



**Central Pollution Control Board**

Regional Directorate (South), A block, Nisarga Bhawan, I and II Floors,  
7<sup>th</sup> D cross, Thimmaiah Road, Shivanagar, Bengaluru-560079.

Tel: 08023233739, 23233827, Fax:080-23234059

Email: [cpcbszo@yahoo.com](mailto:cpcbszo@yahoo.com) & [zobangalore.cpcb@nic.in](mailto:zobangalore.cpcb@nic.in)

Ref : CPCB/RLB/DV/Tender/HW/18-19/2096

22 / 02 / 2019

***Sub: Tender for supply of laboratory instruments***

**Dear Sir/Madam,**

1. The Regional Director (South), Central Pollution Control Board (CPCB), invites online tender in single stage two bid system for the supply of **Direct thermal decomposition mercury analyzer, Handheld XRF Analyzer (Portable XRF gun) & vibratory sieve shaker** along with all accessories at Regional Laboratory, Central Pollution Control Board (CPCB), Regional Directorate (South), Bengaluru located at 'A' block, Nisarga Bhawan, 2<sup>nd</sup> Floor, 7<sup>th</sup> D Cross, Thimmaiah Road, Shivanagar, Bengaluru 560079.
2. The tender document could be downloaded from Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app> . Tender document is also available in CPCB website ([www.cpcb.nic.in/Tender.php](http://www.cpcb.nic.in/Tender.php)) for information. The tender document shall not be tampered /modified including downloaded financial bid template in any manner. In case if the same is found to be tampered /modified in any manner, tender will be rejected summarily.
3. Bids along with the copies of PAN & GST registration shall be submitted through online at CPPP website. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. Not more than one tender shall be submitted by one tenderer in any case.
4. Intending tenderers are advised to visit regularly CPPP and CPCB websites till closing date of submission for any corrigendum/addendum/amendment.

5. The schedule of the tender process is given below

S.No	Details of Schedule	DD	MM	YYYY	Hr	Min
1.	Published date	22	02	2019	10	00
2.	Bid documents Download starting date	23	02	2019	10	00
3.	Bid documents submission starting date	23	02	2019	10	00
4.	Bid documents submission ending date	15	03	2019	17	00
5.	Bid opening date	15	03	2019	17	00
6.	Bid opening address	Central Pollution Control Board Regional Directorate (South) A block, Nisarga Bhawan I and II Floors, 7th D cross Thimmaiah Road, Shivanagar, Bengaluru-560079				

7. The tender shall be submitted in two parts, viz, **Technical Bid and Financial Bid**. The detailed technical specification of each instrument are given in Annexure-I. Technical bid shall be submitted as per Annexure-II and financial bid as per Annexure III. All the pages of technical specifications, supporting documents & brochures must be signed and sequentially numbered by the bidder irrespective of nature of contents of the documents before uploading. The offers submitted by fax/ email or any other mode shall not be considered.
8. The tenderer shall also submit hard copies of same documents (technical bid which have been uploaded in the e-portal) to this office before the last date of submission as mentioned in the schedule of tender process. However, the document submitted through online is final.
9. The minimum validity of tender is six months (180 days) from the date of opening of the financial bid.
10. The instrument/equipment shall be delivered alongwith the invoice in original at this office within 15 days from the date of issue of supply order along with duly filled in PFMS form for the release of payment.
11. The payment shall be released after the timely delivery, demo and satisfactory performance of the instrument/equipment.
12. Applicable income tax and other taxes as applicable shall be deducted at source
13. For any technical clarification Dr. Deepesh V, Scientist 'B' (Mobile: 9611128895) may be contacted for further information.
14. It may be noted that mere quoting the lowest rates will not entitle any tenderer to get the confirmation of supply order
15. In the event of any dispute, the decision of the Chairman, Central Pollution Control Board shall be final and binding upon both the parties.
16. The Chairman, Central Pollution Control Board reserves the right to cancel any or all the tenders without assigning any reasons thereof.
17. Typographical & clerical errors are subject to correction.

Yours faithfully



(S.Suresh)

22/2/2019

Regional Director

Encl: Annexure-I (Technical Specifications)  
Annexure –II (Technical bid submission formats)  
Annexure –III (Financial bid submission formats)

Copy to:

1. Notice Board, CPCB, RD(S), Bengaluru – 560079
2. In charge and AD, IT Division, CPCB, Delhi – with a request to upload the document in CPCB website for information.





**Direct thermal decomposition mercury analyzer***SPECIFICATIONS*

S.No.	Specifications
1	Measurement principle: CV-AAS or Amalgamation-AAS
2	Detection limit: 0.001ng
3	Suitable for solid and liquid matrices without sample preparation
4	Combustion tube: Quartz
5	Ceramic/ metal/ quartz sample boats
6	Integrated data processing software with PC
7	Compatible with USEPA and ASTM methods
8	Authorized training, support and warranty for one year or more

