



TAMIL NADU POLLUTION CONTROL BOARD

Chennai – 32.

**REGISTRATION OF THE SUPPLIERS FOR THE CALIBRATION OF SCIENTIFIC
INSTRUMENTS / EQUIPMENTS**

Tender No.02/2022

Tender is invited under two bids system i.e., Technical and Financial Bids for Registration of Suppliers for rate contract for calibration of various scientific Instruments/Equipments from NABL Accredited Labs for a period 01.04.2022 to 31.03.2023. Tender can be downloaded from the TNPCB, portal.

S.No.	Name of Goods	Registration of Suppliers for Rate Contract for Calibration of various Scientific Instruments / Equipments from NABL accredited labs.	
		Date	Time
1.	Date of Notification	16.06.2022	
2.	Pre bid meeting	30.06.2022	15.00 Hrs
3.	Last date of Technical Bid Submission	15.07.2022	13.00 Hrs
4.	(Cover-A) - Technical bid opening date	15.07.2022	15.00 Hrs
5	(Cover-B) - Price bid	Date and time for price bids will be	

		intimated separately of cover-B is found technically representative and acceptable.
6	Place of opening of bid	TNPCB, 76 Mount Salai, Guindy, Chennai – 32
7	Address for communication	All sealed cover shall be addressed to the Chairman, TNPCB, Chennai 600 032 and deposited in the O/o.DD(Labs), 76, Mount Salai, Guindy, Chennai -32, or sent by post to the Deputy Director (Labs) TNPCB, 76, Mount Salai, Guindy, Chennai 600 032.

**TENDER NOTICE FOR RATE CONTRACT FOR CALIBRATION OF SCIENTIFIC
INSTRUMENTS /EQUIPMENTS**

Pre-Qualification Criteria (PQC):

1. The Bidder should have a valid PAN (Permanent account Number), GST Registration No. latest GST/VAT return
2. The Bidder shall possess a valid accreditation from a regulatory body (NABL) in India for Instrument calibration.
3. The bidder should have experience of having successfully completed similar work during last 3 years ending 31.03.2022.

Similar work means calibration of instruments/equipment of any organization of repute. Documentary evidence in form of Certificates from client/ Work order copies specifying the work and the amount of contract should be submitted along the offer. Tender documents shall be made available on TNPCB Portal for downloading. The bidders have to submit physical mode. The tenders are to be submitted in two parts i.e., (Cover –A) - Technical Bid and (Cover-B) - Price Bid on or before the date & time fixed for receiving the bid. Offline, Telex, telegraphic or email bids will not be entertained.

The following technical requirements have to be fulfilled by the laboratories as Pre – requisites for consideration of their technical bid. The Quotation received without adequate details of technical requirements will be rejected.

A. Technical Bid Requirements (Cover-A)

S. No.	Requirement		Compliance
1.	IS 17025 Accreditation for Calibration Laboratories	NABL	Yes/No (if Yes validity upto.....)
2.	Accreditation for instruments and equipment (As per List)	NABL Certificate Number	Yes/No (if Yes provide Certificate number... ..)
3.	Information Sheet for calibration of Instruments / equipment, which is not covered under NABL scope.	Information Sheet	Yes/No (If Yes provide methodology...)

B. Financial Part (To be submitted in a separate sealed cover) (Cover-B)

As per Annexure-I

- The Laboratory has to submit all-inclusive cost (tax may be mentioned separately) of respective items as financial bid

Items	All Inclusive Unit Cost (Rs/-)
A. (i) Onsite Calibration (item-wise per instruments and equipment) - As per list enclosed.	To be mentioned against each items in the enclosed list.

B. (ii) Calibration at calibration laboratory (items- wise per instruments and equipment) - As per list enclosed.	To be mentioned against each items in the enclosed bid.
C. Taxes (if any)	To be mentioned against each items.

- The Laboratory has to submit NABL accredited calibration certificate of each instruments and equipment after the calibration indicating the validity of certificate.

