

**ODISHA UNIVERSITY OF TECHNOLOGY AND RESEARCH**

(Formerly College of Engineering & Technology, Bhubaneswar)

**Techno Campus, Ghatikia, MahalaxmiVihar, Bhubaneswar –751029**

**No. 2527/ES / OUTR Date: 09 /08 / 2023**

**Tender Call Notice**

Sealed Tenders are invited from **Original Equipment Manufacturers/ Distributor/ Authorized Dealers/** reputed **Organization,** for “**Supply of Equipment for Smart Class room at OUTR”**, details of which are available in the tender papers. The renderers must possess valid up-to-date GST /income tax clearance etc. The last date of submission of tender is **07.09.2023** (up to 5 PM) and will open on **08.09.2023** at 11AM the same date at 4.00 PM. The sealed tender will receive by **Speed Post/Registered Post only.** Tender received after the scheduled date and time will not considered. The authority is not responsible for any postal delay. The authority reserves the right to cancel the bids without assigning any reason thereof. More details are available at our college website **www.outr*.ac.in***.

Sd/-

**Registrar**

**BID DOCUMENT FOR**

**SUPPLY OF EQUIPMENTS FOR SMART CLASSROOMS**

**AT OUTR**

**Odisha University of Technology and Research**

**(Formerly College of Engineering & Technology),**

**Ghatikia, Bhubaneswar-751029**

(All pages of this document except for Commercial-bid to be submitted in original duly signed on each page along with the technical bid Envelope. The Commercial bid in original is to been closed in a separate sealed Envelope)

**INVITATIONFORBIDS**

**Odisha University of Technology and Research (Formerly College of Engineering & Technology), Bhubaneswar** invites sealed tenders under two bid system i.e. Technical and Financial Bid from **Original Equipment Manufacturers/ Distributor/ Authorised Dealers/** reputed **Organization,** for **Supply of Equipment for Smart Classrooms** to **Odisha University of Technology and Research (Formerly College of Engineering & Technology), Ghatikia, Mahalaxmi Vihar, Bhubaneswar-751029** as per the schedule given below. Interested eligible bidders may download bid documents for detail information and list of items with technical specifications from **the website of the University, OUTR** [**www.**](http://www.nitdgp.ac.in)**outr.ac.in**

**Particulars &Important Information:**

1. Cost of Bids documents (non-refundable) **:Rs. 2000/-**
2. Earnest Money Deposit (Refundable) **: Rs. 1,00,000.00 (Rupees One Lakhs only)**
3. Issue of Tender Document: : **10/08 / 2023**
4. Last date and time for submission of Sealed Bids**: 07/09/2023 up to 5PM**
5. Time and date of opening of Technical bid **: 08/09/2023 at 11:00AM**
6. Time and date of opening of financial bids **: Will be communicated to the Successful**

**bidders**

1. Place of opening of bid **: Office of the Registrar,**

**Odisha University of Technology and Research**

**Techno-Campus, Ghatikia, Bhubaneswar-751029**

**Sealed Tenders should be submitted by Speed Post/ Registered Post before the last date and time for submission of sealed bids only. Tenders submitted by any other mode (e-mail/fax/hand delivery) will not be accepted & rejected summarily. The Bid document should reach the Office of the undersigned within the scheduled date & time, otherwise it will be treated as non-responsive and such Bid shall not be opened for consideration by the tender opening Committee.**

**A. SCOPE OF WORK AND GENERAL INSTRUCTIONS FOR BIDDERS**

The Vendor shall have to supply, install, and commission and give training to users of OUTR all the equipment as mentioned in the requirement in each of the class rooms. The officer-In-Charge from OUTR will share the details of the class rooms for installation and commissioning of the supplied equipment’s at OUTR Campus. The successful vendor shall have to carry out the jobs in consultation with the officer-in-Charge and have to complete in all respect to the entire satisfaction of the officer-in-Charge. The supply, Installation and commissioning of the work should complete within the maximum 08 weeks from issue of work order date.

**General Instructions to Bidding Firms**

1. The tender is to be submitted in two separate sealed Envelopes and further sealed in one Envelope mentioning thereon the **Envelope No.1**and **Envelope No. 2**and contents as indicated below:
   * + - 1. a. **Envelope Number-1 (Technical Bid)**

Cover forming Envelope -1 of the Tender shall be super scribed with words **Technical Bid of “Tender for Supply of Equipment for Smart Classroom”** along with **tender number and due date.**

Envelope number-1 shall contain the DD for EMD &Tender fees, Qualification documents along with the tender document duly filled up and signed by the Bidding Firm on each page after affixing rubber stamp of the **Original Equipment Manufacturers/ Distributor/ Authorised Dealers/**reputed Organization. Any cutting should also be authenticated by the Bidding Firm/authorized signatory of the Bidding Firm with his/her full signatures.

