

**LETTER 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 “**Portable Spectrophotometer**” 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 .....





**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/AL/PSP18-19

04.02.2019

**Sub: Tender for supply of Portable Spectrophotometer**

Dear Sir/Madam,

1. The Regional Director (South), Central Pollution Control Board (CPCB), invites the Online tender in single stage two bid system for the supply of **Portable Spectrophotometer** along with all its accessories at Regional Laboratory, Central Pollution Control Board (CPCB), Regional Directorate (South), Bengaluru located at 'A' block, Nisarga Bhavan, 2<sup>nd</sup> Floor, 7<sup>th</sup> D Cross, Thimmaiah Road, Shivanagar, Bengaluru 560079.
2. The tender document could be downloaded from CPCB website [www.cpcb.nic.in](http://www.cpcb.nic.in) or Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>. 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 CPCB website [www.cpcb.nic.in](http://www.cpcb.nic.in) or Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>. 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 CPCB website [www.cpcb.nic.in](http://www.cpcb.nic.in) or Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app> till closing date of submission for any corrigendum/addendum/amendment.
5. The schedule of the tender process is given below

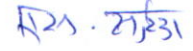
S.No	CDS- Details of Schedule	DD	MM	YY	Hr	Min
1.	Published Date	04	02	2019	17	00
2.	Bid Documents Down Load Starting Date	04	02	2019	17	00

3.	Bid Documents Submission Starting Date	04	02	2019	17	00
4.	Bid Documents Submission Ending Date	25	02	2019	17	00
5.	Bid Opening Date	27	02	2019	11	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 **Portable Spectrophotometer** along with all its accessories 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 Sh. S. Karthikeyan, Sc 'C' (Mob: 9243424389) 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)  
Regional Director

Encl: Annexure - I to III

Copy to:

1. Notice Board, CPCB, RD(S), Bengaluru - 560079
2. Incharge and AD, IT Division, CPCB, Delhi - with a kind request to upload the document in CPCB website & CPPP Portal, pl.

**Technical Specification for Portable Spectrophotometers**

Sl.No	Portable Spectrophotometers Specifications	Sources	Ranges
1.	Single beam with Auto Check	Lamp	Xenon Flash
2.	Wavelength	Range	330-900 nm
3.		Accuracy	$\pm 1$ nm
4.		Resolution	1 nm
5.		Bandwidth	4nm
6.	Scan Speed	455 nm/min resp. 7.6 nm/sec	
7.	Absorbance	Range	-3.3 to 3.3 Abs
8.	Photometric Resolution	0.5% of measurement value or 0.005 Abs at Extinction 2	
9.	Reproducibility	$\pm 0.002$ E @ 1 E (or better)	
10.	Accuracy	0.003 E for E < 0.600 E, 0.5%	
11.	Linearity	<1% up to 2.000 A at 340 - 900 nm	
12.	Stray Light	<0.1% at 340 and 408 nm	
13.	Cuvette Recognition	Automatically for all cuvette types: round 16mm 10, 20, 50 mm w/o adapter	
14.	Cuvette	6 nos	
15.	Measurement Modes	Concentration, absorbance, transmission, kinetics and spectra with absorbance, % transmission, multi-wavelength measurement	
16.	Display	Graphical display with backlight for enhanced	
17.	Internal Power backup	lithium-ion battery that can be used 5000 times in a period of 8 hours	

18.	Operating temperature	0 to 40°C (32 to 104°F) and RH upto 90%
19.	Power Supply	230V+ or – 5V
20.	Warranty	Onsite Comprehensive warranty for three years from the date of installation
21.	Calibration Certificate	From Accredited calibration laboratory with validity for one year
22.	CE Certificate	To be submitted
23.	Size & weight	Compact in size, handy, weight not more than 4 kgs and suitable for field monitoring.



## Technical Bid Submission Form for Portable Spectrophotometer

S. No.	Items	Specification / Description of items	*Statement of Compliance
(1)	(2)	(3)	(4)
1.	Single beam with Auto Check	Lamp - Xenon Flash	
2.	Wavelength Range	330-900 nm	
3.	Wavelength Accuracy	$\pm 1$ nm	
4.	Wavelength Resolution	1 nm	
5.	Wavelength Bandwidth	4nm	
6.	Scan Speed	455 nm/min resp. 7.6 nm/sec	
7.	Absorbance	Range -3.3 to 3.3	
8.	Photometric Resolution	0.5% of measurement value or 0.005 Abs at Extinction 2	
9.	Reproducibility	$\pm 0.002$ E @ 1 E (or better)	
10.	Accuracy	0.003 E for E < 0.600 E, 0.5%	
11.	Linearity	<1% up to 2.000 A at 340 - 900 nm	
12.	Stray Light	<0.1% at 340 and 408 nm	
13.	Cuvette Recognition	Automatically for all cuvette types: round 16mm 10, 20, 50 mm w/o adapter	
14.	Cuvette	6 nos	
15.	Measurement Modes	Concentration, absorbance, transmission, kinetics and spectra with absorbance, % transmission, multi-wavelength measurement	
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22.	CE Certificate	To be submitted	
23.	Size & weight	Compact in size, handy, weight not more than 4 kgs and suitable for field monitoring.	



## Financial Bid Submission Form for Portable Spectrophotometer

S. No.	Item	Make & Model	Description of items	Unit Price quoted, Rs.	Taxes as applicable and #Other charges, if any	Total Amount, Rs.
	<b>Portable Spectrophotometer</b>					
	<i>Accessories</i>					

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

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