



Basic Details

Organisation Chain	IIT BHUBANESWAR		
Tender Reference Number	IITBBS/SE/Engg section/46/2025-26		
Tender ID	2025_IITBR_890667_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Direct Credit
	2	Demand Draft
	3	FDR

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Technical bid
2	Finance	.xls	Financial bid

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	2,36,650	EMD Exemption Allowed	No
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Registrar IIT Bhubaneswar	EMD Payable At	Bhubaneswar

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Work /Item(s)

Title	Electrical works				
Work Description	SITC of Electrical, Audio visual, Networking works in Seminar room at various schools of IIT Bhubaneswar				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	1,18,31,753	Product Category	Electrical Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	60
Location	Main Building, 3rd floor IIT Bhubaneswar, Argul	Pincode	752050	Pre Bid Meeting Place	Engineering Section
Pre Bid Meeting Address	Engineering Section 3rd floor main building IIT Bhubaneswar Argul Jatni Dist-Kho0ha, Odisha	Pre Bid Meeting Date	23-Dec-2025 11:30 AM	Bid Opening Place	Engineering Section
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	19-Dec-2025 05:00 PM	Bid Opening Date	02-Jan-2026 02:30 PM
Document Download / Sale Start Date	19-Dec-2025 05:05 PM	Document Download / Sale End Date	01-Jan-2026 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	19-Dec-2025 05:30 PM	Bid Submission End Date	01-Jan-2026 02:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
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	1	Tendernotice_1.pdf	SITC of Electrical, Audio visual, Networking works in Seminar room at various schools of IIT Bhubaneswar		4232.36
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_936173.xls	Financial bid	306.50

Auto Extension Corrigendum Properties for Tender		
Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	3	7
2.	3	7
3.	3	7

Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sambit@iitbbs.ac.in	Sambit Ranjan Mohanty	SAMBIT RANJAN MOHANTY
2.	diptiranjana@iitbbs.ac.in	Dipti Ranjan Pattanaik	DIPTI RANJAN PATTANAIK
3.	biswaranjan@iitbbs.ac.in	BISWARANJAN PRADHAN	BISWARANJAN PRADHAN

Tender Properties			
Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compative chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking			
S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority	
Name	SE(Civil)
Address	3rd floor main building IIT Bhubaneswar Argul Jatni Dist-Kho0ha, Odisha

Tender Creator Details	
Created By	Dipti Ranjan Pattanaik
Designation	Assistant Executive Engineer(Civil)
Created Date	19-Dec-2025 04:46 PM



INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR
ARGUL, JATNI, KHORDHA 752050

E-TENDER DOCUMENT

For

**SITC of Electrical, Audio visual, Networking works in Seminar room at various
Schools of IIT Bhubaneswar.**

Notice Invitation Tender Serial No. IITBBS/Engg. Section/46/2025-26
dated. 19.12.2025



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Indian Institute of Technology Bhubaneswar

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NIT amounting to ₹ 1,18,31,753.30 (Rupees one crore eighteen lakhs thirty one thousand seven hundred fifty three and paise thirty)only is approved.

[Certified that this N.I.T. contains 50 pages + BOQ contains 10 pages Total 60 pages only].

Superintending Engineer (Civil)
IIT Bhubaneswar



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

Indian Institute of Technology Bhubaneswar

1. NOTICE INVITING E-TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Bhubaneswar, hereinafter called IITBBS, invites sealed tender from the eligible bidder for “SITC of Electrical, Audio visual, Networking works in Seminar room at various Schools of IIT Bhubaneswar” particulars of the project are as following.