b. **Envelope Number-2 (Financial Bid)**

Sealed cover forming Envelope -2 of the Tender shall contain **Financial Bid in the prescribed Proforma** which should be super scribed with words **Financial Bid of “Tender for Supply of Equipment for Smart Classroom” along with tender number and due date.**

Both the Sealed covers containing Envelope -1 and Envelope -2, shall be put in another third Envelope and sealed properly super scribing the words “Tender for Supply of Equipment for Smart Class room”. along with tender number and date, addressed to the Registrar, **Odisha University of Technology and Research** (**Formerly College of Engineering and Technology), Techno-Campus, Ghatikia, MahalaxmiVihar**, **Bhubaneswar-751029 on or before the date& time mentioned in Tender.** Any tender received after the prescribed date & time will not accept.

1. **Eligibility criteria for Pre-qualifications of Bidder:**
2. The Bidding Firm should have been in the business of **ICT/ITeS/AV Solution provider and product sales, installation, Operation and Maintenance for at least 05 years** with an average annual turnover from **ICT/ITeS/ AV Solution** product sales and services of **at least Rs.500.00 Lakhs (Rupees Five Hundred Lakh Only)** during the last three financial years (2020-21, 2021-2022 & 2022-2023).
3. Copy of the Audited Balance Sheet and P & L Account for the last three consecutive financial years (2020-21, 2021-22 and 2022-2023)duly certified by the charted Accountant should be enclosed.
4. Be an experienced IT firm/company having good track record and credentials in supplying ICT Components, setting up of Smart Classroom, Board Room or Conference Room (proof of experience in above work to Govt. Dept. / Govt. Agencies or PSU to be submitted).
5. Have been registered with GST Authorities.(Copy of GST registration Certificate to be furnished).
6. Have PAN allotted to him by concerned Department (Copy of Valid PAN to be enclosed).
7. OEM must be ISO45001, ISO14001 certified organization.
8. Vendor should be authorized partner of OEM of the products proposed against this tender. MAF (Manufacturer’s Authorization Form) on their letterhead and duly signed by the authorized signatory with reference to the tender no & date to be submitted with the Technical Bid.
9. Should furnish the documents duly certified by Charted Accountant in support of the Annual turnover of the agency for the preceding last three financial year i.e. (2020-21, 2021-22 and 2022-2023).
10. The terms and conditions in the tender Documents should be duly signed (each page) and the tender document sealed by the authorised signatory of the agency in token of their acceptance.

**Conditional bids shall not be considered and will be out rightly rejected in very first instance.**

1. **Cost of the bid documents:** The interested bidders are to download the tender documents from the website of the OUTR (Formerly CET) [www.outr.ac.in](http://www.outr.ac.in). and should submit a Demand Draft of **Rs. 2000.00**(not refundable) drawn in any **Nationalized Bank** in favour of “**Odisha University of Technology and Research” payable at Bhubaneswar** towards cost of the bid documents along with the technical bid**. Bids not accompanied with cost of bid documents of the requisite amount or without proper validity will be summarily rejected**.
2. **Bid Security/EMD (refundable without interest):** 
   1. **An Earnest Money Deposit (EMD) of Rs.100000.00 (Rupees One Lakhs only)** should be submitted in form of Demand Draft drawn in any **Nationalized Bank** in favor of **Odisha University of Technology and Research” payable at Bhubaneswar** along with the technical bid**, failing which Bids shall be treated as non-responsive and summarily rejected.**
   2. The submission of EMD is compulsory for all the bidders and no exemption will be granted for submission of EMD on any case.
   3. The EMD of unsuccessful bidders will be discharged / returned to them without any interest within 30 days after finalization of the tender.
3. **Amendment to bid documents**

At any time, prior to the date of submission of Bid, authority may, for any reason whether at its own initiative or in response to a clarification required by a prospective bidder, modify the bid documents by the amendments/ by issuing corrigendum. The amendments will be updated on same only.

