



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI
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To,

Interested Vendors

NIQ No. IIITG/R&D/48/NIQ/21

Date: 26.10.2021

**NOTICE INVITING QUOTATION (NIQ)
FOR SUPPLY & INSTALLATION OF EQUIPMENT AT IIIT GUWAHATI**

The undersigned invites sealed quotation for supply & installation of Equipment as per details at **ANNEXURE-I, in SINGLE Bid**. The quotation is to reach the undersigned on or before **10.11.2021, 15:00 Hr**

BID INSTRUCTION:

01. Quotations will have to be submitted in a SINGLE Bid. The address of the firm submitting the quotation, NIQ No. along with the date and the Officer to whom the quotation is addressed must appear distinctly on sealed covers. Further, on sealed cover, the following are to be written: QUOTATION FOR SUPPLY & INSTALLATION OF EQUIPMENT FOR IIIT GUWAHATI.

NIQ TERMS & CONDITIONS:

01. Rates: The Quotes must be in INR (₹). The bid must mention prices of all items asked for individually and then summed up at last on door delivery basis i.e. Basic Price and other charges such as Packing, Freight, insurance, Installation & commissioning charge, GST etc. as applicable as per **Annexure-II**.

02. Validity of Quotation: Quoted rates must be valid for **45 days** from the date of quotation.

03. Literature a must: All the quotations must be supported by the printed technical leaflet/ literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical leaflet/ literature. The model and specifications quoted should **invariably be highlighted** in the leaflet/literature for easy reference.

04. Proprietary Certificate: Dealers or Agents quoting on behalf of Manufacturer must enclose valid proprietary certificate along with the bid.

05. Earnest Money: Nil

Contd...P/2

06. Delivery and Installation:

- a) Time Limit:** Within 45 days from the date of placement of Purchase Order.
- b) Safe Delivery:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the package will be opened only in the presence of IIIT user/ representative and vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with, shall form the basis for certifying the receipt in good condition.
- c) Insurance:** The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery.
- d) Part Delivery:** Part delivery is not allowed.
- e) Installation:** The items will have to be delivered and installed at IIIT Guwahati, Bongora,
Guwahati-781015

07. Conditional tenders not acceptable: All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Printed conditions mentioned in the tender bids submitted by vendors will not be binding on IIITG.

08. Goods and Service Tax: All the bidders/tenders should ensure that they are GST compliant and their quoted tax structure /rates are as per GST Law.

09. Payment: 100% payment will be made after successful delivery, installation and commissioning of the ordered goods at site.

10. The acceptance of the quotation will rest solely with the undersigned, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to reject or partially accept any or all the quotations received without assigning any reasons thereof.

Sd/-

**Associate Dean (R&D)
IIIT Guwahati**

Encl.: ANNEXURE- I & II

Minimum Specification for Emotiv Epoc X and Emotiv Insight

Specification			Quantity
Sl. No.	Item Name	Specification	
1	Emotiv Epoc X	<ol style="list-style-type: none"> 1) EEG sensors <ol style="list-style-type: none"> a) 14 channels: AF3, F7, F3, FC5, T7, P7, O1, O2, P8, T8, FC6, F4, F8, AF4 b) 2 references: CMS/DRL references at P3/P4; left/right mastoid process alternative c) Sensor material: Saline soaked felt pads 2) Motion sensors <ol style="list-style-type: none"> a) IMU part: ICM-20948 b) Quaternions: normalized, 4D c) Resolution: 16 bits 3) Connectivity <ol style="list-style-type: none"> a) Wireless: Bluetooth® Low Energy (improved connectivity with new antenna) Bluetooth® 5.0 Ready – We currently use Bluetooth® SMART (also known as Bluetooth 4.0 Low Energy Protocol) support for Bluetooth® 5.0 will be available with upcoming software and firmware updates. b) Proprietary USB receiver: 2.4GHz band c) USB: to change headset settings & Extender 4) Available detections <ol style="list-style-type: none"> a) Mental Commands: neutral + up to 4 pre-trained items per training profile b) Performance Metrics: Excitement, Engagement, Relaxation, Interest, Stress, Focus c) Facial Expressions: Blink, Wink L/R, Surprise, Frown, Smile, Clench, Laugh, Smirk L/R 5) EEG signals <ol style="list-style-type: none"> a) Sampling method: Sequential sampling, single ADC b) Sampling rate: 2048 internal downsampled to 128 SPS or 256 SPS (user configured) c) Resolution: LSB = 0.51µV (14 bits mode), 0.1275µV (16 bits mode) d) Bandwidth: 0.16 – 43Hz, digital notch filters at 50Hz and 60Hz e) Filtering: Built in digital 5th order Sinc filter f) Dynamic range (input referred): 8400 µV(pp) g) Coupling mode: AC coupled 6) Power <ol style="list-style-type: none"> a) Battery: Internal Lithium Polymer battery 595mAh b) Battery life: up to 12 hours using USB receiver, up to 6 hours using Bluetooth Low Energy 7) Weight: 170g 8) Dimensions: 9 x 15 x 15 cm 	1

