

भारत सरकार
जल संसाधन, नदी विकास
और गंगा संरक्षण मंत्रालय
केन्द्रीय जल आयोग
जल विज्ञान मंडल



Government of India
Ministry of Water Resources,
River Development & Ganga Rejuvenation
Central Water Commission
Hydrology Division

नीरवलम / NEERVALAM

सख्या.आर-81, टी. एन. एच. बी. कोलोनी / No. R-81, TNHB Colony,
पश्चिम वेलाचेरी, चेन्नै - 600042 / West Velachery, Chennai-600042.

दूर संचार / Phone फैक्स / Fax - 044-22554250
email: eecwcchennai@yahoo.co.in

Tender No. 10/HD/HQS/NIT/2017/ 5191-93

दिनांक/Date:

12-12-17

NOTICE INVITING BIDS / TENDER

CPWD-6

On behalf of the President of India, EXECUTIVE ENGINEER, HYDROLOGY DIVISION, CENTRAL WATER COMMISSION, "NEERVALAM", PLOT NO.81, TNHB COLONY, NEAR TELEPHONE EXCHANGE, WEST VELACHERY, CHENNAI - 600 042 invites sealed and super scribed item rate tenders from eligible firms for the supply of following equipments under single bid system.

Name of the work	:	Supply of Meteorological Equipments
Period of Delivery	:	45 Days
Estimated cost	:	Rs. 2, 30, 000/-
Earnest Money Deposit	:	Rs. 4600/-
Tender Fee	:	Rs. 500/-

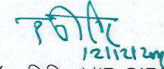
1. The Eligibility Criteria is as follows:

- The firm should have registered themselves under State / Central Government norms.
- The firm should produce valid PAN and GST number.
- Satisfactory certificate for the supply of similar equipments preferably from CWC / State / Central Government / PSU during the period 2014-17 shall be submitted.
- The firm should produce IMD certification for equipments wherever mandated.

The firm should enclose all documentary proof/evidence to substantiate the eligibility criteria given at a, b, c, d along with the tender.

- The tender must be delivered in the office of the Executive Engineer, Hydrology Division, CWC, Chennai, on or before 16:00 hrs on 21/12/2017 and must be accompanied by the EMD and Tender Fee as indicated above in the form of DD. The EMD & tender fee shall be drawn in favour of "Executive Engineer, Central Water Commission, Hydrology Division, payable at Chennai". The tenders can be downloaded from www.cwc.nic.in & www.eprocure.gov.in

3. Tenders received after the last date and time shall not be entertained. The tenders can be withdrawn before the close of sale of tender by sending a request. The withdrawn tenders shall be collected personally from the Executive Engineer.
4. Tenders will be opened in the presence of tenderers or their representatives who choose to attend at 16:30 hours on 21/12/2017 in the Office of the Executive Engineer, Hydrology Division, Central Water Commission, "Neervalam" , Plot No.81, TNHB Colony, Near Telephone Exchange, West Velachery, Chennai - 600 042.
5. The terms and conditions, specifications, schedule of quantities specified in this document forms the part of contract agreement.
6. Interested agencies may participate on the day of opening of tenders.
7. The Quantity may vary without any prior notice.



(र. गिरिधर)/(R.GIRIDHAR)

अधिशाली अभियंता/Executive Engineer

प्रतिलिपी/Copy to:

1. The Superintending Engineer, C&SRC, CWC, Bengaluru for kind information please.
2. The Accounts Branch, HD, CWC, Chennai. The expenditure is chargeable under the head 29:00:52 M & E Flood Forecasting – Capital Outlay on Flood Control Projects.


