



# National Institute of Industrial Engineering (NITIE)

Vihar Lake Road, Mumbai, Maharashtra 400087

Phone: [022 2857 3371](tel:02228573371)

Website: <https://www.nitie.ac.in>

**(Only Through Online e-Procurement Mode)**

**NITIE E-Procurement Website : <https://www.tenderwizard.com/NITIE>**

COMMON PURCHASING SERVICE CELL(CPSC)

Enquiry No.: CPSC/Erg. Lab/VR/2021-22/07

Date: 24/12/2021

Dear Sirs,

Subject: **Online e-Tender /e-Quotation:-**

**VIRTUAL REALITY-BASED WORKLOAD ASSESSMENT SYSTEM**

**BY e-Tender Mode**

**DUE DATE: 18/01/2022 UPTO 11.00AM.**

The following stores are required by this Institute, and you are requested to quote the price against each item as per terms and conditions mentioned overleaf. Printed clause for taxes will not be accepted Rate of Taxes must be clearly mentioned otherwise quotations will be deemed as INCLUSIVE OF TAXES.

**Note:** The below Financial Bid Form (e-Quotation Form) are available in Excel (xls) form on e-Tender Website for fill up and upload the same at the time of bid preparation by vendor.

Below format is reference purpose only

## VIRTUAL REALITY-BASED WORKLOAD ASSESSMENT SYSTEM

Particulars	Qty.	Rate (Rs.)	Per	GST(%)	Total (Rs.)
<b>1. Wireless Dry Electrode based EEG system:</b> <ul style="list-style-type: none"><li>Wireless dry electrode EEG headset with 7 sensors.</li><li>Corresponding to the 10-20 International System.</li><li>Self-donned and ready to record EEG in/under 1 minute</li><li>Comfortable for wearing continuously over 8 hours</li><li>Linked-Ears ear clip mounted active sensors</li><li>Bluetooth wireless transmission with sampling at 300 Hz</li><li>Rechargeable Li-ion batteries</li><li>4-bit digital trigger input</li><li>Adjustable to fit a wide range of head sizes</li></ul>	01		Each		
<b>2. Workload assessment software from Physiological parameters:</b> <ul style="list-style-type: none"><li>It can classify up to 3 cognitive state models simultaneously.</li><li>Automatically monitors data quality and rejects bad epochs.</li><li>Consists of two different machine learning algorithm outputs: linear interpolation or probability density function.</li><li>Outputs values from 0-100 every 2 seconds.</li><li>Provision for automated data saved in Comma-separated value (.csv) format.</li></ul>	01		Each		

<p><b>3. Head-mounted display compatible with EEG system:</b></p> <ul style="list-style-type: none"> <li>• 7 Sensor at 10/20 location</li> <li>• Amplifier: 16 bits, 7 Channels</li> <li>• Analog: 10m, 16bits</li> <li>• Sample:300Hz</li> <li>• Band width: 0.003-150Hz</li> <li>• CMRR: 120 Db more</li> <li>• input impedance: 47 GΩ</li> <li>• Digital inputs: 4 bits</li> <li>• maximum input range: 10Mv p-p</li> <li>• Run-time: ≥12h</li> <li>• Input bias current: less than 25pA</li> </ul>	01		Each		
<p><b>4. Virtual Reality Presentation 3D Software toolkit:</b></p> <ul style="list-style-type: none"> <li>• 3D model formats</li> <li>• Industry Standard Formats: glTF, fbx</li> <li>• Native Format: Open Scene Graph (.OSGB)</li> <li>• Legacy Formats: wrl, .flt, .3ds, .txp, .geo, .bsp, .md2,.ac,.obj,.lwo/lw, .pfb, DirectX .x format</li> <li>• Character/Avatar formats: .glf, .fbx, cal3D (native)</li> <li>• Point Cloud formats: (.ply,.dp,.3dc,.asc)</li> <li>• Raster Image Formats: JPG, PNG, TIF, TGA, DDS, GIF, BMP, RGB, RGBA, PIC, JP2, PNM/PGM/PBM</li> <li>• Support for compressed and mipmapped images provided in .dds format.</li> <li>• 3D software toolkit with High graphic rendering VR P.C</li> <li>• Audio modes: mono, stereo, 3D;</li> <li>• Supported Formats: .wav, .mp3, .au., .wma, .mid.</li> </ul>	01		Each		
<p><b>5. Oculus Rift + Touch headset controller:</b></p> <ul style="list-style-type: none"> <li>• Provision for unparalleled immersion features.</li> <li>• Natural interaction with the virtual world.</li> <li>• NVIDIA GTX 1050Ti/AMD Radeon RX 470 or greater, memory 8+GB RAM, Windows 10 OS integrated.</li> </ul>	01		Each		
<p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• <b>The party should be ready to demonstrate the system to the user department satisfying the above specification.</b></li> <li>• <b>Share the name of the institution the vendors have supplied the system recently.</b></li> </ul>					