1.2. PARTICULARS

1. NIT Number	NIT No. IITBBS/SE/Engg.Section/46/2025-26
2. Name of work	SITC of Electrical, Audio visual, Networking works in Seminar room at various Schools of IIT Bhubaneswar
3. Location of work	IIT Bhubaneswar, Argul, Jatni-752050
4. Estimated cost (including GST)	₹ 1,18,31,753.30 (Rupees one crore eighteen lakhs thirty one thousand seven hundred fifty three and paise thirty)only
5. Time Limit for Execution	02(three) months from date of start.
6. Tender Basis and Mode	L-1 basis ,Two stage (Technical bid and Financial bid)
7. Earnest Money Deposit	₹ 2,36,650/- (Refundable without interest) The intending bidder has to fill all the details of EMD such as multiple Demand Draft/ Fixed Deposit Receipts amount and date.
8. Mode of payment to IITBBS (EMD/tender fee)	i. Original Demand Draft (DD) / FDR has to be submitted physically at the office of SE (Civil) on or before the due date/extended date of submission of bid or may be paid by depositing in the bank account (as mentioned in Clause 2.1.15 of general instructions) & Scanned copy of Demand Draft / FDR/ online payment acknowledgement slip has to be uploaded on https://eprocure.gov.in/eprocure /app ii) Demand draft / FDR to be drawn in favour of Registrar, IIT Bhubaneswar payable at Bhubaneswar
9. Closing date & Time for Receipt of bid.	Dt.01.01.2026 at 2.00 P.M
10. Date & Time for opening technical of bid	Dt.02.01.2026 at 2.30 P.M
11. Pre-bid meeting(Online/Offline)	Dt.23.12.2025 at 11.30 A.M
12. Engineer-in-charge and contact detail	Superintending Engineer(Civil), IIT Bhubaneswar Argul Jatni, Dist-Khordha, Odisha
13. Address for tender issue, submission and opening	Office of the Superintending Engineer (Civil), 3 rd Floor, Main Building, IIT Bhubaneswar, Jatni, 752050, Odisha.
14. Website for full and updated information	www.iitbbs.ac.in or https://eprocure.gov.in/eprocure/app

1.3 ELIGIBILITY CRITERIA

- 1.3.1 The bidder must have completed value of works as given below with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization/Universities/Reputed Higher



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Educational Institution during last 7 (seven) years ending previous day of last date of bid submission.

- i) At least ONE similar work of value 80% of the estimated cost
Or
- ii) TWO similar works for projects each of value 60% of the estimated cost
Or
- iii) THREE similar work for projects each of value 40% of the estimated cost;

Similar Works shall mean: Providing and fixing of Electrical, Audio visual work of a Seminar halls/Conference rooms/ AV studio

- 1.3.3 The Bidder should have experience of doing business, sales, service and integration in Seminar Halls/Conference Rooms AV studio (Proof of having executed such work should be attached). Work Completion certificate/Satisfactory report from client for the similar work must be submitted & the same must be issued not below the rank of Executive Engineer or equivalent cadre. Completion certificate issued by Competent Authority will be considered as credential. If the Completion certificate issued by the Competent Authority does not reflect the type of work, then Final bill/ Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates.
- 1.3.4 The bidder must have GST registration certificate and Permanent Account Number of income tax. The validity of the registrations should be valid as on the date of tender submission.
- 1.3.5 The average annual financial turnover for any 3(three) consecutive financial years from FY 2021-22, FY 2022-23, FY 2023-24 and FY 2024-25 should be at least 75% of the estimated cost of the above work. The details are to be submitted at **Annexure-J** (Financial turn over including CA certified statements).
- 1.3.6 Agencies that are debarred or blacklisted by any Govt. Departments are not eligible to participate in the tender. An undertaking is to be submitted along with the bid as per **Annexure-E** by the bidders to the effect that during the last 3 year period prior to the bid notification date they are not debarred or blacklisted by any Govt. Department. In case, it is found at later stage that the bidder is a blacklisted company declared by any Govt. Department then the works shall be withdrawn, and EMD/bid security payable amount against the work, if any, will be forfeited.

Superintending Engineer (Civil)

On behalf of Director, Indian Institute of Technology Bhubaneswar

Copy to:

- 1. Prof. Sumanta Haldar
- 2. Prof. Debi Prasad Dogra
- 3. Prof. Venugopal A
- 4. Chairperson, CITSC, IIT Bhubaneswar
- 5. Registrar, IIT Bhubaneswar
- 6. Chairperson(Infrastructure)/ Co-chairperson (infrastructure), IIT Bhubaneswar
- 7. Executive Engineer(Civil/Electrical), IIT Bhubaneswar
- 8. Electronic & Media Engineer, IIT Bhubaneswar
- 9. Deputy Registrar (F&A) / Assistant Registrar(F&A), IIT Bhubaneswar
- 10. Notice Board/ Tender notice uploaded on CPP Portal and Institute website.



