



**NATIONAL CENTRE FOR EARTH SCIENCE STUDIES**  
 (An Institution under the Ministry of Earth Sciences, Govt. of India)  
 P.B. No. 7250, Akkulam, Thiruvananthapuram-695 011, Kerala.  
**PURCHASE DIVISION**

**Our Ref : PUR-PROC/80/2021-PUR-NCESS**  
 (To be quoted in all correspondence)

**Dt. 26.07.2021**

Phone : ( 0471) 2511531  
 FAX: (0471) 2442280  
 E-mail: [purchase@ncess.gov.in](mailto:purchase@ncess.gov.in)  
[ncesspurchase@gmail.com](mailto:ncesspurchase@gmail.com)  
 website : [ncess.gov.in](http://ncess.gov.in)

**Sub: e-Procurement Tender**

Dear Sirs,

Please send your offer along with descriptive catalogue/ pamphlet for the following items not later than **28.08.2021 on 06.00 PM (Tender Opening at 11.00 A.M on 30.08.2021.)**. The terms and conditions governing the tender are given at the bottom.

Sl. No	Specification	Qty. Reqd
1	<b>Water Electrical Conductivity and Temperature Logger/Probe</b>  <i>Detailed Technical Specifications given as annex</i>	<b>7 Nos.</b>

**INSTRUCTIONS TO THE TENDERERS AND TERMS AND CONDITIONS**

- The quotation should be submitted by e-procurement in PDF format by 'logging on' in the website [eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app). The total file size of the documents submitted should not exceed 20 MB.
- In place of a Bid security, the bidders must sign a Bid securing declaration along with the bid saying that "We accept that if we withdraw or modify our Bids during the period of validity, or if we are awarded the contract and we fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, we will be suspended for the period of time decided by NCESS from being eligible to submit bids for contracts with NCESS". **The bids without this declaration or Udyog Aadhar Memorandum /NSIC will be rejected.**
- The material should be delivered at NCESS or installed at the specified location and so the quotation should include all the charges for the delivery at NCESS/installation.
- The quoted amount is inclusive of tax. We are eligible for tax at concessional rate through DSIR registration and its certificates will be provided in our formats.
- In INR orders, the Customs Duty Exemption Certificate will be given to the supplier upon request. But the entire responsibility of customs clearance and delivery at NCESS will rest with the supplier. High sea sale is not accepted and should not be quoted.
- The bid should contain the Bid securing declaration, Authorization from manufacturer, Details of Service Centre, Technical details with make, model and specification of each component, Technical Compliance statement, List of Customers, Brochures etc., wherever applicable.
- The offer should be valid for 120 days from the due date of opening of tender.
- The Purchaser reserves right to accept any tender in part or full without assigning any reasons. The enquiry is not a commitment and the purchaser reserves the right to reject or cancel any or all offers.
- Catalogue/Brochure/Manual should be submitted along with the offer wherever necessary.
- Warranty / Guarantee Clause needs to be mentioned necessarily wherever applicable. The warranty should start from the date of installation.
- The purchase will be made on credit basis and the payment will be made after supply and acceptance, by bank transfer.**

12. In the event of placement of order, supplier / Indian agent shall provide a Performance Bank guarantee for 10% of the order value valid for warranty period + 60 days before the payment.
13. Any further changes in the details, like the date of opening or specification, will be posted on our web site only.

Yours faithfully,

Sd/-

Deputy Manager (Purchase)

