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



BIDDING DOCUMENT

Ref. Advt. No. DE/D(AA)/16/75 dt. 27.12.2016

published in The Statesman (All Edition), Sanmarg (Hindi) and Bartaman (Bengali)

**For Supply of
(i) EEG Signal Capturing Device
(ii) Manikin for Endotracheal Intubation**

(Last date of submission of sealed quotation: 13th January 2017 (Friday) by 3.00 p.m.)

**School of Mechatronics & Robotics
IIEST Shibpur**

December 27, 2016

Advt. No. DE/D(AA)/16/75 dt. 27.12.2016

TECHNICAL SPECIFICATIONS

Item No. 1: Complete EEG Signal Capturing Device (hardware and software)

Qty: 1 set

Specification:

32 channel EEG signal capturing device with minimum 24-bit amplifier (band width: 20KHz) with a provision to increase channels up to 128, includes battery powered electrodes (set of electrodes with Impedance level indication of all channels), 2 nos. fabric caps with holders, 8 auxiliary inputs for interfacing with other bio-signal sensors, sampling rate minimum 50 KHz for 32 channels, bandwidth (DC-20 kHz), battery with charger, suitable software (single license) for signal recordings and analysis, Pre and Post processing of signals, different transformation and viewing of signals (including time-frequency analysis, filtering, current source density, 3D mapping), triggering, signal storage, real time direct interface with MATLAB, 3rd party open source software for signal acquisition and storing, Warranty : 1 year, Operating system: Windows.

Item No. 2: Airway Trainer Manikin for Endotracheal Intubation

Qty. : 1 set

Specifications :

- suitable for all oral and nasal endotracheal intubation, fiberoptic intubation and video laryngoscopy
- suitable for training with endotracheal tube with internal diameter of 8 mm and nasotracheal tube with internal diameter 7mm
- provide realistic representation of human anatomy, tissue, and skin
- provide realistic view of the tongue, teeth, epiglottis, vocal cord and other airway components
- should have feature for correct tube placement, visual inspection of lung expansion
- Should provide alarm signals for excessive pressure on the front teeth by the laryngoscope and if the endotracheal tube placed mistakenly in the oesophagus.

Warranty: 1 year

**GENERAL CONDITIONS (GC) AND IMPORTANT INSTRUCTIONS FOR
TENDERERS / BIDDERS / SUPPLIERS**

1. Bidders are invited to submit sealed quotation (technical specification and price details) as per the technical specifications for tendered item to Prof. Debjani Ganguly, Head, School of Mechatronics & Robotics, 3rd Floor, New Science & Technology Building, Indian Institute of Engineering Science & Technology (IEST), Shibpur, P.O. - Botanic Garden, Howrah, Pin - 711103, West Bengal, INDIA, **on or before 13th January 2017 (Friday)** between **10.00 a.m. to 3.00 p.m.** except Saturday, Sunday and other public holidays. The sealed envelope should be inscribed with the Advt. No. DE/D(AA)/16/75 dt. 27.12.2016 along with the bidders' name and address.

2. The last date of receipt of tenders is **13th January 2017 (Friday) upto 3.00 p.m** Quotations received later will not be entertained under any circumstances.

3. Date and time of opening of bid is 13th January 2017 (Friday) at 3.30 pm and the place of opening of bid is Office Room of the School of Mechatronics & Robotics, 3rd Floor, New Science & Technology Building, Indian Institute of Engineering Science and Technology (IEST), Shibpur, Howrah 711103. In case the Institute remains closed on the said date, tenders will be opened on next working day at 3.30 pm.

4. Bidders are to submit the quotations in Sealed Cover to the School of Mechatronics & Robotics in the following address:

Prof. Debjani Ganguly, Head, School of Mechatronics & Robotics, 3rd Floor, New Science & Technology Building, Indian Institute of Engineering Science & Technology (IEST), Shibpur, P.O. - Botanic Garden, Howrah, Pin - 711103, West Bengal, INDIA. M - 09830306490

5. Tenderers are to submit Technical Bid and Price Bid separately in two sealed envelopes and should mention on the top of the envelope the contents of the envelope (Technical Bid / Price Bid). The two sealed envelopes should be placed in a common sealed envelope. The common sealed envelope should be inscribed with the Advt. No. DE/D(AA)/16/75 dt. 27.12.2016 along with the bidders name and address.

6. Technical Bid should provide detailed equipment specifications, catalogues, technical details, operating parameters, pre-installation requirements, payment terms, warranty etc. Price Bid should contain price information.

7. The Price Bid should clearly mention the following:

----- Ex Works Price

----- Packing and forwarding charges, if any

----- Freight and insurance, upto Indian Institute of Engineering Science & Technology Shibpur, Howrah, West Bengal, India including loading and unloading charges, if any

----- All taxes, duties, levies applicable

----- Erection, Commissioning and testing charges at IEST Shibpur site

Inclusion of statutory payments/ Tax/Levy at a later stage will not be accepted.

For imported equipment, the quotation should specify the price CIF IEST Shibpur. Central Excise Duty Exemption Certificate and Custom Duty Exemption Certificate will be issued, if required. Clearly mention the cost of Custom Duty and Way Bill in the price bid.

8. The materials are to be supplied at a place within Indian Institute of Engineering Science and Technology(IEST), Shibpur 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 30 days from the placement of the formal work order.

9. 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.

10. 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 7 days of supply / completion of work. No Advance Payment will be made. All bills are to be accompanied by order copy and challan receipt. The order number is to be noted on both the challan and the bill. Payment will be made through A/c payee cheque and no cash payment will be made under any circumstances. All payments are subjected to statutory deductions as and when applicable. For directly imported equipments, payment may be made via wire transfer, pl. provide necessary bank details.

11. Tender is to be kept valid for acceptance for 45 days with effect from the last date of submission of the tender without any modifications in its terms and conditions.

12. Documents to be submitted with the tender:

Tender Documents (Technical and Price Bid separately in a sealed envelope), General Conditions (GC) and Important Instruction duly signed by the company as a token of acceptance of Terms and Conditions of Tender.

Provide xerox copy of PAN, VAT, P.Tax, Trade Licence (current) etc.

13. Customs Duty & Excise Duty

The University will not issue any C or D form availing of concessional Sales Tax/ VAT. Institute will issue Customs Duty Exemption Certificate or Excise Duty Exemption Certificate for foreign purchase, if required. Institute will also arrange to issue Way Bill , if required. Clearly mention the cost of Custom Duty and Way Bill in the price document.

14. 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