1. The bidder is expected to have examined all instructions, forms, terms and specification in the Bid Document. Failure to furnish the bid not substantially responsive to the Bid document in every respect will be at the bidders risk and may result in rejection of the Bid.
2. All entries in the tender form should be legible and filled clearly. If the space for furnishing information is insufficient, a separate sheet duly signed by the authorized signatory may be attached. **No overwriting or cutting is permitted in the Financial Bid Form. In such cases, the tender shall be summarily rejected.** However, the cuttings, if any, in the Technical Bid Application must be initiated by the person authorized to sign the tender bids.
3. The prospective bidders should keep their offers valid up to 90 days from the date of tender opening.
4. The Technical bids shall be opened on the scheduled date and time (as mentioned in tender documents) in presence of the Bidders/representatives of the Bidders, if any, who wish to be present on the spot at that time. Only one authorized person for each bidder shall be allowed to be present at the time of opening the tender subject to submission of authorization letter in the format given in bid document.
5. The Financial bids of the technically qualified bidders shall be opened in presence of the Bidders/their authorized representatives.
6. **Rejection of tenders:** The incomplete & conditional Bid / tender(s) will not be considered and summarily be rejected. **No overwriting or cutting is permitted in the Technical & Financial Bid Form. In such cases, the tender shall be summarily rejected.** Quoting unrealistic rates will be treated as disqualification. A bid submitted with an adjustable price quotation will be treated **as non responsive** and will be rejected.
7. **The authority reserves the right** to accept or reject any bid including the lowest and to annual the bidding process and reject all bids, at any time prior to award of contract, without assigning to any reason thereof or any obligations to inform the affected bidder or bidders of the grounds for the said action.
8. **Warranty:** The quoted equipment and components must be warranted for a minimum of Three Year on site with NBD.
9. **Literature / Product Datasheet :** All the quotations must be supported by the printed technical data sheet/ literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical data sheet/ literature. The model no. and specifications quoted should invariably be highlighted in the data sheets/ literature for easy reference.
10. **Equipment breakdown**: Any Equipment breakdown must be attended to within NBD during the warranty period of the equipment free of cost.
11. **Training:** If required, free training is to be provided as and when required to OUTR faculty members / staff on the operation, maintenance and troubleshooting of the supplied items.
12. **After Sales Service:** Vendor should clearly state the available nearest after sales service facilities in the Eastern region.
13. **Dealership Certificate / MAF :** The bidder/ tenderer should be either a manufacturer or authorized agent of the foreign/Indian manufacturer. Dealers or Agents quoting on behalf of Manufacturer must enclose valid dealership certificate / Manufacturer’s Authorization for the equipment from the manufacture.
14. **Performance Bank Guarantee (PBG):** The successful bidder shall furnish an unconditional PBG (as per format at Annexure III) for 10% of the Purchase Order value from a nationalized or scheduled Bank of India, before release of the payment. Else 10% of the billed amount will be deducted as security deposit. Where the PBG is obtained by a foreign bank, it shall be endorsed by a nationalized or scheduled Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Bhubaneswar. The PBG shall guarantee that,
15. The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
16. The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee.
17. This guarantee shall be operative from the date of installation till 60 days after the warranty period.
18. **Delivery:**
19. Time Limit: Maximum within 08 weeks from issue of work order date.
20. 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 OUTR user/representative and vendor’s representative. The intact condition of the package and the seal/indicators for not being tempered with, shall form the basis for certifying the receipt in good condition.
21. Insurance: The supplier is to establish ‘All Risk Transit Insurance’ coverage till door delivery at OUTR, Bhubaneswar, Odisha.
22. Penalty for delay in delivery: The date of delivery should be strictly adhered to otherwise the Registrar, OUTR, Bhubaneswar reserves the right not to accept delivery in part or full. The Registrar, OUTR also reserves the right to impose penalty, as deemed fit, for delay in delivery of the equipment. The decision of the Vice Chancellor shall be binding to all.
23. For E-way bills the vendor has to apply online viahttp://ewaybill.nic.in   (E-Services/E-Special Permit Link). All necessary information/documents will be provided by the University wherever required.
24. **Late and delayed tender:** Late and delayed tender will not be considered. In case any unscheduled holiday occurs on the prescribed closing/opening date, the next working day shall be the prescribed date of closing/opening.
25. **Payment: 8**0% payment within 30(thirty) days from date of delivery, balance 20% payment will be released within 30 (thirty) days of completion of installation, commissioning and completion of training to operational staffs of OUTR.
26. **Enquiry during the course of evaluation not allowed**: After opening the Bids, no enquiry from the bidder(s) shall be entertained during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative may make enquiries/seek clarification from the bidders. In such a case, the bidder must extend full co-operation.  The bidders may also be asked to arrange demonstration of the offered items, in a short period of notice.
27. At any time prior to the date of submission of bid, OUTR may, for any reason, either of its own or in response to a clarification from a prospective bidder, modify the bidding documents by an amendment / corrigendum. **Any such amendment / corrigendum will be duly notified through the Institute’s website only**. Prospective bidders are advised to check the Institute’s website every now and then for any amendment / corrigendum. In order to provide reasonable time to take the amendment into account in preparing the bid, OUTR may extend the date and time for submission of bids.
28. The acceptance of the quotation will rest solely with the Registrar, OUTR, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.
29. **Force Majeure:**

If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:

1. Any law, statute or ordinance, order action or regulations of the Government of India,
2. Any kind of natural disaster, and
3. Strikes, acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.
4. **Termination for default:** Default is said to have occurred
5. If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
6. If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by OUTR.
7. If the supplier fails to perform any other obligation(s) under the contract.