- ◆ An EMD of Rs.46,200/- (Rupees Forty Six Thousand Two Hundred only) online payment in favour of 'NITIE, Mumbai-400 087' must be accompanied along with the quotation, failing which the quotation will be rejected. If inferior quality of material is supplied by the selected Supplier, the EMD shall be forfeited and no correspondence in this regard shall be entertained. Or pay through e-Payment mode online on portal, e-Payment facility are available on website for making the payment through Debit / Credit Card / Net Banking. e-Tender Processing fees applicable (Non-Refundable).
- ◆ Rates contract shall remain valid for three Months.
- ◆ Free delivery at NITIE, Vihar Lake, Mumbai – 400 087.
- ◆ The order will be placed as per actual requirements.
- ◆ Valid GST numbers should be mentioned
- ◆ Taxes if any to be quoted separately.
- ◆ Incomplete quotation will be rejected summarily.
- ◆ The Institute reserves the right to reject any/all quotations without assigning any reason whatsoever.

Yours faithfully,

### TERMS AND CONDITIONS

- 1) Please quote your lowest rates exclusive of Government Taxes, for free delivery at our INSTITUTE'S PREMISES at Vihar Lake.
- 2) In case, you are unable to quote please send regret reply in your own interest. This will ensure that enquiry is received by you.
- 3) For items on forward delivery basis against our import Licence, your quotation should be on the basis of F.O.B. country of origin.
- 4) Rate of Taxes, if extra, should be specifically mentioned.
- 5) Delivery is required within one to two weeks expected.
- 6) **Your Online quotations should be submitted online on or before upto 11.00am. on 18/01/2022.**
- 7) Your quotations should be valid for 60 days from the date of submission of the tender and will be binding on you for the rate quoted.
- 8) Specific delivery period should be mentioned in your quotation and if the same is not mentioned in your quotation and if the same is not mentioned it will be taken as Ex-stock.
- 9) Fragile articles and those likely to be damaged will have to be suitable packed and delivered to our Institute and in the event of breakages and damages, same will have to be replaced or repaired by you at free of cost.
- 10) If any of the stores mentioned above are already under DGS&D rate contract, you are requested to give us the advantages of the contract rates as this is an Educational and Research Institute sponsored by Government of India.
- 11) Firms may send their representatives at the time of opening the quotation but they will only be informed their quotations have been received and included or not.
- 12) Rates must be in the units specified otherwise quotation will be ignored.
- 13) Taxes, if any should be separately indicated along with basic price/rates and Sales Tax No.
- 14) Rates should be indicated in words and figures and in case of any corrections this should be attested with full signatures otherwise it is liable to be rejected.
- 15) Quotations must be submitted through online mode only.

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### **e-Quotation through online mode :**

**Sub: Online e-Tender /e-Quotation:- VIRTUAL REALITY-BASED WORKLOAD ASSESSMENT SYSTEM Notice Inviting Proposal through e-Tender Mode :**

Sl. No.	Item Name	Description
1	Description of Work	<b>Online e-Tender/ Quotation :- VIRTUAL REALITY-BASED WORKLOAD ASSESSMENT SYSTEM</b>
2	Tender No. and Date	CPSC/Erg. Lab/VR/2021-22/07
3.	Estimated Cost	-----
4	Tender Fee	<b>NIL</b>
5	Earnest Deposit Money (EMD) & e-Tender Processing Fees	Rs.46,200/- <b>(Pay through e-Payment mode online on portal, e-Payment facility are available on website for making the payment through Debit / Credit Card / Net Banking. e-Tender Processing fees applicable (Non-Refundable)</b>
6	Contract Period	<b>Mentioned in T&amp;C</b>
7	Validity period for tenders for acceptance	<b>Mentioned in T&amp;C</b>
8	Closing Date & Time for submission of Proposals online	<b>18.01.2022 upto 11:00 hrs.</b>

9	Submission of tenders through online mode, e-Quotation opening date and time:	<b>18.01.2022 at 11:30 hrs.</b>
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This notice is also available on website NITIE e-Tender & on NITIE website :<https://www.tenderwizard.com/NITIE> & [www.nitie.ac.in](http://www.nitie.ac.in) for downloading of tender documents.

