



SINGLE E-TENDER ENQUIRY

(Through E-tendering process only)

To

M/s. Aanderaa Data Instruments AS

Sanddalsringen 5B, P.O. Box 103, Midtun

5843 Bergen, Norway

Tel ++47 55 60 48 00 Fax 47 55 60 48 01

Email: aadi.info@xyleminc.com

Ref No: MoES/NCCR/ESM/Procurement/8/2018

dated. 21.05.2019

1	The offers are invited for supply of Current Meter - Qty. 6 Nos. as per the description of technical specifications in Annexure-I and also terms and conditions mentioned below:	
2	Quantity	6 Nos. each
3	Type of tender	SINGLE TENDER (e-Tender)
4	Tender document	Available at the websites : i) https://eprocure.gov.in/eprocure/app ii) http://www.nccr.gov.in
5	Mode of tender	Online Bidding System pl. submit through the website https://eprocure.gov.in/eprocure/app
6	EMD	Nil
7	Tender	Nil
8	Due date & time of submission of required documents offline at NCCR, Chennai	Upto 5 pm IST of 21.06.2019
9	Due date & time of online bidding by bidders	Upto 5 pm IST of 21.06.2019
10	Due date & time of opening of Part-I offer on-line i.e., techno-commercial bid	At 5 pm IST of 24.06.2019
11	Due date and time of opening of price bid	Intimated through online
12	Specification of the item	Annexure-I
13	Instructions to bidders	Annexure-II


Head of Office

रा.स.प्रौ.सं. परिसर, वेलच्चेरी तांबरम मेन रोड, पल्लिकरणै, चेन्नै-600 100.

NIOT Campus ,Velachery-Tambaram Main Road, Pallikaranai, Chennai-600 100.

दूरभाष/Tel : 91-44-66783599 Fax: 66783487

TECHNICAL SPECIFICATIONS

Specifications for Current meter: Qty: 6 Nos.

S No.	Specifications
1	Current Meters capable of self recording of water current speed, current direction, water temperature at insitu point of sea water column, with post-processing software and direct downloading from the instrument. Provision of mounting other sensors like turbidity, pressure, oxygen, conductivity.
2	Current speed and direction measurements in a water column shall be based on multi-frequency Doppler current sensor. The Doppler current sensor shall incorporate a electronic compass and a tilt sensor
3	Facility to configure the instrument and sensors and also to copy the configuration file from one instrument to the other
4	Calibration information shall be stored in sensor. Flexible to add additional sensors for recording.
5	Depth of Operation in coastal and marine waters is 0 to 300 m
6	Current speed Sensor: Range: 0 – 200 cm/s; Accuracy:±0.5cm/s; Resolution: 0.2mm/s
7	Current direction Sensor: Range: 0 – 360°; Accuracy:±6° ; Resolution: 0.02°
8	Pressure Sensor: Range: 0 to 200m; Accuracy:0.03° FSO(or)better; Resolution: 0.002% FSO(or)better
9	Temperature Sensor: Range: 0 to 35°C or better; Accuracy:± 0.1°C or better; Resolution: 0.01°C or better
10	Conductivity Sensor Range: 0 – 60ms/cm ; Accuracy:± 2%; Resolution: 0.1 mg/l
11	Oxygen sensor (Optode type) Range: 0 – 20 mg/l; Accuracy: ±2% or better; Resolution: ±2% or better
12	Turbidity sensor Range: 0-500 FTU/NTU; Accuracy: ±3% or better; Resolution: 0.01% or better
13	All the sensors must be inbuilt in a single housing including battery and data storage
14	Data storage capacity shall be up to 6 months. data logging at user specified sampling interval (minimum 10 min)
15	Capability: Rugged in design and capable of operation in rough marine environmental conditions
16	Suitable mooring frame, for mooring the current meter at a ocean depth of 5 to 300m. Two types of mooring frames i.e., 1) Non-magnetic Mooring frame in water column and 2) Non-magnetic bottom frame to Moore at sea bottom shall be supplied
17	Capability of both Internal and External battery power supply. Battery life for continuous operation for a maximum period of 6 months
18	Windows based software to download the data and its processing with necessary calibration inputs
19	Rugged carry case suitable for field transportation
20	Accessories like spare batteries-2nos; o-rings - 2nos; protecting case for field deployment, Maintenance kit, toolkit, AC/DC adopter etc to be supplied
21	Calibration certificates of all the sensors to be provided
22	Warranty: one year from the date of acceptance of current meters at NCCR, Chennai
23	AMC (optional): Details of AMC after warranty period, if any, may be indicated