Under the above circumstances OUTR may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, OUTR may at its discretion also take the following actions: OUTR may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate OUTR for any extra expenditure involved towards goods and services obtained.

27. **Applicable Law:**

(a) The contract shall be governed by the laws and procedures established by Govt. of India/Govt. of Odisha and subject to exclusive jurisdiction of Competent Court and Forum in Odisha / India only.

(b) Any dispute arising out of this purchase shall be referred to the Registrar, OUTR, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of Vice Chancellor. The decision of Vice Chancellor final and binding on both the parties.

Sd/-

Registrar

**B. TENDER APPLICATION – TECHNICAL BID**

The Technical Bid shall be accompanied with self-attested photocopies of the following requisite documents failing which the bid shall be rejected out rightly

1. Name of Bidder:
2. Name of Proprietor / Partner/ Director
3. Full Address of Registered Office:

Telephone No. :

Fax No. :

E-Mail Address:

1. Full address of Operating/ Branch Office (if any):

Telephone No. :

Fax No. :

E-Mail Address :

1. Name & Telephone no. of Authorized Officer/Person for liaisoning :

**C. DECLARATION BY BIDDER**

1. I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Son / Daughter / Wife of Shri \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Proprietor / Director/ authorized signatory of the Bidder, mentioned above, am competent to sign this declaration and execute this tender document.
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them;
3. The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I/we am/are well aware of the fact that furnishing of any false information/fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

**Signature of Bidder**

Name:

Seal:

Date:

Place:

**D:-CERTIFICATE OF DECLARATIONREGARDING BLACKLISTING**

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Son/ Daughter of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / W/O\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AT / P.O\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Dist:\_\_\_\_\_\_\_\_ here by confirm and declare that my/our firm/company M/S\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is not **Blacklisted /delisted** or debarred or on Holiday list with any company of private /Public Ltd. of Government Company/Govt. Dept. from participating in the tender.

In case at any stage, it is found that the information given by me is false / incorrect, Registrar, OUTR, Bhubaneswar shall have the absolute right to take any action as deemed fit/without any prior intimation to me.

Sign:

For and on behalf of the Bidder

**Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Seal:**

**Signature of Bidder**

**PROFORMA-I (PRE-QUALIFICATION/ELIGIBILITY)**

*PARTICULARS OF THE BIDDERS TO BE FURNISHED IN TECHNICAL BID FOR THE PURPOSE OF PRE-QUALIFICATION:*

|  |  |  |
| --- | --- | --- |
| 1. | Name of Organization/Firm/Company |  |
| 2. | Address & Telephone Number  (Furnish address proof) |  |
| 3. | Year of establishment (Copy of VAT/CST Registration to be enclosed) must be in IT business for minimum 15 years from the date of submission of BID. |  |
| 4. | Status of the Firm  (Company/Firm/Proprietary)  *Supporting document to be enclosed.* |  |
| 5. | Name & Mobile Number of Directors/Partners/Proprietor |  |
| 6. | Whether registered with GST. If so, mention number & date. Furnish also copies of GST registration certificate |  |
| 7. | Permanent Account Number (PAN) Furnish copy of PAN |  |
| 8. | State Average Annual turnover of the company in last 3 financial year.  Furnish copies of audited balance sheet & profit & loss account for the last three years Certified Auditor. |  |
| 9. | Specify the maximum value of single work executed / on-going in ICT in last 3 years in the country/State. |  |
| 10. | Copy of ISO 9001:2015, ISO 20000-1:2018 or ISO/IEC 27001:2013 and OEM must be ISO45001, ISO14001 certified organization. enclosed |  |
| 11 | MAF from OEM for Display & Speakers to be enclosed |  |
|  | OEM and Bidder should be qualifying under all Land border rule of Central government |  |
|  | OEM should have service centers in India, Contact details, Toll-free numbers and address should be mentioned in MAF . |  |

Place:

Date:

Name, Signature & Seal of Bidder:

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| **Annexure - I : TECHNICAL COMPLIANCE STATEMENT**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **ITEM A:- Specifications for Multitouch Display** | | | | | | | | | | | | **Sl.No.** | **Specifications & Features** | | | | | **Make** | **Model** | **Compliance** | | **Remarks** | | **YES** | **NO** | | 1 | PANEL | | Screen Size | | 85" or higher |  |  |  |  |  | | Panel Technology | | LED/4kUHD/IPS or better |  |  |  |  |  | | Back Light Type | | Direct |  |  |  |  |  | | Aspect Ratio | | 16:9 |  |  |  |  |  | | Native Resolution | | 3840x2160 (UHD) or higher |  |  |  |  |  | | Refresh Rate | | 60Hz |  |  |  |  |  | | Brightness | | 350 nits or higher |  |  |  |  |  | | Contrast Ratio | | 1200:1 or higher |  |  |  |  |  | | Dynamic CR | | 4000:1 or higher |  |  |  |  |  | | Viewing Angle(H x V) | | 178 X 178 |  |  |  |  |  | | Color Depth | | 10bit, 1.07 Billion colors |  |  |  |  |  | | Response Time | | 8ms (G to G) or less |  |  |  |  |  | | Operation Hours (Hours/Day) | | 16/7 or more |  |  |  |  |  | | Surface Treatment | | Anti glare coating, Hardness 7H or better, Haze 28% or better |  |  |  |  |  | | 2 | Connectivity (Jack Interface) | Input | Digital | HDMI | Yes(1) or more, HDCP2.2 or better. |  |  |  |  |  | | Analog | RGB | VGA (1) external/ Internal |  |  |  |  |  | | Audio In | | Yes (1) |  |  |  |  |  | | RS232C IN | | Yes (1) |  |  |  |  |  | | RJ45(LAN) | | Yes (1) |  |  |  |  |  | | USB | | USB3.0 Type A(4)  USB2.0 Type A(1)  USB Type C (1) |  |  |  |  |  | | Out put | HDMI | | Yes (1) or more |  |  |  |  |  | | Audio Out | | Yes (1) or more |  |  |  |  |  | | Touch USB | | Yes (1)  Or more |  |  |  |  |  | | OPS and SPDIF (Optional) | | 1 OPS slot  1 Optical |  |  |  |  |  | | 3 | Mechanical Specification | | Bezel Color | | Black/Grey/Silver |  |  |  |  |  | | Handle | | Yes |  |  |  |  |  | | VESATM Standard Mount Interface kit | | 800X600 |  |  |  |  |  | | 4 | Key Feature | HW | Internal Memory | | 32GB or more |  |  |  |  |  | | Wi-Fi | Built-in | 2.4/5 GHZ or better |  |  |  |  |  | | Power Indicator | | Yes |  |  |  |  |  | | SW | WebOS ver. | | Android 11.0 or higher/ Latest Tizen OS |  |  |  |  |  | | Screen Share | | Yes |  |  |  |  |  | | 5 | Environment Conditions | | Operation Temperature | | 0 °C to 40 °C |  |  |  |  |  | | Operation Humidity | | 10% to 90% |  |  |  |  |  | | 6 | POWER | | Power Supply | | AC 100-240V~, 50/60Hz |  |  |  |  |  | | Power Type | | Built-In Power |  |  |  |  |  | | 8 | SOUND | | Speaker | | Minimum Inbuilt (10wX2) or more |  |  |  |  |  | | 9 | CERTIFICATION | | Safety | | Yes |  |  |  |  |  | | EMC | | Yes |  |  |  |  |  | | ErP | | Yes |  |  |  |  |  | | 10 | OPS Compatibility | | OPS type compatible | | Yes |  |  |  |  |  | | OPS Power built in | | Yes |  |  |  |  |  | | 11 | Accessory | | Basic | | Power Cord 3 M\*1, USB Cable (Type A-Type B) 5 M\*1, HDMI Cable 3 M\*1, Writing Pen\*2pcs, User Manual, QSG, Carton Box, Remote Controller(include battery 2ea), Wifi module |  |  |  |  |  | | 12 | Other | |  | Response Time | ≤8ms |  |  |  |  |  | | Accuracy | ±1mm or better |  |  |  |  |  | | Interface | USB2.0 or higher |  |  |  |  |  | | Protection Glass Thickness | 3T (Anti-Glare) |  |  |  |  |  | | Operating System Support | Windows 7/8/10/11 Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch) |  |  |  |  |  | | Multi touch point | Max 40 Points |  |  |  |  |  | | 13 | Android System/Tizen | | SoC | | Quad core A55 |  |  |  |  |  | | GPU | | Mali G52MP2 |  |  |  |  |  | | RAM | | 4 GB or more |  |  |  |  |  | | WIFI | | 802.11 a/b/g/n/ac/ac (WiFi 6) |  |  |  |  |  | | LAN | | Gigabit LAN |  |  |  |  |  | | Bluetooth | | Bluetooth 5.0 |  |  |  |  |  | | 14 | Warrenty (On Site with NBD) | | Minium 3 (Three) Years | | |  |  |  |  |  | | 15 | **OEM TERMS:-** OEM should have presence in India for more than 10 years (Certificate of Incorporation is required) with Valid document. , should have complete direct service set-up in Eastern Region (supporting document is required) for providing quick on-site Service support with NBD, Should have ISO 9001:2015, ISO 14001:2015 & ISO45001:2018. (Valid document is required) | | | | |  |  |  |  |  | | | | | | | | | | | | | | | | |