2. INFORMATION TO BIDDER

2.1. GENERAL INSTRUCTIONS

- 2.1.1 Bidding documents are to be obtained electronically through websites: <https://www.iitbbs.ac.in> or <https://eprocure.gov.in/eprocure/app>.
- 2.1.2 This bid document shall be read in conjunction with CPWD GCC (General Conditions of Contract-2023- Construction works) <https://cpwd.gov.in/Documents>.
- 2.1.3 The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.
- 2.1.4 All clarifications about the tender shall be sought by bidder on or before pre-bid meeting. The bidder may make suggestions which shall be considered during the Pre-bid Meeting. Intending bidder(s) may also send their queries or suggestion, if any, through e-mail to the Engineer-in-charge on or before pre-bid meeting. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.
- 2.1.5 The bidding document (consisting of specifications, the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents/drawings, if any), Addendums/Corrigenda, Clarifications to pre-bid queries, if any, shall be published only on the website any time before the closing time of tender and the same can be downloaded from the Institute website. The Institute shall not be responsible for any delay / difficulties /inaccessibility of downloading facility for any reason whatsoever. The Bidder who has downloaded the Tender documents from website must visit the website and ensure that such addendum/corrigendum (if any) is also downloaded by them. This shall be the responsibility of the prospective registered bidder to check the website for any such corrigendum/addendum before closing time of bid and ensure that bids submitted by them are in accordance with all the corrigendum's/addendums.
- 2.1.6 All costs, charges and expenses that may be incurred in connection with the preparation of the tender shall be borne by the bidder and the Institute accepts no liability whatsoever thereof.
- 2.1.7 Rates quoted by the bidder shall be inclusive of GST (Goods and Services Tax- Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.
- 2.1.8 Exemption to IITBBS against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITBBS after award shall be passed on to IITBBS by the bidder without dispute.
- 2.1.9 IITBBS reserves the right to reject any or all of the bids without assigning any reason thereof.
- 2.1.10 Bid Validity: Bid shall remain valid for 120 days from the date of opening of Tender document.
- 2.1.11 Firm Price: Bidder's quoted Rates/Prices for executing the activities under the contract shall remain firm till completion of the entire work and shall not attract any escalation under any circumstances, whatsoever.
- 2.1.12 If any information furnished by the bidder is found to be false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases, the bidder will be debarred from participation in future tender process in IITBBS for next 2 (two) years.



- 2.1.13 Refund / Conversion of Earnest Money Deposit: The Earnest Money received shall be returned to the unsuccessful bidders without any interest after award of the work/finalisation of the Tender. The EMD of successful bidder shall be returned on submission of performance guarantee.
- 2.1.14 The intending bidder can pay the amount of EMD through Demand Drafts/ Fixed Deposit Receipts from any Scheduled Bank drawn in favour of **Registrar, IIT Bhubaneswar** / online in the below mentioned account details.

Details of Account Holder:

Name of the Account: IIT Bhubaneswar

Address: Indian Institute of Technology, Arugul, Jatni-752050

Bank Accounts Details:

Institute's Bank Name: ICICI Bank Limited

Branch Name with Address: Nangalia Complex, Main Road, Jatni, Dist- Khordha, Odisha-752050

Complete Bank Account Number: 006101055198

IFSC Code of the Branch: ICICI0001985

MICR Code: 751229009

SOL ID: 1985

The Institute will not be responsible for deposit of the EMD by the bidder in wrong account number or failure in online deposit due to any reasons.

Bids without valid EMD will be rejected summarily.

- 2.1.15 EMD shall be placed in single sealed envelope superscripted as “Earnest Money” with name of work and due date of opening of the tender also mentioned thereon. Copy of certificate of work experience wherever applicable and other documents if required and specified in this bid document shall be scanned and uploaded in the e-tendering website within the period of tender submission and **certified copy of each shall be deposited in a separate envelope** marked as “Other Documents” in the office of Superintending Engineer, IIT Bhubaneswar, Argul before the due date and time mentioned in the NIT.
- 2.1.16 The envelope containing EMD shall be submitted in the office of Superintending Engineer, IIT Bhubaneswar, Argul before the last date and time of submission of tender. Online tender documents submitted by intending bidder shall be opened only for those bidder, who have submitted Earnest Money Deposit, other documents as per the tender requirement and are found in order.
- 2.1.17 Forfeiture of Earnest Money Deposit: Earnest Money Deposit (EMD) will be forfeited in any of the following cases.
- The bidder withdraws / modifies his tender during the period of Bid Validity.
 - The bidder, in case of tie between lowest bids, refuse to submit revised offer.
 - The bidder does not accept the correction of arithmetical errors of his Tender.
 - The bidder refuse to accept the terms and conditions of the NIT after submission of bid for the Tender.
 - The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time before award of the work.
- 2.1.18 The Tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed, terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded either from



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website www.iitbbs.ac.in or <https://eprocure.gov.in/eprocure/app> and shall be submitted online through website <https://eprocure.gov.in/eprocure/app>.