अधिशाली अभियंता/Executive Engineer

TERMS AND CONDITIONS

1. The competent authority on behalf of the President of India does not bind himself to accept the lowest or any other tender, and reserves its right to reject any or all of the tenders received without assigning any reason thereof. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
2. This Notice Inviting Tender shall form a part of the contract document. The successful bidder, on acceptance of his tender by the Accepting Authority shall sign the following documents (i.e.)
 - The Notice Inviting Tender
 - Terms and conditions
 - Schedule of work
 - CPWD-9
 - Security Deposit
3. **Amendment of Bidding Document :**

At any time prior to the deadline for submission of bids, the competent authority may amend bidding documents by issuing addendum. Any addendum thus issued, shall be part of the bidding document and shall be communicated in writing to all bidders of the bidding document. To give prospective bidders, reasonable time to take an addendum into account in preparing their bids, the competent authority shall extend as necessary the deadline for submission of bids.
4. **Language of the Bid :**

All documents relating to the bid/tender shall be in English language. Submission of a tender means that the tenderer has gone through all the terms and conditions, scope of item, specifications and other factors governing the supply of equipments.
5. **EMD :**

The bidder shall furnish as part of its bid an EMD of **Rs. 4600/- (Rupees Four Thousand and six hundred only)** in the form of DD from any scheduled bank. The EMD will be returned once supply order is awarded. The EMD may be forfeited in the following cases:

 - i) If a bidder withdraws his bid during the period of bid validity specified in the terms and conditions of the contract.
 - ii) If a bidder does not accept the correction of errors, (i.e If there is a discrepancy between unit cost and total cost, then unit cost will prevail. If there is a difference between words and figures, the amount in words will prevail).
 - iii) If a successful bidder fails to sign the contract or fails to deliver the items within the stipulated time given in the terms and conditions of the contract.

6. Security Deposit :

Security Deposit at 5% of the tendered amount will be deducted from the final bill. The amount shall be held by the department for a period of **twelve** months. After satisfactory performance of equipments during the period, the amount will be returned to the contractor. However, the period may extend beyond twelve months if the department wishes to do so.

7. Bid Prices:

- a) The bid shall be for the full quantity as described in the schedule of work, and corrections if any, shall be made by crossing out, initialling, dating and re writing.
- b) Rates quoted shall be inclusive of all charges like cost of materials, delivery, taxes and incidental expenses, if any payable.
- c) The rates quoted by the tenderers shall remain fixed till the supply of items and shall not be subject to adjustment on any account.
- d) No additional charges will be paid over and above the quoted rates of the Agency and the department shall also not pay any extra amount on any account.
- e) The rates shall be quoted in Indian Rupee only.
- f) When there is discrepancy between the rates in figures and words, the rate in words will prevail.
- g) When there is discrepancy between the unit rate and the total amount resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.

8. Bid Validity:

Bid shall remain valid for the period of 30 days from the date of bid opening. In exceptional circumstances prior of the original bid validity period, the Executive Engineer may request the bidders to extend the period of validity in a specified additional period. The request and the responses thereto shall be made in writing.

9. Corrupt and fraudulent practices:

- (a) Defines for purpose of these provisions, the terms set forth below as follows:-
 - (i) 'Corrupt practice' means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the contract execution, and
 - (ii) 'Fraudulent practice' means a misrepresentation of facts in order to influence the execution of a contract to the detriment of the employer, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid process at artificial non-competition levels and to deprive the Executive Engineer of the benefits of free and open competition.
- (b) Will reject a proposal for award of work if he determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for contract in question.

10. Clarification of Bidding Documents:

To assist in the examination, evaluation and comparison of bids, the Executive Engineer may at its discretion, ask any bidder for clarification of its bid. The request for clarification and the response shall be in writing, but no change in the price or substance of the bid shall be sought or offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Executive Engineer in the evaluation of the bids.

11. Examination of Bids and Determination of Responsiveness:

A substantially responsive bid is one that confirms to all the terms and conditions of the bidding document without material deviation or reservation. A material deviation or reservation is one which affects in any substantial way the scope, quality or performance of the equipment and which limits in any substantial way inconsistent with the bidding documents, the Executive Engineer's rights or the bidder's obligations under the contract, or whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

If a bid is not substantially responsive, it will be rejected by the Executive Engineer and may not subsequently be made responsive by correction or withdrawal and the non-confirming deviations or reservations.

