

Office of the Dean Research and Consultancy
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103

Project Code: DRC/DST-WB/IT/IB/004/18-19

Department of Information Technology
Indian Institute of Engineering Science and Technology, Shibpur,
Howrah-711 103

Ref.: Tender Advt. No. IT 1445, published in the "Statesman (All Edition)", dated
21.12.2018

Notice Inviting Quotations

Sealed quotations are invited for the supply of ***Subaquatic Drowning Management System*** as per the following technical specification. The relevant bidding document can be downloaded from the website. The document can be also obtained from the Department of Information Technology (contact : Dr. Indrajit Banerjee) between 10.30 a.m. and 3.00 p.m. on all working days **from 20th December, 2018 to 27th December, 2018**. Last date of submission of sealed quotation is **within 7 days from the date of advertisement.**

Dean (R & C)

(A. Code DRC-T058/18-19)

This is downloadable

**INDIAN INSTITUTE OF ENGINEERING SCIENCE AND
TECHNOLOGY, SHIBPUR**



BIDDING DOCUMENT

(Project Code: DRC/DST-WB/IT/IB/004/18-19)

Ref.: Tender Advt. No. IT 1445, published in the "Statesman (All Edition)", dated
21.12.2018

For Supply of

Subaquatic Drowning Management System

Under

DST Project Scheme
Govt. of India (New Delhi)

Department of Information Technology

December 20, 2018

**SECTION I: TERMS & CONDITIONS AND IMPORTANT INSTRUCTIONS
FOR BIDDERS**

1. Bidders are to invited to submit sealed quotation as per the technical specifications for tendered item to Dr. Indrajit Banerjee, Assistant Professor, Department of Information Technology, **within 7 days from the date of advertisement** except Saturday, Sunday and other public holidays.
2. The last date of receipt of tenders is **within 7 days from the date of advertisement** quotations received later will not be entertained under any circumstances.
3. Date and time of opening of bid is **after 7th day from the date of advertisement at 11.00 a.m.** and the place of opening of bid is office Room of the Department of Information Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.
4. Bidders are to submit the quotations in Sealed Cover to the Department of Information Technology in the following address:

**Dr. Indrajit Banerjee
Assistant Professor
Department of Information Technology
Indian Institute of Engineering Science and Technology,
Howrah-711103, India**

5. All bids should be submitted in ONE-BID (TECHNO-COMMERCIAL BID) Format in covers (Enquiry Number must be mentioned on cover).

TECHNO-COMMERCIAL BID - giving Detailed Specifications, International Standards (BIS/INTERNATIONAL), Catalogues, List of users & Technical Details / Operating Parameters, Pre-Installation Requirements, payment terms, warranty, etc. along with PRICE BID - giving full Prices in Indian Rupees (only) for

- (a) Tendered item.
 - (b) Essential Accessories & Spares.
6. The price quoted should be inclusive of all Taxes, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated.
 7. The materials are to be supplied at a place within IEST premises between 11.00 a.m. and 4.00 p.m. The tenderer will be responsible for any breakage, damage or defect in the equipment detected subsequently. The supply and installation of the equipment should be completed within a period not exceeding 3 months from the placement of the formal work order or opening of the LC failing which appropriate action will be taken as per university rules.
 8. If the supply is not completed within the stipulated period as indicated in the Work Order, a Liquidated Damage @ ½ per cent per week will be imposed subject to maximum of 5% of the value of work order.

9. For Indian purchase (*This clause is applicable only for Indian purchase and not applicable for foreign purchase*):

Bills in triplicate should be presented for payment within 15 days of Supply / Completion of work. No Advance Payment can be made. All bills are to be accompanied by Order copies and Challan Receipt. The Order Number is to be noted on both the Challan and the Bill.

10. Documents to be submitted with the tender:

Tender Documents/Terms & Conditions in Original duly signed by the Proprietor / Partner/ Director of the Company as a token of acceptance of Terms & Conditions of Tender.

11. Customs Duty & Excise Duty

- The University will not issue any C or D form availing of concessional Sales Tax/ VAT.
- The University will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required.

12. The number of items may vary as per the requirements.

13. **Indian Institute of Engineering Science and Technology, Shibpur, Howrah reserves the right to accept/reject all or any of the tenders without assigning any reason whatsoever.**

We accept the above terms and conditions.

Dated:

Signature of Bidders/Suppliers
With date & Seal

SECTION II: TECHNICAL SPECIFICATIONS

Sealed quotations are invited for the supply and installation of **Subaquatic Drowning Management System** that will be capable to remotely monitor subaquatic body as well as attend pre configurable rule based critical alert in real time with pressure and pulse oximeter measuring device and network its information wirelessly (by using RF &/or Audio) with its strategic & precise location information using following listed items/equipment and as per the detailed technical information.

Sl. No.	Item Name	Specification	Qty.
1	IOT assisted Industrial Gateway for Subaquatic Application with Control Station Terminal & Associated Software Pack with Source codes	Environment-proof rugged encasing External 12V, 1A Powered & Battery-operated memory >= 32KB Ethernet & Wireless Capability Data Logging, aggregating feature Failure indication based on pre configurable rule Long range >1000M Fault tolerant Status indication Connectivity: RF &/or Audio Capability to communicate with Control station machine with GPRS, USB data port with externally attachable terminal for visualization & monitoring & controlling purpose with closed source firmware real time event handling with time stamp & coordinating subaquatic body Capability to enable remote actuation Local board debugging facility	2
2	Subaquatic Data Collecting Equipment	Subaquatic Environment Supported Industrial Grade Encasing In-house 5V Rechargeable Battery Local Storage >= 1GB Real Time Data Logging with Time Stamp Data Calibrator & Controller Module Failure & Status indicator Display Out Externally Plug & Play with Measuring Devices with closed source firmware Local board debugging facility Temperature: -40°C to +80°C	12
3	Subaquatic Pulse Oximeter Measuring Device	Subaquatic Environment Supported Single chip wearable and DB7 pluggable Pulse Oximeter data with calibrator	6
4	Subaquatic Pressure Measuring Device	Subaquatic Environment Supported high resolution pressure measuring device Up to 25Bar	6