennai


For Chairman
1/10/18

76, MOUNT SALAI, GUINDY, CHENNAI - 600 032.

Tel : 22353134, 22353135, 22353136, 22353137, 22353138, 22353139, 22353140, 22353141

Fax : 044-22353068

Email : tnpcb@md3.vsnl.net.in www.tnpcb.gov.in



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TECHNICAL SPECIFICATION OF UV/VISIBLE SPECTROPHOTOMETER

Brief description of the Instrument/System

Computer controlled spectrophotometer which can be used with, rectangular cells of up to 10 mm thickness, and sipper flow through cell, having following specifications.

Sl. No.	Specification	Requirements	BIDDER'S RESPONSE (Bidder shall indicate "Complied" or "Non Complied" as applicable in each row. In case of "Non Complied", detail shall be mentioned
1.	Optics type	Double beam	
2.	Source	UV /Visible Lamp	
3.	Wave Length Selector	Monochromatic	
4.	Sensitive Detector	Photomultiplier Tube	
5.	Sensor	Photodiode	
6.	Wavelength range	Should cover 190-1100 nm range	
7.	Wavelength readability	Better than or equal to 0.2 nm	
8.	Wavelength accuracy	Better than or equal to ± 0.5 nm	
9.	Wavelength repeatability	Better than or equal to ± 0.5 nm	
10.	Spectrol band width	Provisions should include atleast 2.0 nm SBW	
11.	Scan speed	Should be wide range and should provide a maximum limit of atleast up to 800 nm/minute	
12.	Photometric range	Should cover - 0.500 ABS to + 3.0 ABS range	
13.	Photometric accuracy	Better than or equal to 0.005 A at 1 A	

14.	Photometric noise	Not more than 0.0005 A at 0 A	
15.	Photometric readout	Should atleast provide ABS (four digit), % T and Concentration modes.	
16.	Stray light	Less than 0.01%	
17.	Drift	Less than 0.0004 ABS/hr after warm up.	
18.	Power Requirement	(230 ± 10) volts/50 Hz AC operated.	
19.	Computer and printer	Latest version of standard make for office purpose.	
20	Warranty	Comprehensive warranty for 3 years	

The system should provide facility for the storage of spectra/methods, multi wavelength mode, baseline correction, peak area and other statistical calculation. **Software should be provided for water & environmental analysis according to DIN/ISO/USEPA.**

Additional items to be supplied

1. Continuous flow based automatic sipper unit having sample return facility.
2. Operation and maintenance manual.
3. Analytical manual
4. Rectangular absorption cells of 10 mm and 20 mm path lengths (six Nos. each).

[Signature]
16/18
Deputy Director (Labs)

[Signature]
01/02/18