The Tender document can be downloaded from NITIE e-Procurement Website i.e, <https://www.tenderwizard.com/NITIE> or From NITIE Official website. The tender should be submitted through online mode only.

1. Technical & Financial Bid to be submitted online within the due date.
2. Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.
3. All prospective bidders are requested to visit our NITIE E-PROCUREMENT WEBSITE regularly for any such updates / corrigendums.
4. Please see attached e-Tender Documents ...

**Standard e-Tender Terms & Conditions For NITIE e-Procurement .**  
**NITIE e-Procurement Website are :**  
<https://www.tenderwizard.com/NITIE>

- The details of tender notification can be downloaded from [www.tenderwizard.com/NITIE](http://www.tenderwizard.com/NITIE) under "Tender of NITIE" link in the homepage.
- Vendors should obtain the USER ID and PASSWORD from [www.tenderwizard.com/NITIE](http://www.tenderwizard.com/NITIE) by clicking on "Enrolment" link in the homepage.
- The Vendor registration fees has to be paid to ITI Ltd for Rs. 2360/-. Using the e-Payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1year.
- For further details on e-Tender participation, please contact ITI Help desk on :
- Telephone: 080 - 40482100 (Bangalore) & Sanjay KC – Mumbai & Maharashtra (09665721619) Email : [sanjay.kc@etenderwizard.com](mailto:sanjay.kc@etenderwizard.com)
- Email: [harishkumar.kb@etenderwizard.com](mailto:harishkumar.kb@etenderwizard.com), [ambasa@etenderwizard.com](mailto:ambasa@etenderwizard.com).
- Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.

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**INFORMATION & INSTRUCTIONS TO THE BIDDERS**  
**FOR USING ONLINE ELECTRONIC TENDERING SYSTEM (eTS).**

**Special Conditions & instructions for using online Electronic Tendering System through portal (website) <http://www.tenderwizard.com/> adopted by Tata Institute Of Social Sciences, Mumbai Vendor Registration Fees Rs.2,000/++ 18%(GST) through e-Payment Gateway on TISS e-Procurement Portal i.e., <https://www.tenderwizard.com/NITIE>**

**Note : The e-Payment Gateway are available on e-Procurement Portal for making**

## **the Online Vendor Registration Payment.**

Bidders are required to Enrol for Vendor Registration on the TISS e-Procurement Tender wizard Portal (URL: <https://www.tenderwizard.com/NITIE> ) by clicking on the link “**Enrolment**” on the home page of e- Portal which is chargeable. **(Rs.2000/- + GST(18%)(Non-Refundable )** to be paid online by e-payment gateway).

The bidders are required to submit soft copies of their bids electronically on the TISS Tender Wizard e-Procurement Portal, using valid Class III Digital Signature Certificates. The step by step instructions about e-Tender Process are given in “Vendor Help Manual“

Class III Digital Signature Certificate are mandatory for e-Tender /e-Procurement. For Digital Signature Certificate Contact to above number of Mr. Sanjay Chandak (Mumbai , Pune & Maharashtra)

### **Note : Information about e-Procurement Portal.**

More information useful for submitting online bids on the NIA e-Procurement Tenderwizard Portal may be obtained at: <https://www.tenderwizard.com/NITIE> .

**N.B:** Bidders can download the Vendor’s manual by visiting on home page of TISS e-Procurement Website: <https://www.tenderwizard.com/NITIE> .

KEY INSTRUCTIONS for BIDDERS by clicking on “**Latest Circulars/Formats/Help Manuals/Faq**”. **The complete Step by Step “Vendors Help Manual For e-Procurement / e-Tendering Process , Vendors Registration Process , System Settings Requirements & JAVA Settings Manuals , e-Payment Guidelines” & “Digital Signature Certificate Process”** this details are available on TISS e-Procurement Website for e-Tenders.

**Note:** Online Support / Web Support / E-Mail Support / Phone Support are also available for Bidders as well as Department Officials. Online support through “Team viewer”, “Ammy Admin “Or “Any Desk” Remote software only. For Downloading this software, the downloading software links are available on home page of NITIE e-Procurement Website.

Registrar, NITIE