The submitted Tender Document must be accompanied with signed copy of tender, Credentials, accreditation copy, Work order copies, Completion of work Certificates. Conditional tender may disqualify so tenderers are advised to quote price as per tender conditions only. Price Part shall be open only of the technically qualified tenderers later on and date to be notified to the qualified tenderers only.

Introduction:

Tamil Nadu Pollution Control Board (TNPCB) is an autonomous statutory organization. For smooth functioning of laboratories and monitoring of various process parameters various online/offline instruments are installed. In order to cross check the healthiness of installed online instruments, measuring instruments are procured and are calibrated annually. Present tender deals with the calibration of various Instruments/equipment installed at different Laboratories of TNPCB located in the State of Tamil Nadu.

Scope of work - Calibration of various Instruments/Equipment of Laboratories, located in the State of Tamil Nadu. (As per the Annexure-II).

1. On a mutually agreed date, successful bidder shall collect the instruments / equipment from TNPCB, Chennai transport it to their laboratory, calibrate the instrument and return the calibrated instrument with calibration certificate.
2. List of Instruments to be calibrated is available in Annexure - I of this tender.
3. All tools, tackles, standards, machinery etc. required for satisfactory completion of job shall be arranged by the bidder.

GENERAL TERMS AND CONDITIONS OF CONTRACT

1. **Nature of Tender:** The tenderer should submit their tender in physical mode and in Two Part-Single stages as described in Notice Inviting Tender.
2. **SECURITY DEPOSIT:** Tenderer should deposit a sum 5% of the awarded value as security deposit in the form of Demand Draft drawn in favour of TNPCB, Chennai payable at Chennai which will bear no interest. This shall be refunded within 60 days after the completion of the rate contract period.
3. **RATE:** The rate is to be quoted only as per price format of tender document failing which your offer shall be rejected. It is to be noted that tenderer should quote rate for all items mentioned in the price format.
4. **EMD:** An EMD of Rs.5000/- per tender has to be remitted by Demand draft in favour of TNPCB payable at Chennai. The amount will be returned to the unsuccessful tenderer and will be adjusted against performance security deposit in case of successful tenderer.
5. **Performance Certificate:** Please indicate in your quotation, names

and address of some of the Government organizations along with the contact persons, their telephone numbers, numbers, fax numbers etc., to whom you have supplied similar type of items. Please invariably include a copy of the performance certificates obtained which is duly certified.

6. The rate quoted will remain firm till completion of the contract.

- (i) If all bidders quote for all items, then the total cost shall be the only deciding factor of L-1bidder.
- (ii) If some of the bidders quote for some of the items, then work will be split to two or more bidders as per lowest price of individual items.

7. RATES IN WORDS & FIGURES:

- a. In case of item rate tender, only rates quoted shall be considered.
- b. Rates shall be filled properly so that no discrepancy in rate written in figures and words. However, if a discrepancy is found, the rate which corresponds with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rate written either in figure or in words, then the rates quoted by the contractor in words shall be taken as correct.
- c. Where the rates quoted by the contractor in figures and in words tally but the amount is not works out correctly, the rate quoted by the contractor will unless otherwise proved

be taken as correct and not the amount. In event no rate has been quoted for any item(s) then rate of such item(s) will be considered as zero.

8. The quoted rate shall be inclusive of GST.
9. Contractor will arrange all tools, tackles, standards for satisfactory execution of the work.
1. **COMPLETION PERIOD:** Entire work shall be completed within 45 days of placing for work order. A penalty of 10% p.a on the value of goods for every day of delay beyond the time schedule of calibration till the date of completion of work.
10. **OFFER VALIDITY:** Offer shall be valid for 90 days effective from date of opening of tender.
11. **TERMS OF PAYMENT:** The contractor shall raise the bills in Triplicate to TNPCB labs immediately after completion of work. TNPCB will release the payment within 30 days to the contractor on receipt of duly certified bills from the head of labs.
12. **GST REGISTRATION:** Tenderers should have valid GST registration certificate and a copy of the same is to be attached along with tender documents.
13. **TNPCB GST REGISTRATION:** Bidder shall note that TNPCB GSTIN as 33AALT0344G2ZB.
14. **WORKING HOURS:** The timing to perform the job assigned will be strictly adhered to our office timings on regular working days.
15. **SUB-CONTRACT:** Not applicable in this contract.