2.1.19 The following documents are to be uploaded along with Tender.

- ii) Required Experience / completion certificates with relevant work order copy for similar nature of works
- iii) Certificate of EPF with latest EPF slip deposit & ESIC.
- iv) Copy of E.M.D. has to be uploaded and the original EMD document to be submitted in the office.
- v) Undertaking by bidder (Annexure-B)
- vi) Undertaking for GCC Compliance (Annexure-C)
- vii) Bid security declaration form (Annexure-D)
- viii) Undertaking regarding black listing/non debarment (Annexure-E)
- ix) Details about bidding agency (Annexure-I)
- x) Check list (Annexure-M)
- xi) Certificate of financial Turnover from Chartered Accountant as per **Annexure-J**.

The intending bidder has to fill all the details of EMD such as multiple Demand Draft/ Fixed Deposit Receipts amount and date.

2.1.20 Bidder can upload documents in the form of JPG format and PDF format.

2.1.21 The black listed/banned Bidders of the Institute as given below are not eligible to participate in the Tender.

Sl No.	Name of the Vendor/ bidder	Period of ban
01.	M/s. Lalit Mohan Nanda 21ACZPN4861B1ZI	2 years with effect from 28.05.2024
02.	M/s. Siddhiksha Powertech GST No. 19BIIPP2872A1Z7	2 years with effect from 06.08.2024
03.	M/s. Irfan Ahmad GST No. 07AEPPA2622H1ZS	2 years with effect from 03.09.2025

2.1.22 Agreement shall be drawn with the successful bidder on prescribed Standard Form as mentioned in these tender documents. Bidder shall quote their rates as per various terms and conditions of the said form, which will form part of the agreement.

2.1.23 The time allowed for carrying out the work will be **12(twelve) months from** the date of start mentioned in the work order or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the Tender document.

2.1.24 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.iitbbs.ac.in and shall be submitted online on website [www.eprocure.gov.in](https://eprocure.gov.in). Other necessary documents also can be seen in the office of the Superintending Engineer, Engineering Section, IIT Bhubaneswar during hours of 10:00 AM to 5:00 PM on any working day.

2.1.25 After submission of the tender, the bidder can re-submit revised tender any number of times but before last time and date of submission of Tender as notified.

2.1.26 The bidder whose tender is accepted will be required to furnish performance guarantee of



5% (Five Percent) of the tendered amount within the period specified in **Schedule B**. **If the bidder quotes more than 10% below the estimated cost, the bidder has to deposit additional performance guarantee on the differential amount between the quoted amount and 90% of the estimated cost within the period specified in Schedule F**. This guarantee shall be deposited through

- i) Demand Draft drawn in favour of **Registrar, IIT Bhubaneswar** from any Scheduled Bank
- or
- ii) Fixed Deposit Receipts pledged to **Registrar, IIT Bhubaneswar** from any Scheduled Bank

In case the bidder fails to deposit the said performance guarantee within the period as indicated in Schedule ‘E’, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice to the bidder.

- 2.1.27 Intending bidder is advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. The bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at their own cost all materials, planks, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tenders by bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work and local conditions and other factors having a bearing on the execution of the work.
- 2.1.28 The competent authority on behalf of the Director, IIT Bhubaneswar does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without assigning any reason there to. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidder shall be summarily rejected.
- 2.1.29 Canvassing whether directly or indirectly, in connection with tender is strictly prohibited and the tender submitted by the bidder who resort to canvassing will be liable for rejection.
- 2.1.30 The competent authority on behalf of Director, IIT Bhubaneswar reserves to himself the right of accepting the whole or any part of the Bidder and the tender shall be bound to perform the same at the rate quoted.
- 2.1.31 The bidder shall not be permitted to tender for works in the IIT Bhubaneswar, in which his near relative is posted in Accounts Section or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT



Bhubaneswar. Any breach of this condition by the bidder would render him ineligible for participating in future tender at IIT Bhubaneswar.

2.1.32 No Engineer of gazetted Rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a bidder for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the bidder or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

2.1.33 This Notice Inviting Tender shall form a part of the work order/Agreement.

a) The Notice Inviting Tender, all the documents including additional conditions, Tender Schedule, Scope of Work etc, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.

b) Standard form of Agreement of the work as per Annexure-A.

The tender document will include following three components

Part A:-

Standard form of Agreement of the work as per Annexure-A, Standard General Conditions of Contract of CPWD 2023 for **Construction work** as amended/modified up to date.

Part B:-

General/specific conditions, specifications and schedule of quantities applicable to major components of the work.

Part C:- Schedule A to F for minor component of the work. Competent authority (SE) under **clause 2** and **clause 5** as mentioned in schedule A to F for major components, General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

2.1.34 The bidder has to fill and submit the details specified in Annexure-A to D and F to I after submission of Letter of Acceptance failing which the bid will be rejected.