**Handheld XRF Analyzer (Portable XRF gun)***SPECIFICATIONS*

S.No.	Specifications
1	X-ray tube based handheld XRF analyzer gun
2	Detector: Si-PIN diode, SDD based or advanced SDD based
3	Integrated colour screen suitable for outdoor use
4	Powered by rechargeable battery with AC adaptor
5	Detectable elemental range from Ti and higher or better
6	Testing modes: Assay, Grade & Limit testing
7	Internal data storage and expandable memory
8	USB data transfer and PC control software
9	Point and shoot live spectra on analyzer and optional PC software
10	Ideal for metals, alloys, soil e-scrape and industrial waste
11	Authorized training, support and warranty for one year or more

**VIBRATORY SIEVE SHAKER**  
*SPECIFICATIONS*

Drive technology	Electromagnetic drive
Measuring range	20 µm to 25mm
Feed / batch capacity	Up to 3 Kg
Digital amplitude setting	1-100 %
Digital timer	1-99 minutes
Suitable for wet sieving operation	Yes
Suitable sieve diameter	100 – 203 mm
Standard sieve stack (203 x 50 mm)	Yes
Sieve stack clamping device	Yes
Collecting pan	Yes
Support & Warranty	Authorized support and warranty for one year or more
Optional test sieve rack	For 10 sieves including sieves.

**Annexure – II**

**Technical Bid Submission Form for Direct thermal decomposition mercury analyzer**

S. No.	Items	Specification / Description of items	*Statement of Compliance
(1)	(2)	(3)	(4)
1	Measurement principle:	CV-AAS or Amalgamation-AAS	
2	Detection limit:	0.001ng	
3	Sample matrix & sample preparation:	Suitable for solid and liquid matrices without sample preparation	
4	Combustion tube:	Quartz	
5	Sample boats:	Ceramic/ metal/ quartz	
6	Data processing & software	Integrated data processing software with PC	
7	Compatible methods	Compatible with USEPA and ASTM methods	
8	Support & warranty	Authorized training, support and warranty for one year or more	

*Note: \*Mention Clearly whether it is complied with or Not complied with at column no.: 4, If the same is not mentioned clearly, the tender will be rejected.*

**Annexure – II**

**Technical Bid Submission Form for Handheld XRF Analyzer (Portable XRF gun)**

S. No.	Items	Specification / Description of items	*Statement of Compliance
(1)	(2)	(3)	(4)
1	Working principle:	X-ray tube based handheld XRF analyzer gun	
2	Detector:	Si-PIN diode, SDD based or advanced SDD based	
3	Display:	Integrated colour screen suitable for outdoor use	
4	Power requirement:	Powered by rechargeable battery with AC adaptor	
5	Detectable range:	Elemental range from Ti and higher or better	
6	Testing modes:	Assay, Grade & Limit testing	
7	Data storage:	Internal data storage and expandable memory	
8	Software support:	USB data transfer and PC control software	
9	Live spectra:	Point and shoot live spectra on analyzer and optional PC software	
10	Usage:	Ideal for metals, alloys, soil e-scrape and industrial waste	
11	Support and warranty:	Authorized training, support and warranty for one year or more	

*Note: \*Mention Clearly whether it is complied with or Not complied with at column no.: 4, If the same is not mentioned clearly, the tender will be rejected.*

**Technical Bid Submission Form for VIBRATORY SIEVE SHAKER**

S. No.	Items	Specification / Description of items	*Statement of Compliance
(1)	(2)	(3)	(4)
1	Drive technology	Electromagnetic drive	
2	Measuring range	20 µm to 25mm	
3	Feed / batch capacity	Up to 3 Kg	
4	Digital amplitude setting	1-100 %	
5	Digital timer	1-99 minutes	
6	Suitable for wet sieving operation	Yes	
7	Suitable sieve diameter	100 – 203 mm	
8	Sieve stack	Standard sieve stack (203 x 50 mm)	
9	Sieve stack clamping device	Yes	
10	Collecting pan	Yes	
11	Support & Warranty	Authorized support and warranty for one year or more	
12	Optional test sieve rack	For 10 sieves including sieves.	

*Note: \*Mention Clearly whether it is complied with or Not complied with at column no.: 4, If the same is not mentioned clearly, the tender will be rejected.*



**Annexure – III**

**Financial Bid Submission Form for .....**

S. No.	Make	Model	Description of items	Unit Price quoted, Rs.	Taxes as applicable and #Other charges, if any	Total Amount, Rs.

*Note: Accessories, Additional features, Other charges, if any may be quoted individually.*

*# Particulars of Other charges may be mentioned clearly.*

## FORMAT FOR SUBMITTING TENDER

To

The Regional Director  
Central Pollution Control Board  
Nisarga Bhawan  
7<sup>th</sup> D Cross, Thimmaiah Road  
Shivanahalli  
Bengaluru – 560 079

Sir,

With reference to the tender invited by you for the supply of “.....” at The Regional Laboratory, Central Pollution Control Board, 'A' block, Nisarga Bhavan, 2<sup>nd</sup> Floor, 7<sup>th</sup> D Cross, Thimmaiah Road, Shivanagar, Bengaluru 560079. I/We do hereby offer to supply the item/s at the quoted rates mentioned in the financial bid. I/We have seen the website and read the conditions of tender, specifications and special clauses. I/We agree to supply the item/s in whole within fifteen days as specified in the tender. I/We understand that you are not bound to accept the lowest or any tender that is received by CPCB.

Yours faithfully,

Name of partners of the firm

Name of Bankers

Tenders submitted on .....