



TAMILNADU POLLUTION CONTROL BOARD

From Er N. Sundara Gopal, M.E, Member Secretary, Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai-32.	To Published in TNPCB website
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Letter No: TNPCBd/Labs/ Pur-II/2378-11/2014 dated: 04.07.2017

Sir,

Sub: TNPC Board - Labs -Purchase of 1 No of Total Kjeldhal Nitrogen Analyser to DEL, Perundurai – 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 **Total Kjeldhal Nitrogen Analyser** to TNPC Board Labs as per the specification enclosed in the Annexure on or before **31 .07. 2017** addressed to the Deputy Director (Labs) ,Tamil Nadu Pollution Control Board. If the rates quoted are for indigenous item it should be in Rupees and indicating Sales Tax, 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 stores should be clearly mentioned in the Tender with the following 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 Total Kjeldhal Nitrogen Analyser** " 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.



TAMILNADU POLLUTION CONTROL BOARD

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

01.	EMD	:	Rs 1,500/- (Rupees One Thousand Five Hundred only) by the Name of Demand Draft in favor of TNPCB, Chennai
	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 Nationalised 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 two 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	:	DEL, Perundurai
07	Buy Back	:	Under buy back scheme of any make of obsolete Total Kjeldhal Nitrogen Analyser from any lab

For Member Secretary

[Handwritten signature]
6/7/17

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

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

Fax : 044-22353068

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

TECHNICAL SPECIFICATIONS

TOTAL KJELDAHL NITROGEN ANALYSER

A. Automatic Macro Block PC Compatible Digestion System

- Eight Place atleast 200 ml PC Compatible Block Digestion System with casted aluminium alloy heater (temp upto 450^oc)
- Direct USB Port for PC/Laptop Connectivity, Advanced PC chart software performs Live graphical representation of time / temperature gradient with 70 programs of 12 sequencing steps
- Live process view display of various stages with facility to have print options,
- Key Pad Display. Supports all available Windows fonts and characters.
- Inbuilt software program for micro and macro nutrient, trace element.
- Data logging with real time clock, Memory stick for data storage with separate port in mother board, Programmable user ID with Programmable scan rate,
- Software enables multiple unit monitoring with user login feature, Data table export to excel.

B. Scrubber System

- **Four stage acid neutralization scrubber.**
- Non corrosive centrifugal suction pump with inbuilt self priming feed pump for water recirculation,
- FRP Tank, Containers for Alkali and Water,

C. Automatic Distillation System

- Autosequencing Microprocessor based PC Compatible Distillation System with in built- software with at least 30 predefinable user storage programs,
- Auto Intelligent run of programmable steps, Automatic Dilution, Alkali Addition, Steam, Process over indication with alarm with delay time feature, Automatic titration connectivity feature for future upgradation,
- Two line alpha numeric digital LCD display, Inbuilt safety features with CE Certification to fulfill all statutory requirement of Good laboratory Practice.
- Automatic sensing of no water condition in condenser with auto alarm & warning signal to alert user.

- Auto deactivation of operation after few minutes of warning on NO-WATER condition in case of user non availability,
- Automatic measuring and monitoring of high temperature in distillate with auto warning signal and alarm to control distillate temperature with digital display of temperature
- Tube insert error indication, Auto door open warning indication, Auto deactivation of System on error diagnosis,
- Stainless steel non corrosive steam Generator, Fully Automatic water level monitoring with centrifugal refilling pump, Peristaltic pump for reagents addition,

D. Accessories

- tray sets of digestion tubes with Digestion tube stand
- Spillage for the condensers
- Tube removing device

E. Spares

- Spares and accessories for its 2 years of continuous use after warranty.
- Digestion tablet 1000 Nos.

F. Conditions & Requirements

- The supplier shall do installation, commissioning and training in operational use.
- At least 5 years of after sale service shall be guaranteed.
- Warranty - comprehensive warranty for two years.

Deputy Director (Labs)

AD
6/7/17

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