16. **IDLE CLAIM:** Tenderer may please note that no claim will be entertained on account of idle work force, stoppage of work, unprecedented rain/storm or any other unforeseen circumstances.
17. **DEVIATION FROM ORIGINAL TENDER:** The bidder should indicate any suggestion deviations from the tender document in the bid itself for consideration by the TNPCB. These deviations shall constitute part of contract when approved by the TNPCB.
18. **TRAVELLING ALLOWANCE:** Other than price specified in price format, no extra payment shall be paid for collection / Return of Instruments.
19. **LODGING/BOARDING FACILITY:** TNPCB will not provide any lodging/Boarding facility to the person engaged by the bidder in this job.
20. **SITE INVESTIGATION:** The bidder should satisfy himself as to the nature and location of work, and all other incidental costs at TNPCB Chennai. Any failure of the bidder to acquaint himself with all the available information concerning these conditions will not relieve him of responsibility of estimating properly, the difficulty or cost of successful performing the work.
21. **CONTACTING/ CLARIFICATION WITH TNPCB:** From the time of bid opening to the time of contract award, if any bidder wishes to contact TNPCB on any matter related to the bid, it should do so in writing. For any clarification bidder may contact from Deputy Director (Labs) TNPCB, Chennai – 32.

22. **BID EVALUATION CRITERIA:** Bid is the responsibility of bidder and no relief or consideration can be given for errors and omission by the bidder inadvertently or adherently. Bid with incomplete information is liable for rejection.

The techno-commercial part of bid shall be evaluation criteria and other requirements / documents as indicated in the bidding document. Techno-commercial bid containing price shall be summarily rejected. Non submission of details /documents as per above may lead to rejection of bid.

23. **AWARD OF CONTRACT:** TNPCB will award the contract to the successful bidder whose bid has been determined substantially responsive and lowest, further qualified to satisfactorily perform the contract.
24. **NOTIFICATION OF AWARD:** Prior to the expiration of period of bid validity TNPCB will notify the successful bidder in writing by letter/Email to be confirmed in writing, that his bid has been accepted. The notification of award/Fax of Indent will constitute the formation of contract.
25. **TNPCB'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS:** TNPCB reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bid, at any time prior to award of contract, without thereby incurring any liability to be affected bidder or bidders are any obligations to inform the affected bidder or bidders of the ground for TNPCB's action.
26. **JURISDICTION:** Any action / dispute arise out of or from this work order shall be subject to the jurisdiction of court of law at Chennai only.

(to be enclosed in separate cover – B).

Price Schedule for Calibration of various Scientific Instruments/Equipments from
NABL accredited labs

Tender Inviting Authority:	Tamil Nadu Pollution Control Board		
Name of Goods	Rate Contract for Calibration of various Scientific Instruments / Equipments from NABL accredited labs the year 2022-2023.		
Tender No.			
Bidder's Name with Address (To be filled by the bidder)			
Price Schedule for Calibration of various Scientific Instruments/Equipments from NABL accredited labs.			
S.No.	Items	Range / Volume	All Inclusive Unit Cost (Rs/-)
1	Analytical Balance	0.001 gm to 420 gm	
2	Precision Balance	0.001 gm to 600 gm	
3	Moisture Balance	Max 200 gm	
4	Standard Weight E2	0.1 mg to 200 gm	
5	Micro Syringe	1 µl to 100 µl	
6	Micro Pipette	10 µl to 100 µl	
7	Micro Pipette	100 µl to 1000 µl	
8	Micro Pipette	02 µl to 2000 µl	
9	Micro Pipette	500 µl to 5000 µl	
10	Micro Pipette	1000 µl to 10000 µl	
11	Auto Pipette	10 µl to 1000 µl Fixed	
12	Glass Bulb Pipette	1, 2, 5, 10, 20, 25, 50 ml	