| **ITEM C:- Specification of Active Speaker Set** | | | | | | | | | | | | | | | | | |
| Sl.No. | | Item Description | | | | Features | | Make | | Model | | Compliance | | | | Remarks | |
| YES | | NO | |
| 1 | | SYSTEM INPUT TYPE | | | | 1/8" Aux, RCA, 1/4" TRS balanced | |  | |  | |  | |  | |  | |
| 2 | | SYSTEM OUTPUT TYPE | | | | 1/8" stereo headphone with auto speaker mute | |  | |  | |  | |  | |  | |
| 3 | | LF TRANSDUCER | | | | 4.5 in (118 mm) | |  | |  | |  | |  | |  | |
| 4 | | HF TRANSDUCER | | | | 0.75 in (19 mm), soft dome | |  | |  | |  | |  | |  | |
| 5 | | ENCLOSURE TYPE | | | | Ported | |  | |  | |  | |  | |  | |
| 6 | | CROSSOVER | | | | 1725 Hz, 1st order | |  | |  | |  | |  | |  | |
| 7 | | POWER AMP | | | | 60 W (30 W each speaker), Class D | |  | |  | |  | |  | |  | |
| 8 | | SENSITIVITY | | | | 88 dB SPL @ 1 m with -10 dBV Aux In (Volume = Max) | |  | |  | |  | |  | |  | |
| 9 | | SYSTEM MAXIMUM SPL | | | | 92 dB (continuous power measured) | |  | |  | |  | |  | |  | |
| 10 | | SYSTEM PEAK SPL | | | | 102 dB (pink noise, 12 dB crest factor) | |  | |  | |  | |  | |  | |
| 11 | | MAXIMUM SPL, MOMENTARY PEAK | | | | 104 dB | |  | |  | |  | |  | |  | |
| 12 | | MAXIMUM PEAK INPUT LEVEL (-10 dBV / +4 dBu) | | | | +6 dBV / +20.3 dBu | |  | |  | |  | |  | |  | |
| 13 | | FREQUENCY RANGE (-3 dB SPL) | | | | 88 Hz – 20 kHz | |  | |  | |  | |  | |  | |
| 14 | | FREQUENCY RANGE (-10 dB SPL) | | | | 60 Hz – 20 kHz | |  | |  | |  | |  | |  | |
| 15 | | SYSTEM RATED IMPEDANCE | | | | 8 Ω | |  | |  | |  | |  | |  | |
| 16 | | POWER STANDBY MODE 100 / 240 VAC | | | | 0.34 / 0.46 | |  | |  | |  | |  | |  | |
| 17 | | ENCLOSURE MATERIAL | | | | ABS with metal grille | |  | |  | |  | |  | |  | |
| 18 | | ENCLOSURE FINISH | | | | Matte black acrylic paint | |  | |  | |  | |  | |  | |
| 19 | | HEIGHT | | | | 9.72 in (247 mm) | |  | |  | |  | |  | |  | |
| 20 | | WIDTH | | | | 6.02 in (153 mm) | |  | |  | |  | |  | |  | |
| 21 | | DEPTH | | | | 4.88 in (124 mm) | |  | |  | |  | |  | |  | |
| 22 | | MINIMUM IMPEDANCE | | | | 7.8 Ω @ 260 Hz | |  | |  | |  | |  | |  | |
| 23 | | CABINET TUNING FREQUENCY | | | | 72 Hz | |  | |  | |  | |  | |  | |
| 24 | | SYSTEM POWER HANDLING | | | | 30 W x 2 @ 100 hours, IEC/SMS | |  | |  | |  | |  | |  | |
| 25 | | SYSTEM DISTORTION CRITERIA | | | | <10% THD at maximum output with full compressor / limiter engagement | |  | |  | |  | |  | |  | |
| 26 | | ELECTRICAL DISTORTION CRITERIA | | | | <0.2%THD @ 1 kHz, 2.83 VRMS output;<1%  THD @ 1 kHz, full rated output | |  | |  | |  | |  | |  | |
| 27 | | SIGNAL TO NOISE RATIO | | | | 75 dBA (A-Weighted), 70 dBr (un weighted), relative to 2.83 VRMS output on HF | |  | |  | |  | |  | |  | |
| 28 | | COVERAGE (HORIZONTAL x VERTICAL) | | | | 120º x 60º | |  | |  | |  | |  | |  | |
| 29 | | SYSTEM POLARITY | | | | EIA | |  | |  | |  | |  | |  | |
| 30 | | NET WEIGHT | | | | Host Monitor: 4.54 lb (2.06 kg); client Monitor: 3.81 lb (1.73 kg) | |  | |  | |  | |  | |  | |
| 31 | | DISPLAY CARTON (H x W x D) | | | | 13.14 x 8.22 x 12.4 in (334 x 209 x 315 mm) | |  | |  | |  | |  | |  | |
| 32 | | SHIPPING CARTON (H x W x D) | | | | 13.46 x 8.54 x 12.99 in (342 x 217 x 330 mm) | |  | |  | |  | |  | |  | |
| 33 | | SHIPPING GROSS WEIGHT | | | | 10.56 lb (4.8 kg) | |  | |  | |  | |  | |  | |
| 34 | | ACOUSTIC TEST SPECIFICATION | | | | ATS# 1000340443 | |  | |  | |  | |  | |  | |