2.1.35 **Price Preference Policy and Exemption** for submission of various eligibility criteria documents to the Bidder registered under Make in India Initiative:

The bidders who are registered under Make in India Initiative and producing their products under the **“Make in India Policy of Government of India”** shall be given price preference as per Govt. of India applicable Rules and Guidelines on submission of relevant certificate for availing the price preference and exemption for submission of exempted documents against this bid along with their Pre-Qualification Bid Documents. If the certificate is not uploaded along with their offer, it will be treated as normal bidder. Producing certificates at a later stage will not be considered.

2.1.36 Bidders are advised to go through the Make in India initiative and Price Preference Policy before opting the same for availing benefit under this initiative.

2.1.37 It should be noted that this tender is subject to the provisions contained in Government of India, Ministry of Commerce & Industry, Department for Promotion of Industry and Internal Trade (Public Procurement Section) Order No. **P-45021/2/2017-PP (BE-II)** dated **04.06.2020** and all other relevant orders issued by the Government of India from time-to-time.



- (a) The ‘Class-I local supplier / Class-II local supplier’ at the time of tender bidding or solicitation shall be required to indicate percentage of local content and provide self-verification that the item offered meets the local content requirement for Class-I local supplier / Class-II local supplier, as the case may be. They shall also give details of location(s) at which the local value addition is made.
- (b) In cases of procurement for a value in excess of **Rs. 10.00 Crore**, the ‘Class-I local supplier / Class-II local supplier’ shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- (c) False declaration will be in breach of the Code of Integrity under **Rule 175(1)(i)(h)** of the **GFR-2017** for which a bidder or its successors can be debarred for up to **two (02) years** as per **Rule 151(iii)** of the GFR-2017 along with such other actions as may be permissible under law.



2.2 SUBMISSION OF TENDER:

- 2.2.1 Help for bidder, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal i.e. <https://eprocure.gov.in/eprocure/app>.
- 2.2.2 It is mandatory for all the bidder to have a valid Class-II/Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidder can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement of Central Public Procurement Portal.
- 2.2.3 It is mandatory for the bidder to get their firm /company registered with e-procurement portal <https://eprocure.gov.in/eprocure/app> to have user ID & password.
- 2.2.4 Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.
- 2.2.5 The tender document shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers except Bill of Quantities are to be submitted in "Technical Bid".
- 2.2.6 The "Financial Bid" has to be filled online and no physical submission of the Financial Bid is required.
- 2.2.7 Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only if such person presents the letter of authority issued in his name by the bidder on his letterhead.
- 2.2.8 The bidder cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app> ("Server System Clock Time") shall be final and binding on the bidder. e-bids are required to be submitted by bidder, only as per the Indian Standard Time (IST) and not the time as per their location/country.
- 2.2.9 The bidder are advised to submit their e-bids well before the e-bid due date. IIT Bhubaneswar shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.
- 2.2.10 The Technical and Financial Bids shall be digitally signed by the Authorised Signatory of the bidder and submitted "on-line" only. The authorised signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid. Scanned copies of various documents can be prepared in .pdf file format.
- 2.2.11 **Any tender received without original Earnest Money in the form as specified in clause 1.2 at Sl.No.8 of this tender document shall not be considered and shall be summarily rejected.** IIT BHUBANESWAR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT Bhubaneswar's assessment of suitability as per the eligibility criteria shall be final and binding. Tenderers may note that they are liable to be disqualified at any time during



tendering process in case any of the information furnished by them is not found to be true. The decision of IIT Bhubaneswar in this regard shall be final and binding.

- 2.2.12 The sealed EMDs shall be received at the Office of Superintending Engineer (Civil), 3rd Floor, Main Building, IIT Bhubaneswar-752050 before the due date of submission as mentioned in **Para-1.2 at Sl.No.9** or Corrigenda otherwise. EMD received after the due date and time shall not be considered.

2.3 EVALUATION OF BIDS AND AWARD OF WORK

- 2.3.1 The Bids of bidder will be opened on the specified date and time. Bids shall, first, be checked for payment of Earnest Money i.e. Bid of bidder will be opened on the specified date and time. Bids shall, first, be checked for payment of Earnest Money.
- 2.3.2 The Bids of bidder will be opened electronically on the specified date and time of opening at the Engineering Section, 3rd floor, Main Building in the presence of willing bidder or their authorised representatives.
- 2.3.3 Evaluation of Technical Bid: The bids received will then be assessed on the eligibility criteria mentioned at Para1.3 of Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.3.4 IITBBS retains the right to revert back to individual bidder with further clarifications/ queries on the Technical Bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter.
- 2.3.5 Financial bids of the technically qualified bidders will only be opened. However, if a bidder does not quote any percentage above/below on the total amount of the tender, the tender shall be treated as invalid and will not be considered as lowest tender.
- 2.3.6 Letter of Acceptance: LOA will be issued to the L1 bidder (hereafter referred to as contractor) & the L1 bidder is required to furnish a Performance Guarantee as per **Clause 2.1.26** within the schedule time & extension if any.
- 2.3.7 Work Order will be issued after receipt of the Performance Guarantee.
- 2.3.8 Agreement (Contract) as per the format attached at Annexure-A shall be executed with the awardee within 15 days from the issue of Work Order.
- 2.3.9 Date of start of work shall be reckoned from the 10th day of the issue of the Letter of Acceptance.
- 2.3.10 **Defect Liability Period (DLP): 1(one) year from the date of completion of work.**