Instructions to Bidders

1	<p>BASIC REQUIREMENTS for vendors to upload in e-procurement web site, Govt of India:</p> <ul style="list-style-type: none">i. PC with internetii. Registration with e-procurement system of Govt. of India: https:// eprocure.gov.in /eprocure/appiii. Digital signature certificate (Mandatory) for uploading the bids to e-procurement systemiv. For any clarification, send e-mail to nccr@nccr.gov.inv. For any clarification on tender process, use the 24/7 helpline contact numbers mentioned in CPP Website.
2	The NCCR has the RIGHT TO CANCEL the enquiry or extend the due date of receipt of offer and/ or opening of tender without assigning any reason thereof.
3	NCCR, Chennai has the RIGHT TO VARY the quantity of the items under procurement.
4	<p>TWO BID SYSTEM</p> <p>A. Online Technical bid</p> <p>B. Online price bid</p> <p>A. TECHNICAL BID: The bidder should submit the scanned copy for online submission and the same original hard copy of all the following documents as part of the Technical Bid in the stipulated format. The cover containing the necessary technical bid documents should be superscribed by "Tender Ref No: MoES/NCCR/ESM/Procurement/8/2018 Part I Technical BID for "Current Meter"".</p> <p>Manual submission of technical bid documents along with the relevant documents should be submitted to NCCR, on or before the due date of online e-tender submission (i.e on or before 21.06.2019, 05:00 hrs Indian standard time). Please note that the PRICE BID should be submitted through ONLINE ONLY.</p> <p>B.ONLINE SUBMISSION: The bidders must submit their offer in Two Bid (Both Technical and Price bid) through e-procurement system upto the scheduled time and date.</p> <p>Complete tender documents along with supporting documents as per the tender conditions below, should be duly filled in and signed in and scanned copy of the same should be uploaded in the e-procurement system.</p> <ul style="list-style-type: none">i. All the documents, as per Eligibility criteria/ technical specificationsii. List of the documents submitted by the bidder must be enclosed on the letter head

	<p>of the bidder, giving the reference of the tender no. & date and due date of opening.</p> <p>iii. A list of reputed clients to whom the firm has supplied similar items to be furnished along with the quotation.</p> <p>iv. Overwriting and corrections should be attested properly,. The quotation should be complete in all aspects and should be duly signed. Incomplete and unsigned quotation will not be considered at all.</p> <p>v. Scanned copy of Tender Acceptance Letter as per ANNEXURE-III</p> <p>vi. Scanned copy of Technical Compliance Sheet as per ANNEXURE-IV</p> <p>vii. Scanned copy of details of Components and Products of the required item as per ANNEXURE - V</p> <p>viii. Check list as per ANNEXURE - VI - "Check List"</p> <p>ix. In case tenderer divert the tender and opts to submit its offer through their authorized entity, then authorization letter in original duly signed for specific tender should be submitted along their by the firm quoting on their behalf.</p> <p>x. The bidders / tenders will not be allowed to make any variations in the price bid or any amendments to commercial offers already uploaded online and after the date of opening of the tender.</p> <p>xi. Tenderer shall confirm that "the rates quoted by are reasonable and lowest charged to any of your customer". Please enclose documentary proof such as latest purchase order copies etc., to substantiate the reasonability of price.</p> <p>xii. Safe arrival of material upto destination shall be the responsibility of the supplier</p>
5	VALIDITY OF QUOTATION: The offers must remain open for acceptance for 180 days from the date of opening of tender.
6	<p>EVALUATION OF BIDS:</p> <p>After opening of bids, ranking statement will be prepared and the finalization of successful bidder will be done on L-1 (the lowest price) basis.</p>
7	Director, NCCR reserves the RIGHT TO REJECT any quotation received without assigning any reasons.
8	DELIVERY PERIOD: The bidders are required to quote delivery period at the earliest indicating commencement and completion of supply on FOR destination basis. However in case extension of delivery period becomes essential, the supplier will send their request for extension of delivery period to the purchaser before expiry of delivery period.
9	LIQUIDATED DAMAGES: If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries and for delays in installation (whatever applicable) NCCR reserves the right to levy liquidated damages at the rate of 0.5%per week or par their upto maximum of 5%.
10	NO ADVANCE PAYMENT: Since NCCR being Government organization, no advance payment will be made. Every attempt will be made to make payment within 30 days from the date of receipt of bill/acceptance of goods, whichever is later.

Tender Acceptance (Offer) Letter

(To be submitted online duly signed format (scanned copy) by the authorized signatory on bidder's company letter head.

Date.....

To

**The Director
NCCR (Formerly- ICMAM Project Directorate)
2nd Floor, NIOT Campus
Pallikaranai, Chennai – 600100**

Subject: Acceptance in respect of terms and conditions of tender document for supply of _____ (specify item name) at NCCR, Chennai.

Ref: E Proc Tender Ref No..... dated.....

Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned tender from the web site <https://eprocure.gov.in/eprocure/app>.
2. I / We hereby certify that I / We have read all the terms and conditions of tender document from page No. _____ to _____ (including all annexure / Forms / appendixes, paras, etc.,) which shall part of the contract agreement and I / we shall abide hereby by all the terms and conditions contained therein.
3. The corrigendum(s) issued from time to time by your organization has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept all the terms and conditions of above mentioned tender document and corrigendum(s) as applicable.
5. In case any provisions of this letter are found violated, then your department / organization shall without prejudice to any other right or remedy be at liberty to reject my bid.
6. I / We confirm that our bid shall be valid up to 120 days from the date of opening of Bid.
7. I / We hereby certify that all the statements made and information supplied in the enclosed appendix, annexure / Forms / paras etc., furnished herewith are true and correct.
- 8/ I / We have furnished all information and details necessary for demonstrating our qualification and have no further prominent information to supply.
9. I / We understand that you are not bound to accept the lowest or any bid you may receive.
10. I / We certify / confirm that we comply with the eligibility requirements as per bid documents.
11. In case any provisions of this tender are found violated, NCCR shall be at liberty to reject this tender and we shall not have any claim against NCCR in satisfaction of this condition.