| 35 | | AC INPUT VOLTAGE | | | | 100 – 240 VAC (± 10%), 50 / 60 Hz | |  | |  | |  | |  | |  | |
| 36 | | CURRENT DRAW | | | | 85 watts | |  | |  | |  | |  | |  | |
| 37 | | ELECTRICAL CURRENT DRAW (W) IDLE 100 / 240 VAC | | | | 3.52 / 3.70 | |  | |  | |  | |  | |  | |
| 38 | | ELECTRICAL CURRENT DRAW (W) MAX POWER 100 / 240 VAC | | | | 80 / 80 | |  | |  | |  | |  | |  | |
| 39 | | Warranty (On Site with NBD) | | | | Minimum 3 (Three) Years | |  | |  | |  | |  | |  | |
| **ITEM D:- Specification of Wireless Lavalier Microphone, Microphone Features ( Transmitter)** | | | | | | | | | | | | | | | | | |
| Sl.No. | | Item Description | | | | Features | | Make | | Model | | Compliance | | | | Remarks | |
| YES | | NO | |
| 1 | | RF Output Power | | | | 15mW (Max.) | |  | |  | |  | |  | |  | |
| 2 | | Modulation Mode | | | | FM | |  | |  | |  | |  | |  | |
| 3 | | Microphone Element | | | | Condenser, Omni directional | |  | |  | |  | |  | |  | |
| 4 | | Dynamic Range | | | | 80dB | |  | |  | |  | |  | |  | |
| 5 | | Frequency Response | | | | 80-15,000Hz | |  | |  | |  | |  | |  | |
| 6 | | Current Consumption | | | | ≤ 130mA | |  | |  | |  | |  | |  | |
| 7 | | Power Requirement | | | | 3V (2 × 1.5V AA Pencil Cells) | |  | |  | |  | |  | |  | |
| 8 | | Controls | | | | ON/OFF Switch, Volume Control | |  | |  | |  | |  | |  | |
| 9 | | Indications | | | | Red LED for indicating transmitter ON, Frequency Display | |  | |  | |  | |  | |  | |
| 10 | | Dimensions | | | | W67 x H32 x D95 mm | |  | |  | |  | |  | |  | |
| 11 | | Weight | | | | 60g (w/o battery) | |  | |  | |  | |  | |  | |
| 12 | | Warranty (On Site with NBD) | | | | Minimum 3 (Three) Years | |  | |  | |  | |  | |  | |
| **ITEM D "(1)":- RECEIVER Features** | | | | | | | | | | | | | | | | | |
| 1 | | | | Audio Output | | Bal. 0dBu, Unbal. -10dBu | |  | |  | |  | |  | |  | |
| 2 | | | | S/N Ratio | | 90dB | |  | |  | |  | |  | |  | |
| 3 | | | | Distortion | | ≤1% | |  | |  | |  | |  | |  | |
| 4 | | | | Frequency Response | | 50-15,000Hz | |  | |  | |  | |  | |  | |
| 5 | | | | Dynamic Range | | >90dB | |  | |  | |  | |  | |  | |
| 6 | | | | Power Requirement | | 240V AC 50Hz from AC Adaptor (supplied along with) | |  | |  | |  | |  | |  | |
| 7 | | | | Controls | | ON/OFF Switch, Volume Control | |  | |  | |  | |  | |  | |
| 8 | | | | Indications | | LEDs for RF & Audio Signal, Channel Frequency Display | |  | |  | |  | |  | |  | |
| 9 | | | | Dimensions | | W210 × H42 × D147 mm | |  | |  | |  | |  | |  | |
| 10 | | | | Weight | | 372g | |  | |  | |  | |  | |  | |
| 11 | | | | Warranty (On Site with NBD) | | Minimum 3 (Three) Years | |  | |  | |  | |  | |  | |
| **ITEM E:- Specification of Karaoke Mixer** | | | | | | | | | | | | | | | | |
| Sl.No. | | | Item Description | | Features | | Make | | Model | | Compliance | | | | Remarks | |
| YES | | NO | |
| 1 | | | System input type | | Dual Microphone inputs | |  | |  | |  | |  | |  | |
| 2 | | | Recording | | Recording on Smart phone or Computer | |  | |  | |  | |  | |  | |
| 3 | | | Connectivity | | Bluetooth 5.0 wireless connectivity with microphone, Tablet, Laptop | |  | |  | |  | |  | |  | |
| 4 | | | Sound | | DSP With 12 sound effcts like Applause, cheer, Laughter & many more. | |  | |  | |  | |  | |  | |
| 5 | | | Control | | Sound control like Bass,Treble & Echo. | |  | |  | |  | |  | |  | |
| 6 | | | Device Inputs | | Dual device inputs via cable-Broadcast Via one, Record on the other. | |  | |  | |  | |  | |  | |
| 7 | | | Working Hours | | 6-8 Hours of Playtime on a rechargeble battery | |  | |  | |  | |  | |  | |
| 8 | | | External | | Monitor Audio Privately via earphones or headsets or amplify the sound to external speakers | |  | |  | |  | |  | |  | |
| 9 | | | Warranty (On Site with NBD) | | Minimum 3 (Three) Years | |  | |  | |  | |  | |  | |