Annexure-A

Standard form of Agreement

INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Tender for the work of

.....
.....

(i) To be Submitted/uploaded by..... hours on
To...../upload at <https://eprocure.gov.in>

(ii) To be opened in presence of bidder who may be present at hours on
..... in the office of

TENDER

I/we have read and examined the notice inviting tender, Schedule, A, B, C, D, E and F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/we hereby tender for the execution of the work specified for the Institute within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawing and instructions in writing referred to General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/we agree to keep the tender open for days from the due date of its opening in case of single bid system from the date of opening of technical bid in case tender are invited on 2 /3 bid/ system for specialised work and not to make any modification in its terms and conditions.

I/we have deposited EMD for the prescribed amount in the office of concerned Superintending Engineer as per the bid document.

A copy of EMD receipt of prescribed amount deposited in the form of Multiple Demand Draft/ Fixed Deposit Receipts (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/we, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the Superintending Engineer or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/ we agree that Superintending Engineer or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender document.



Further, I/we agree that in case of forfeiture of EMD or Performance Guarantee as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been executed through another agency on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in IIT Bhubaneswar in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived therefrom to any person other than a person to whom I/we am/are authorised to communicate the same or use the information in any manner prejudicial to the safety and integrity of IIT Bhubaneswar.

The letters referred to below shall form part of this contract agreement:

- (a)
- (b)
- (c)

Dated

Signature of bidder

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above bidder (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director, IIT Bhubaneswar for a sum of Rs.
(Rupees)

For & on behalf of the Director,
IIT Bhubaneswar

Dated:

Signatures
Designation.....



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

Indian Institute of Technology Bhubaneswar

PROFORMA OF SCHEDULES

The amendments of schedules as per CPWD General Condition of Contract (GCC) 2023 for **construction work** is described below:

SCHEDULE 'A'

Schedule of Quantities: **Annexure-M**

SCHEDULE 'E'

Reference to General Conditions of Contract

Name of Work:	As described in Sl. No.1.2.2	
Estimated cost of the work:	Civil Work	As described in Sl. No.1.2.4
Earnest money	As described in Sl. No.1.2.7	
Performance Guarantee and LOI	5% of the quoted value of the composite work will be deposited as Performance Security. If the bidder quotes 10% below the estimated cost the bidder has to deposit additional performance security & the differential amount between the quoted amount and 90% of the estimated cost. The performance security shall be refunded after satisfactory completion of the work and recording of the completion certificate. The agency has to visit the site and attend the office for a meeting to start the work within ten days of issue of Letter of Intent.	
Security Deposit	Security deposit @ 5% of the gross amount of the bill shall be deducted from all running account and final bills and will be kept as security deposit by IIT Bhubaneswar. S.D can be released after completion of the defect liability period from the date of completion of work.	

SCHEDULE 'F'

General rules and direction:

Officer inviting tender

:

**Superintending Engineer,
Engineering Section
IIT Bhubaneswar**



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Definitions:

2(vi)	Engineer-in-Charge	:	Superintending Engineer, Engineering Section IIT Bhubaneswar
2(viii)	Accepting Authority	:	Superintending Engineer, Engineering Section IIT Bhubaneswar
2(x)	Percentage on cost of materials and labour: to cover all overheads and profits Standard Schedule of Rates applicable	15% :	 Market rate
2(xi)	Department	:	IIT Bhubaneswar.

Clause 1

- (i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance: **7 days**.
- (ii) Maximum allowable extension for submission of Performance Guarantee with proper justification acceptance to the Competent Authority including the time allowed in (i) above: **15 days**.