13	Glass Pipette Graduated	1 ml to 25.0 ml	
14	Bacteriological Incubator for Temp.	0 °C to 55 °C	
15	Glass Burette	1.0 ml to 50.0 ml	
16	Digital Burette	0.1 ml to 50.0 ml	
17	Dispenser	1.0 ml to 10.0 ml	
18	Volumetric Flask	10 ml to 1000 ml	
19	Glass Vial	1.0 ml & 2.0 ml	
20	Measuring Cylinder	10 ml 2000 ml	
21	Glass Thermometer	-10 °C to 360 °C	
22	Vesicooler	2 °C to 8 °C	
23	Refrigerator	-1 °C to 10 °C	
24	Hot Plate	Ambient to 300 °C	
25	Orbital Shaker	Temp : -10 °C to 50 °C Speed 50 rpm to 350 rpm	
26	Digital Thermometer	Upto 250 °C	
27	Digital Thermo Hygrometer	Temp. -10.0 °C to 50 °C and Humidity 1% to 100%	
28	Temperature and Humidity Control Chamber	Temp. Up to 50 °C and Humidity Up to 50%	
29	Hot Air Oven	Ambient to 300 °C	
30	Water Bath	Ambient to 100 °C	
31	GC Oven	Up to 300 °C	
32	Muffle Furnace	100 °C to 1200 °C	
33	Deep Freezer	-20 °C to 12 °C	
34	BOD Incubator	15 °C to 30 °C	
35	COD Digester	100 °C to 200 °C	

36	pH Meter	1 to 14	
37	DO Meter	0.5 mg/L to 30.0 mg/L	
38	Conductivity Meter	0.1 uS/cm to 2000 uS/cm	
39	Turbidity Meter	0.0 to 1000 NTU	
40	Test Sieve	63 µm, 425 µm, 0.6 mm	
41	D-Net	≤ 600 µm	
42	Autoclave	121 °C 15lbs/inch ²	
43	Laminar Flow Bench (for Airparticle size and flow)	Flow 0.45 m/s to 0.65 m/s, & Particle size ≤ 0.3µm to 5 µm	
44	RDS Sampler Manometer	Up to 1.6 m ³ /min	
45	Rota meter for Gas Sampling	Up to 2 LPM, Up to 60 LPM	
46	Time Totalizer	-----	
47	Diaphragm Gas Meter	0.025 to 4 m ³ /hr	
48	Differential Pressure Meter	0 to 2000 mm of water	
49	S- Type Pitot Tube	3 to 60 m/s	
50	K- Type Thermocouple with indicator	100 to 1200 C	
51	Top loading Orifice	Upto 1.6 m ³ /min	

(All terms and conditions to be mentioned)

Signature with stamp of Agency

Representative

Dated:.....

LIST OF INSTRUMENTS / EQUIPMENTS TO BE CALIBRATED

S.No.	Items	Range / Volume	Quantity
			As Per Requirement
1	Analytical Balance	0.001 gm to 420 gm	
2	Precision Balance	0.001 gm to 600 gm	
3	Moisture Balance	Max 200 gm	
4	Standard Weight E2	0.1 mg to 200 gm	
5	Micro Syringe	1 μ l to 100 μ l	
6	Micro Pipette	10 μ l to 100 μ l	
7	Micro Pipette	100 μ l to 1000 μ l	
8	Micro Pipette	02 μ l to 2000 μ l	
9	Micro Pipette	500 μ l to 5000 μ l	
10	Micro Pipette	1000 μ l to 10000 μ l	
11	Auto Pipette	10 μ l to 1000 μ l Fixed	
12	Glass Bulb Pipette	1, 2, 5, 10, 20, 25, 50 ml	
13	Glass Pipette Graduated	1 ml to 25.0 ml	
14	Bacteriological Incubator for Temp.	0 $^{\circ}$ C to 55 $^{\circ}$ C	
15	Glass Burette	1.0 ml to 50.0 ml	
16	Digital Burette	0.1 ml to 50.0 ml	