**Sign:**

**For and on behalf of the Bidder**

**Name :**

**Seal:**

**Date :**

**Place :**

**ANNEXURE – II : BILL OF QUANTITY &FINANCIAL BID**

To

The Registrar,

**Odisha University of Technology and Research**

**Formerly College of Engineering and Technology**

**Techno-Campus, Mahalaxmi Vihar**

**Bhubaneswar-751029**

Reg. - Tender for “**Supply of Equipment for Smart Classroom at OUTR”**, – Financial Bid

Sir,

This has reference to your tender for “**Supply of Equipment for Smart Classroom at OUTR”**, followed by my technical bid. I have read all the terms and the conditions as stipulated in the technical and financial bid. I am ready to execute the Work order as mentioned in the tender documents. I have gone through all the terms and conditions contained in the agreement and already given my acceptance for it. I confirm that I fulfil the eligibility criteria as stipulated by you in the tender.

I offer my rate in INR as under:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Item Description** | **“A” Qty** | **“B”**  **Unit Price** | **“C”**  **Unit price GST %** | **“D=B+C”**  **Unit Amount with GST** | **“E= D X A”**  **Total Unit Amount with GST** |
| 1 | **ITEM A:- Multitouch Display with complete proper installation as per guidance of OUTR authority.** | 50 Nos. |  |  |  |  |
| 2 | **ITEM C:- Specification of Active Speaker Setwith complete proper installation as per guidance of OUTR authority.** | 50  Nos. |  |  |  |  |
| 3 | **ITEM D:- Specification of Wireless Lavalier Microphone, Microphone Features ( Transmitter)&ITEM D "(1)":- RECEIVER Featureswith complete proper installation as per guidance of OUTR authority.** | 50  Nos. |  |  |  |  |
| 4 | **ITEM E:- Specification of Karaoka Mixer** | 50  Nos. |  |  |  |  |
|  | **TOTAL OF THE ABOVE** | | | |  |  |
|  | **TOTAL AMOUNT IN WORDS :** | | | | | |

# Please note the following:

1. All quoted prices should be **inclusive of freight, Insurance, taxes and duties up to the Stores of OUTR,** prevailing on the date of proposalsubmission.
2. Since the price proposal is in INR, OUTR shall not consider any upward variation/ fluctuation on account of any foreign exchange at any time during the currency of the contract.
3. The OUTR may increase and decrease the quantity of BoM at the time of issuing work order at their own discretion and bidder will accept thesame.
4. **Warranty on all products must be for 3 years and on-site with NBD support for 36 months**from the date of Successful Installation. Warranty will become effective from the date of Successful Installation for complete solution comprising both hardware andsoftware.
5. The prices are also valid for a **period of 90 days from issuance of Purchase order and OUTR may place a order to successful bidder for any quantity required as perBoM.**

# Other than what is given above, the bidder is expected to account for any other deliverable to make the implementation successful and will be considered for commercial evaluation.

Sign:

For and on behalf of the Bidder

**Name :**

**Seal:**

Date :

Place :

##### Annexure -III

##### PERFORMANCE BANK GUARANTEE

To:

The Registrar,

**Odisha University of Technology and Research**

**(Formerly College of Engineering and Technology)**

**Techno-Campus,MahalaxmiVihar**

**Bhubaneswar-751029**

**WHEREAS** ................................................................... (Name of Supplier)

hereinafter called "the Supplier" has undertaken, in pursuance of Contract No................. dated,......... 20... to supply...................... ................................................. (Description of Goods and Services) hereinafter called "the order".

**AND WHEREAS** it has been stipulated by you in the said order that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the order.

**AND WHEREAS** we have agreed to give the Supplier a Guarantee:

**THEREFORE WE** hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of ................................... ........................................ (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the order and without cavil or argument, any sum or sums within the limit of ................................ (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the ........day of...................20......

Signature and Seal of Guarantors

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................................

................................

Date......................20....

Address:........................

................................

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**N.B:- The Bidder must put the Signature with Seal in the all pages of the tender copy before submission, Failing which Bids shall be treated as non-responsive and rejected by the authorities.**