**Annex:**  
**Detailed Technical Specifications**

**Water Electrical Conductivity and Temperature Logger/Probe**

1. Logger setup should be able to measure and store electrical conductivity (EC) and temperature of river water/Ground water/rain water continuously.
2. Logger should have proven quality, precision and reliability for continuous underwater measurements.
3. Logger should have conductivity measurement range 0 to 5000  $\mu\text{S}/\text{cm}$  (or broader), accuracy of  $\pm 1\%$  of reading (or better) and resolution of 0.1  $\mu\text{S}/\text{cm}$  (or better).
4. Logger should have temperature measurement range between 0 to 50 Deg Celsius, accuracy of  $\pm 0.1$  Deg Celsius (or better), and resolution of 0.01 Deg Celsius (or better).
5. Logger should be compact in size, having diameter less than 5 cm, length lesser than 60 cm and weight less than 1.5 kg or similar.
6. Conductivity and Temp sensor must have sampling rate of once in every one minute (or better), and should have adjustable sampling rates depending upon application.
7. Logger should have Integrated battery for monitoring, storing, and transferring of data and should have sufficient storage to record atleast 1,00,000 (or greater) records continuously.
8. Logger should able to operate accurately upto 50-meter depth of water.
9. Logger setup should have Bluetooth based/Application Based onsite wireless data transfer (or similar) mechanism from logger to Mobile/laptop.
10. Logger should be properly pre-calibrated with respect to conductivity and temperature measurement ranges and sensor/probe should be easy to clean and corrosion resistant.

**(b) General Conditions**

1. Entire setup must have warranty for the period of atleast one year.
2. Quote should include cost of additional two-year warranty (AMC), cost of logger installation and its accessories (protective housing, cable etc. whichever applicable) must be included, and necessary support for regular maintenance, calibration and validation of logger must be provided.
3. Logger should be installed in protective housing such that it is firmly positioned at sampling location free from drift and damage, necessary arrangement must be made for smooth removal of logger (for cleaning and maintenance) during installation.
4. All necessary software/algorithm/ should be provided for retrieval, visualization and exporting Collected data in spreadsheet and ASCII Formats.
5. All necessary tools/cable/connections/utilities required for the entire setup should be provided, any other additional spares anticipated should also be mentioned along with the quote.

**(c) Terms and Conditions**

1. The detailed specification of the product along with pictures/diagrams, list of similar items being installed within India and/or outside India should be provided along with the quote.
2. The quoted costs should include the cost of packing, forwarding, freight, insurance and installation charges, whichever is applicable.
3. The offer should be submitted only by manufacturer or their exclusive agent with certificate of exclusivity.
4. The specifications mentioned below are most preferred & any deviation or equivalent configuration shall be mentioned in the technical compliance statement.
5. On site installation, Training must be given for the instrument application. Cost of all accessories required for instrument application should be included in the quote.

**1. Technical Compliance Statement.**

<b>Required Specification</b>	<b>Specification Offered with make and model</b>	<b>Whether complied</b>
<p><b>1 Water Electrical Conductivity and Temperature Logger/Probe 7 Nos.</b></p> <p>1. Logger setup should be able to measure and store electrical conductivity (EC) and temperature of river water/Ground water/rain water continuously.</p> <p>2. Logger should have proven quality, precision and reliability for continuous underwater measurements.</p> <p>3. Logger should have conductivity measurement range 0 to 5000 <math>\mu\text{S}/\text{cm}</math> (or broader), accuracy of +/- 1% of reading (or better) and resolution of 0.1 <math>\mu\text{S}/\text{cm}</math> (or better).</p> <p>4. Logger should have temperature measurement range between 0 to 50 Deg Celsius, accuracy of +/- 0.1 Deg Celsius (or better), and resolution of 0.01 Deg Celsius (or better).</p> <p>5. Logger should be compact in size, having diameter less than 5 cm, length lesser than 60 cm and weight less than 1.5 kg or similar.</p> <p>6. Conductivity and Temp sensor must have sampling rate of once in every one minute (or better), and should have adjustable sampling rates depending upon application.</p> <p>7. Logger should have Integrated battery for monitoring, storing, and transferring of data and should have sufficient storage to record atleast 1,00,000 (or greater) records continuously.</p> <p>8. Logger should able to operate accurately upto 50-meter depth of water.</p> <p>9. Logger setup should have Bluetooth based/Application Based onsite wireless data transfer (or similar) mechanism from logger to Mobile/laptop.</p> <p>10. Logger should be properly pre-calibrated with respect to conductivity and temperature measurement ranges and sensor/probe should be easy to clean and corrosion resistant.</p> <p><b>(b) General Conditions</b></p> <p>1. Entire setup must have warranty for the period of atleast one year.</p> <p>2. Quote should include cost of additional two-year warranty (AMC), cost of logger installation and its accessories (protective housing, cable etc. whichever</p>		

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