Yours faithfully,

**Signature of the Bidder
Name & Designation
Rubber-stamp of the firm**

Annexure - IV**ITEM: CURRENT METER****Qty: 6 Nos.****MAKE**_____**MODEL**_____

S No.	Specifications	Compliance Yes/No
1	Current Meters capable of self recording of water current speed, current direction, water temperature at insitu point of sea water column, with post-processing software and direct downloading from the instrument. Provision of mounting other sensors like turbidity, pressure, oxygen, conductivity.	
2	Current speed and direction measurements in a water column shall be based on multi-frequency Doppler current sensor. The Doppler current sensor shall incorporate a electronic compass and a tilt sensor	
3	Facility to configure the instrument and sensors and also to copy the configuration file from one instrument to the other	
4	Calibration information shall be stored in sensor. Flexible to add additional sensors for recording.	
5	Depth of Operation in coastal and marine waters is 0 to 300 m	
6	Current speed Sensor: Range: 0 – 200 cm/s; Accuracy:±0.5cm/s; Resolution: 0.2mm/s	
7	Current direction Sensor: Range: 0 – 360°; Accuracy:±6° ; Resolution: 0.02°	
8	Pressure Sensor: Range: 0 to 200m; Accuracy:0.03° FSO(or)better; Resolution: 0.002% FSO(or)better	
9	Temperature Sensor: Range: 0 to 35°C or better; Accuracy:± 0.1°C or better; Resolution: 0.01°C or better	
10	Conductivity Sensor Range: 0 – 60ms/cm ; Accuracy:± 2%; Resolution: 0.1 mg/l	
11	Oxygen sensor (Optode type) Range: 0 – 20 mg/l; Accuracy: ±2% or better; Resolution: ±2% or better	
12	Turbidity sensor Range: 0-500 FTU/NTU; Accuracy: ±3% or better; Resolution: 0.01% or better	
13	All the sensors must be inbuilt in a single housing including battery and data storage	

14	Data storage capacity shall be up to 6 months. data logging at user specified sampling interval (minimum 10 min)	
15	Capability: Rugged in design and capable of operation in rough marine environmental conditions	
16	Suitable mooring frame, for mooring the current meter at a ocean depth of 5 to 300m. Two types of mooring frames i.e., 1) Non-magnetic Mooring frame in water column and 2) Non-magnetic bottom frame to Moored at sea bottom shall be supplied	
17	Capability of both Internal and External battery power supply. Battery life for continuous operation for a maximum period of 6 months	
18	Windows based software to download the data and its processing with necessary calibration inputs	
19	Rugged carry case suitable for field transportation	
20	Accessories like spare batteries-2nos; o-rings - 2nos; protecting case for field deployment, Maintenance kit, toolkit, AC/DC adapter etc to be supplied	
21	Calibration certificates of all the sensors to be provided	
22	Warranty: one year from the date of acceptance of current meters at NCCR, Chennai	
23	AMC (optional): Details of AMC after warranty period, if any, may be indicated	

Signature of the Bidder

Name:

Designation:

Rubber-stamp of the firm

Annexure - V

Components and Products

(In response to technical requirement kindly fill up the details of component & products pertaining to the item requirement, in the following format).

Sl.No	Brand Name and Name of the OEM	Product name of Proposed Model	Quantity	Remarks

Signature of the Bidder
Name & Designation:
Rubber-stamp of the firm

Annexure-VI**Check List**

(Following documents are to be submitted online as a part of Technical bid. Bidders are requested to put a ✓ mark for ensuring submission of document in the appropriate one)

Sl. No	Description	Online submission	Manual submission
1	Duly signed price bid along with standard terms & conditions.	Submitted / Not Submitted	-
2	Authorisation letter by OEM (original scanned copy by online & Manual submission) for participating this tender	Submitted / Not Submitted	Submitted / Not Submitted
3	Tender Acceptance Letter by online & Manual submission	Submitted / Not Submitted	Submitted / Not Submitted
4	Details of Products and Components as per Appendix -v	Submitted / Not Submitted	Submitted / Not Submitted
5	Technical Compliance sheet as per Appendix -iv	Submitted / Not Submitted	Submitted / Not Submitted
6	Any other relevant document / Product broacher (scanned copy by online)	Submitted / Not Submitted	Submitted / Not Submitted
7	This Check list Annexure-VI (scanned copy by online & Manual submission)	Submitted / Not Submitted	Submitted / Not Submitted

Signature of the Bidder
Name & Designation
Rubber-stamp of the firm