Specification			Quantity
Sl. No.	Item Name	Specification	
2	Emotiv Insight	<ol style="list-style-type: none"> 1) EEG sensors <ol style="list-style-type: none"> a) 5 channels: AF3, AF4, T7, T8, Pz b) 2 references: CMS/DRL references on left mastoid process c) New three prong gummy sensor: for better hair penetration on Pz d) Sensor material: Hydrophilic semi-dry polymer 2) Connectivity <ol style="list-style-type: none"> a) Wireless: Bluetooth Low Energy b) Includes proprietary USB receiver: 2.4GHz band 3) EEG signals <ol style="list-style-type: none"> a) Sampling rate: 128 samples per second per channel b) Resolution: 14 bits with 1 LSB = 0.51μV c) Frequency response: 0.5-43Hz, digital notch filters at 50Hz and 60Hz d) Filtering: Built in digital 5th order Sinc filter e) Dynamic range (input referred): 8400 μV(pp) f) Coupling mode: AC coupled 4) Motion sensors <ol style="list-style-type: none"> a) IMU part: ICM-20948 b) Accelerometer: 3-axis +/-8g c) Gyroscope: 3-axis +/-2000 dps d) Magnetometer: 3-axis +/- 12 gauss e) Sampling rate: 64 Hz f) Resolution: 14 bits 5) Supported platforms <ol style="list-style-type: none"> a) Windows: 7,8,10; 8GB RAM; 500MB available disk space b) MAC: OS X 10.11 or above; 8GB RAM; 500MB available disk space c) iOS: 9 or above; iPhone 5+, iPod Touch 6, iPad 3+, iPad mini d) Android: 4.43+ (excluding 5.0); device with Bluetooth Low Energy 6) Power <ol style="list-style-type: none"> a) Battery: Internal Lithium Polymer battery 480mAh b) Battery life: up to 8 hours using USB receiver, up to 4 hours using Bluetooth Low Energy 7) Detections <ol style="list-style-type: none"> a) Mental commands: neutral + up to 4 pretrained items per training profile b) Performance metrics: Excitement, Engagement, Relaxation, Interest, Stress, Focus c) Facial Expressions: Blink, Wink L/R, Surprise, Frown, Smile, Clench 	1

Annexure-II

Price Bid Format

Sl. No.	Description of Items	Qty.	Unit	Quoted Basic Unit rate in ₹ (Including Ex-Factory price, packing and forwarding, transportation, insurance, other local costs incidental to delivery, installation and warranty commitments)	Total Basic Price excluding GST (A)	GST	
						In %	In figures (B)
01	Emotiv Epoc X	01	Nos				
02	Emotiv Insight	01	Nos				
Total Cost							

Gross Total Cost (A+B) for the full quantity inclusive of GST: ₹ _____

Note: - Tenders would be evaluated for all items together. All items must be quoted. Bids quoting for only some of the items will be rejected.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of ₹. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Tender Document.

We confirm that the normal commercial warranty/ guarantee of 01 Years shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Tender Document.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____ Contact No: _____