Specifications of all equipments shall be adhered strictly. Necessary manuals shall be submitted along with the tender for technical evaluation of the tender. The firms that have satisfactorily submitted all eligibility documents, EMD, tender fee, specifications manual will be considered for financial evaluation.

12. Notification of Award :

The bidder whose bid has been accepted will be notified of the award of supply by the Executive Engineer prior to expiration of the Bid validity period. This letter of acceptance will state the sum that the Executive Engineer will pay the company in consideration of the equipments.

13. Payment Terms:

No intermediate payment shall be made for the supply. The payment will be made after supply of all items to the satisfaction of the Executive Engineer or his authorized representative.

14. Penalty Clause:

Upon receipt of notification of defect in the performance of equipment during the period of 12 months, if contractor fails to take immediate corrective measures to rectify the defect, a penalty as decided by SE(C&SRC), CWC, Bengaluru subject to a maximum of 5% of order value, shall be applied for unsatisfactory performance of equipments.

15. Delay in Supply of Equipments :

If the tenderer fails to supply the equipments within the period specified in the contract, the Executive Engineer shall, without prejudice to its other remedies under the contract, deduct from the bill, a sum equivalent to 5% of order value or security deposit. The authority to decide delay in supply will be the Executive Engineer.

16. Termination for default :

The Undersigned, without prejudice to any other remedy for breach of contract by, written notes of default sent to the tenderer, may terminate this contract in whole or in part if,

- a) The tenderer fails to supply the equipments within the period specified in the contract, or within any extension thereof granted by the department.
- b) The tenderer fails to perform any other obligation under the contract.
- c) The tenderer, in the judgement of the department has engaged in corrupt or fraudulent practice in competing for or in executing the contract.

17. Termination for insolvency :

The Undersigned may at any time terminate the contract by giving written notice to the tenderer if the latter becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the tenderer, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the undersigned.

18. Taxes and duties :


The tenderer shall be entirely responsible for all taxes, duties etc. incurred and no separate charges can be claimed by the tenderer.

19. Warranty Support :

The successful firm shall provide all necessary sales and support services upon request by the department during the warranty period of **1 year**. Any defect during the warranty period shall be attended by the firm free of cost.

20. Exemption:

Companies registered under NSIC with valid certificate will be exempted from paying EMD & Tender Fee.


12/12/2017
अधिकासी अभियंता/Executive Engineer

SCHEDULES

SCHEDULE 'A'	:	Applicable (enclosed)
SCHEDULE 'B'	:	Not Applicable
SCHEDULE 'C'	:	Not Applicable
SCHEDULE 'D'	:	Not Applicable
SCHEDULE 'E'	:	Applicable
SCHEDULE 'F'	:	Applicable

SCHEDULE 'E' : **Reference to general conditions of the work**

Name of the work	:	Supply of Meteorological Equipments to Hydrology Division, CWC, Chennai
Estimated Cost	:	Rs. 2,30,000/-
EMD @ 2%	:	Rs. 4600/- (refundable)
Security Deposit	:	5% of Contract Value.

SCHEDULE 'F'

Office Inviting Tender	:	Executive Engineer, Hydrology Division, Central Water Commission, Plot No R-81, TNHB colony, West Velachery, Chennai – 600042.
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Definitions:

Engineer-in-charge	:	Assistant Director-II, HD, CWC, Chennai
Accepting Authority	:	Executive Engineer, Hydrology Division, CWC, Chennai
Department	:	Central Water Commission
Clause 1	:	Applicable
Clause 2	:	
Authority for fixing compensation	:	Superintending Engineer, C&SRC, CWC, Bengaluru
Clause 3	:	
Authority for determination of tender	:	Executive Engineer, HD, CWC, Chennai
Clause 3A	:	Applicable
Clause 5	:	Applicable (period of supply – ⁴⁵ days)
Clause 11	:	Applicable (specifications enclosed)
Clause 16	:	Applicable

Note: All other clauses are not applicable.