Clause 2

Authority for fixing compensation: **Superintending Engineer,
Engineering Section
IIT Bhubaneswar**

Clause 5

Authority to decide:

- (i) Extension of time: Superintending Engineer
- (ii) Rescheduling of milestone: Superintending Engineer
- (iii) Shifting of date of start in case of delay in handing over of site: Superintending Engineer

Clause 6 Computerised Measure Book (CMB) / Manual Measurement Book (MB)

Mode of measurement: CMB

Clause 7A

Whether clause 7A shall be applicable: Yes



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Indian Institute of Technology Bhubaneswar

Clause 8A

Authority to decide compensation on account if contractor fails to submit completion plans :

Superintending Engineer Civil

Clause 10B (ii) Mobilization advance

Whether Clause10B (ii) shall be applicable No

Clause 10 C

Component of labour expressed as percent of value of work 30%

Clause 10 CC

Not Applicable

Clause 11

Specifications to be followed for execution of work CPWD specification 2019 (Vol-I & II) & details described in the BOQ.

Clause 12

Deviation limit beyond which clauses 12.2 & 12.3 shall be applied.	Not Applicable & Accepted Rate will be constant for any quantum of variation
--	--

Clause 16	Competent Authority for Deciding reduced rates:	Superintending Engineer, Engineering Section IIT Bhubaneswar
Clause 17	Contractor liable for damages, defects during defect liability Period	1(one) year from the date of completion of work.
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As the requirement of the work

Clause 19C Authority to decide penalty for each default : Superintending Engineer

Clause 19D Authority to decide penalty for each default : Superintending Engineer

Clause 19G Authority to decide penalty for each default : Superintending Engineer

Clause 19K Authority to decide penalty for each default : Superintending Engineer

Clause 25

Constitution of Dispute Redressal Committee (DRC) : As decided by the competent authority of the Institute.

Arbitrator appointing Authority: As decided by the competent authority of the Institute.

Place of Arbitration: **Bhubaneswar**



SCOPE OF THE WORK & SPECIFICATIONS

- A. The Seminar Halls is proposed to be constructed within the existing room currently being used as the SECS, SIF, SMS, SEOCS & SMMME, IIT Bhubaneswar. The layout of the rooms are attached in this tender document for reference.

AV works

1. SITC of projector with 6500 lumens

SITC of Projector with 6500 lumens, WUXGA resolution, LCD projector with Laser light source, HDMI X 3(CEC Supported), VGA X 1, VGA Out x 1, RS232 IN X 1, LAN X 1, Remote IN X 2, Digital Link (HD Base-T), 20,000 hours life, Geo. Correction, 360 degree rotation, USB Memory viewer, Auto Image rotation, fade in-out, 30,000,00:1 Contrast ratio, 4K@60Hz Input support, includes standard lens with throw ratio 1.6 - 2.76 :1 Throw ratio : 0.8 -1.0 :1(Short throw zoom) with Ceiling Mount Kit. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

2. SITC of 133”(16:9) Projector Screen

SITC of 133”(16:9) Projector screen with Tubular Motorized screen with LVC, I.R Remote and comes with Matte White Fiberglass Fabric. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

3. Commercial Android display

SITC of 65-inch UHD commercial Android display with a 3840x2160 resolution, 400 nits brightness, and 24/7 operational capability, 4K Ultra HD IPS display with minimum 400 NITS brightness, Built in Speaker(10W + 10W), Cortex-A55 x4, 1.1GHz, Mali G31 MP2, Open GL ES3.2, Bluetooth, Built-In WI-FI, 16 GB Inbuilt Memory, 2 GB RAM, Built In Android 11 OS, along with a heavy-duty movable, swivel and rotatable wall- mount bracket and flexible viewing angle adjustment. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

4. Digital podium

SITC of Digital Podium with 21.5" display, HDMI, USB connectivity, i7 12Gen, 16 RAM PC, indode 19" Rack. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

5. Wall mount loudspeakers

SITC of IP 66 Rated weatherized Full range Passive wall mount loudspeaker with LF: 6" or better, HF: 1" or better having Frequency Response (+/-3 dB) : 65Hz - 20 kHz or better, RMS power : 60 W at 8 Ohms or better, Maximum SPL: 106 dB or better, Sensitivity: 89 dB or better, Dispersion: 120 degree X 120 degree or better, OEM mounting arrangement to be supplied. CE Certification or more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