17	Dispenser	1.0 ml to 10.0 ml	
18	Volumetric Flask	10 ml to 1000 ml	
19	Glass Vial	1.0 ml & 2.0 ml	
20	Measuring Cylinder	10 ml 2000 ml	
21	Glass Thermometer	-10 °C to 360 °C	
22	Vesicooler	2 °C to 8 °C	
23	Refrigerator	-1 °C to 10 °C	
24	Hot Plate	Ambient to 300 °C	
25	Orbital Shaker	Temp : -10 °C to 50 °C Speed 50 rpm to 350 rpm	
26	Digital Thermometer	Upto 250 °C	
27	Digital Thermo Hygrometer	Temp. -10.0 °C to 50 °C and Humidity 1% to 100%	
28	Temperature and Humidity Control Chamber	Temp. Up to 50° Cand Humidity Up to 50%	
29	Hot Air Oven	Ambient to 300 °C	
30	Water Bath	Ambient to 100 °C	
31	GC Oven	Up to 300 °C	
32	Muffle Furnace	100 °C to 1200 °C	
33	Deep Freezer	-20 °C to 12 °C	
34	BOD Incubator	15 °C to 30 °C	

35	COD Digester	100 °C to 200 °C	
36	pH Meter	1 to 14	
37	DO Meter	0.5 mg/L to 30.0 mg/L	
38	Conductivity Meter	0.1 uS/cm to 2000 uS/cm	
39	Turbidity Meter	0.0 to 1000 NTU	
40	Test Sieve	63 µm, 425 µm, 0.6 mm	
41	D-Net	≤ 600 µm	
42	Autoclave	121 °C 15lbs/inch ²	
43	Laminar Flow Bench (for Airparticle size and flow)	Flow 0.45 m/s to 0.65 m/s, & Particle size ≤ 0.3µm to 5 µm	"
44	RDS Sampler Manometer	Up to 1.6 m ³ /min	"
45	Rota meter for Gas Sampling	Up to 2 LPM, Up to 60 LPM	"
46	Time Totalizer	-----	"
47	Diaphragm Gas Meter	0.025 to 4 m ³ /hr	
48	Differential Pressure Meter	0 to 2000 mm of water	
49	S- Type Pitot Tube	3 to 60 m/s	
50	K- Type Thermocouple with indicator	100 to 1200 C	
51	Top loading Orifice	Up to 1.6 m ³ /min	

TENDER ACCEPTANCE LETTER

Date_____

Tender Notice No_____

To

The Chairman
Tamil Nadu Pollution Control Board
No 76, Mount Salai,
Guindy,
Chennai-600 032.

Sir,

Having examined the terms and conditions of Tender Document and specifications for Rate Contract for Calibration of various scientific Instruments/equipment, the acceptance of which is hereby acknowledged. We, the undersigned, offer to supply the following:

- 1.
- 2.
- 3.
- 4.
- 5.

(Please add additional pages, if required). The above supply shall be in conformity with the specifications and conditions of supply.

We undertake if our bid is accepted to deliver the items quoted by us, we shall deliver within the period indicated by us in our offer. We also undertake that in

case of our failure to deliver the item on specified time, appropriate penalty can be levied on us. We agree to abide by this bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before expiration of that period.

We are submitting a Demand Draft for Rs...../ in bid Currency in favour of "Tamil Nadu Pollution Control Board", Chennai towards the Earnest Money.

This Bid, together with your written acceptance thereof in your notification of award shall constitute a bidding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive dated this.....day of .2022.


Signature of authorized Person, Name with Stamp & full Address.

Bank Mandate Form for making payment

- a) Name of the payee :
(As appeared in bank account)
- b) Bank Account No. :
- c) Bank :
- d) Branch :
- e) IFSC Code :
- f) Address of the payee :
- g) E-mail ID :
- h) Mobile No. :

Sd/- A.Udhayan
Chairman

//Forwarded by order//


Deputy Director (Labs)
14/6/22