SPECIFICATIONS

1. Pan Evaporimeter:

- Purpose - Estimation of evaporation from the surface
- The pan shall comply with IS 5973 - 1970.
- Pan size 1.22 x 0.255 m (diameter x height)
- accuracy of reading 0.1 mm
- pan evaporimeter copper sheet of thickness 1.0 ± 0.1 mm point gauge and still well brass

Measuring cylinder

- material - clean cast seamless acrylic plastic tubing or brass sheet
- bottom plate - acrylic plastic sheet
- thermometer clamp - brass
- platform - rot resistant timber treated with creosote or other effective wood preservative
- inner diameter 122 mm
- graduation in cm.
- IMD certification mandatory.

2. Wind Vane:

- Purpose - The wind vane will be used as a visual aid to indicate wind direction.
- The instrument shall be of such a design that it operates reliably and accurately under the prevailing environmental and weather conditions.
- The instrument shall be easy to operate and maintain.
- The instrument shall be supplied with the accessories as needed for effective deployment.
- All materials on the instrument exterior shall be non-corrosive.
- The instrument shall have an expected technical lifetime of not less than 10 years.
- The instrument shall be capable to operate for at least 6 months without any servicing.
- An operator's manual, related to the type and model of the instrument, shall be part of the delivery.
- When the complete instrument on final assembly is held firm at bottom and the balance weight imparted an impact by a hammer with a mass of 0.72 kg and having a handle length of 240 mm, it shall make not less than five and not more than ten complete revolutions.
- The general arrangement and main dimensions of wind vane shall comply with IS 5799-1970.
- pointer counter balanced
- direction arms 8, with direction letters for N, E, S, W
- mounting materials aluminium (ring for direction arm, arm support & horizontal arm)
- fin & bearing housing cap aluminium alloy
- spindle brass
- direction letters galvanized steel painted red
- IMD certification mandatory

3. Maximum & Minimum Thermometer:

- The Maximum & Minimum Thermometer should be housed in a single unit of "U Type"
- The brand of maximum & minimum thermometer shall be "ZEAL" only
- Maximum range - Mercury-in-glass, from -35°C to $+55^{\circ}\text{C}$
- Minimum range: Mercury-in-glass from -40°C to $+50^{\circ}\text{C}$
- IMD certification not mandatory

4. Standard Rain Gauge:

- Purpose - The rain gauge will be used to collect precipitation in a recipient for quantitative measurement.
- The rain gauge shall be of such a design that it operates reliably and accurately under the prevailing environmental and weather conditions.
- The rain gauge shall be easy to operate and maintain.
- The rain gauge shall be supplied with the accessories as needed for effective deployment.
- All materials on the rain gauge shall be non-corrosive.
- The locking ring shall be of rigid plastic
- The rain gauge shall have smooth and permanent surface finish to minimize evaporation losses.
- The minimum expected lifetime in open field shall be 15 years.
- All openings of the rain gauge shall be covered with stainless steel net to protect against any insects entering inside.
- The rain gauge shall comply with IS 5225-1992
- collecting area 200 cm²
- Inner Diameter of rim 159.6 mm
- collecting bottle 2 litres
- nominal capacity 100 mm
- rain measure jar for 10 mm rainfall, graduation etc. according to IS 5225-1992
- base and collector preferably FRP
- rim of collector aluminium or gun metal
- collecting bottles of 4 litres for 200 cm² collector
- IMD certification mandatory.

5. Rainfall Measuring Jar:

- Rainfall measuring jar of 200 cm² compatible to standard rain gauge with graduations in cm.

SCHEDULE A – BILL OF QUANTITIES

S.No	Description of Item	Qty	Unit	Rate (Rs.)	IMD charges	Amount (Rs.)
1.	Pan Evaporimeter with accessories	03	Nos			
2.	Wind Vane with accessories	03	Nos			
3.	Maximum & Minimum Thermometer Make: Zeal	15	Nos		N.A	
4.	Standard Rain Gauge with accessories	04	Nos			
5.	Rainfall Measuring Jar 200cm ²	10	Nos		N.A	
	Sub Total					
	GST @					
	Total					