

**NATIONAL CENTRE FOR SUSTAINABLE COASTAL
MANAGEMENT (NCSCM)
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE, GOVERNMENT OF INDIA, ANNA UNIVERSITY
CAMPUS, CHENNAI 600025, TAMIL NADU**

BID DOCUMENT

FOR

Supply, Installation/Commissioning of Flame Photometer

REF: 4/8/2018/Flame photometer-PROC-1

DT. 28/08/2018





NOTICE INVITING BID

1. Bids are invited from eligible Bidders (Manufacturers/ Authorized Dealers) interested to supply and installation of "Flame Photometer" to National Centre for Sustainable Coastal Management (NCSCM), Chennai as follows vide a contract with specific terms and conditions as prescribed -

Brief Description of the Goods	Specifications	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
<u>Flame Photometer</u>	Refer Annex – I	Refer Annex – I	30 – 45 days	NCSCM, Chennai	Yes

2-Interested Bidders can download the bid document containing detailed terms & conditions, scope and eligibility criteria from the office website: www.ncscm.res.in. The cost of the bid document is **Rs.NIL/-**.

3.Documents Establishing Bidder's Eligibility and Qualifications:

- 3.1 The Bidder shall furnish, as part of its quotation, following documents to establish the Bidder's eligibility to quote and its qualifications to perform the Contract if its quotation is accepted -
- Bidder is manufacturer/agent authorized by the manufacturer/Authorized dealer;
 - The legal status, place of registration, place of business of the company, or firm or partnership;
 - In case of manufacturer:
 - Details of Manufacturing unit;
 - Copy of Manufacturing license duly renewed up to date;
 - Copy of Capacity installation certificate;
 - In case of agent, Manufacturer's authorization to submit quotation on his behalf;
 - In case of authorized dealer, valid dealership certificate as on date of opening for the goods, for which quotation is being submitted;
 - Copy of Registration with Commercial Tax Authorities and TAN;
 - PAN with self attested copy of PAN; Satisfactory performance report from at least 2 clients in India or developed countries stating that he has supplied, installed and commissioned satisfactorily at least 100% of the quantity similar to the type specified in the "Schedule of Requirements" in any one of the past three financial years i.e. 2013 - 14 to 2015– 16, which must be in satisfactory operation for at least 12 months on the date of opening of quotations.

The bidders should furnish the above information along with prescribed format attached.(Attachment 1)

4. Bid Price

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.



- c) Sales tax in connection with the sale shall be shown separately.
- d) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- e) The Prices shall be quoted in Indian Rupees only.

5. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

6. Validity of Quotation

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

7. Evaluation of Quotations

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) Are properly signed;
 - (b) Conform to the terms and conditions, and specifications and
 - (c) Has submitted all the documents asked for in 3 above
- The Quotations would be evaluated for all the items together.

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

8. Documents Establishing Goods' Conformity to Bidding Documents

- a The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature or drawings or any other documentary proof.

9. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

9.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

9.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.

10. 100% payment shall be made after successful installation and acceptance of the goods.

11. Warranty/ guarantee as per technical specification sheet.



12. The bids (both technical and financial) must reach the office of the NCSCM, Chennai within due date and time (i.e. **17/09/2018 up to 5 P.M.**) in the prescribed format and manner. The Bidders shall seal the quotation. The envelope containing the quotation shall be addressed to the Purchaser at the following address:

The Director

National Centre for Sustainable Coastal Management
Ministry of Environment Forest & Climate Change (MoEF & CC)
Anna University Campus
Chennai – 600025

13. The Tender Document superseding "Do not open before **17/09/2018 on 05.00 PM** "

14. The envelopes shall also indicate the name and address of the Bidder to enable the quotation to be returned unopened in case it is declared "late". If the envelope is not sealed and marked as required by ITB Clause 13, the Purchaser will assume no responsibility for the Quotation's misplacement or premature opening. E-mail, cable or facsimile bids will be rejected

15. Electronic bidding is not permitted.

14. Bids received after due date and time shall be rejected.

We look forward to receiving your quotations and thank you for your interest in this project.


DIRECTOR
NCSCM




FORMAT OF QUOTATION *

Item No.	Description of the goods	Quantity	Unit	Quoted unit price for delivery up to destination	Unit Cost of Incidental Services (Rs)	Total Unit cost (Rs.) [Col(5+6)]		Amount (Rs.) [Col(3x7)]	Sales and other taxes payable
						In Figures	In words		
1	2	3	4	5	6	7	8	9	10

Gross Total Cost: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warranty/guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitors.

Signature of Supplier

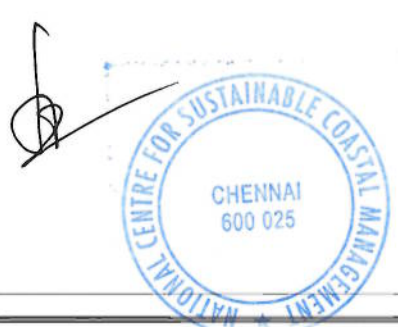
Attachment 1

Format of Performance Statement for the last three years to be submitted by the Bidder

IFQ No.....

Name of Bidder.....

Order placed by (Full address of Purchaser)	Order No. and date	Description and quantity of equipment ordered	Value of order (Rs.)	Date of completion of delivery As per contract/ Actual or revised	Quantity of supplies made as on date	Additional supplies to be made in the period of this contract	Remarks indicating reason for late delivery, if any	Has the equipment been satisfactorily functioning (Attach a certificate from the Purchaser)
1	2	3	4	5	6	7	8	9



Specifications for Flame Photometer

Flame Photometer for the analysis of Sodium (Na), Potassium (K), Calcium (Ca) and Lithium (Li) in the aqueous solutions

1. Range of Detection (without dilution)

Na	K	Ca	Li
5 – 100 ppm	1- 100 ppm	15 - 100 ppm	1 - 100 ppm

2. Minimum Detection limit

Na	K	Ca	Li
0.5 ppm	0.5 ppm	5 ppm	0.5 ppm

3. Accuracy	Better than 1% CV for 10 consecutive samples
4. Linearity	Better than 2%
5. Filters required:	Na, K, Li and Ca.
6. Flame System	LPG and Oil/Moisture free Air Adjustable Gas Flow
7. Aspiration	~ 5 ml for each sample and determination of all the four element in single aspiration
8. Averaging	5 to 15 seconds, selectable
9. Calibration	Multiple Calibration Curve Saving Facility, Curve Calibration Programmability using at least 5 standards, graphs and calibration curve shall be printable
10. Safety features	Auto gas cutoff Facility Auto flame Failure Detection Facility
11. Display	Suitable LCD display for result display
12. Compressor	Air compress with Air Filter with Pressure Regulator & Gauge to deliver stable and moisture / oil free air supply
13. Cylinder	Must be supplied with ~ 10 LPG gas cylinder with suitable regulator
14. Printer	Appropriate printer for printout of results (simultaneous or when recalled) Print out option for individual as well as batch samples Standard calibration graph printout
15 Other accessories	All necessary accessories to make the equipment functional such as Power cord, Operation and service Manual tec. Shall be quoted with the instrument
16. Power Supply	230 V AC
16 Warranty	3 years