6. Quad channel power amplifier

SITC of Quad Channel power amplifier, RMS/AES power handling @ 4 Ω : 4 x 250 W, @ 8 Ohms : 4 x 130 W, @ 8 Ohm Bridge : 2 x 500 W, Frequency response: 20 Hz - 20 kHz, Signal / Noise: > 90 dB, THD+N (@ 1 kHz): < 0.1%, Crosstalk (@ 1 kHz): > 70 dB, Technology: Class-D, Inputs sensitivity: 0 dB (1V RMS), Protection: DC Short circuit; Overheating; Over load; Signal limiting; Convection cooled,



should be energy star rated, etc., Should have Inbuilt Crossover, CE Certification or more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. 1 76,160 7 SITC of Full rack 19" 1RU processor mainframe with sixteen user-configured card slots. Selectable 48 & 96 kHz sampling rates. Integrated license-activated AEC. Dual core processing 40-bit floating DSP .Front panel OLED display with jog wheel. Rear panel includes an Ethernet module with RJ45 connector and internal power supply connection with built-in MOD-Dante-ETH module already pre-installed into the Dante mainframe to provide 64x64 I/O channels of Dante network audio. Dual RJ45 Dante and single RJ45 Ethernet connectors.10 ch Mic/Line input with selectable mic, line, mic gain, and phantom power per input. 32-bit analog to digital converters. 4ch Line output. 32-bit digital to analog converters. 2ch input + 2ch output USB audio. Software license activated AEC. 8ch of AEC @ 250ms delay / 16ch @ 100ms. Single-device (chassis) use is permitted, but the combination of devices is not accepted. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

7. Digital Signal Processor

SITC of Full rack 19" 1RU processor mainframe with sixteen user-configured card slots. Selectable 48 & 96 kHz sampling rates. Integrated license-activated AEC. Dual core processing 40-bit floating DSP .Front panel OLED display with jog wheel. Rear panel includes an Ethernet module with RJ45 connector and internal power supply connection with built-in MOD-Dante-ETH module already pre-installed into the Dante mainframe to provide 64x64 I/O channels of Dante network audio. Dual RJ45 Dante and single RJ45 Ethernet connectors.10 ch Mic/Line input with selectable mic, line, mic gain, and phantom power per input. 32-bit analog to digital converters. 4ch Line output. 32-bit digital to analog converters. 2ch input + 2ch output USB audio. Software license activated AEC. 8ch of AEC @ 250ms delay / 16ch @ 100ms. Single-device (chassis) use is permitted, but the combination of devices is not accepted. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

8. Digital Wireless UHF Handheld microphone

SITC of Digital Wireless UHF handheld microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine-tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have a minimum 100 meter transmission range. It should have a Cardioid pick-up pattern, Sound pressure level (SPL): 150 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz- 20000 Hz. The microphone system can be controlled through iOS / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty

9. Digital Wireless UHF lapel microphone

SITC of Digital Wireless UHF lapel microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have min 100 meter transmission range. It should have Omni-directional pick-up pattern, Sound pressure level (SPL) : 130 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz- 20000 Hz. The microphone system can be controlled through iOS / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty



10. Digital wireless UHF Headset microphone

SITC of Digital Wireless UHF Headset microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have min 100 meter transmission range. It should have cardioid pick-up pattern, Sound pressure level (SPL) : 150 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz- 20000 Hz. The microphone system can be controlled through ios / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

11. Charging set with USB charger

SITC of Charging set with USB charger and 2 rechargeable battery packs for handheld and body pack transmitter. It should charge 100% battery power in max. 3 hours charging time. Maximum operating time of 12 hours. Stackable and charging is through USB-C. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

12. SITC of professional 4x4 HDMI 2.0 Matrix switcher

SITC of Professional 4x4 HDMI 2.0 Matrix Switcher with Audio Matrix. It includes 4 HDMI inputs, 4 HDMI outputs and the last two outputs with down-scaling function, which is designed for switching two HDMI2.0 and HDCP2.3 compliant signals. It also features 4 SPDIF and 4 analog audio outputs for the audio matrix. The matrix switcher features comprehensive EDID management and advanced HDCP handling to ensure maximum functionality with a wide range of video sources. It not only supports bi-directional IR, RS232 extension but also has IR, RS232, and TCP/IP control options. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

13. SITC of point to point extender set

SITC of point to point extender set for HDMI 2.0 and IR signals. This kit supports 4K/UHD video @ 60 Hz with 4:4:4 Chroma sampling, as well as HDMI data rates up to 18 Gbps, HDCP 2.2 compliant. It provides HDMI transmission up to 230 feet (70 meters) for 4K @60Hz 4:4:4 or 1080p, over single CAT5e/6 cable. It supports video resolution down scaling, the 4K input can be automatically downscale to 1080p output for compatibility with 1080p display. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

14. Floor standing rack

FLOOR STANDING RACK: Supply, Installation, Testing & Commissioning of 12 U Floor standing rack with caster wheels. It should have cable entry from top and bottom. Should have front glass door with lock. Should have three shelf. tray.(1U/255mmD),PDU6x5Amp,Fan 90CFM,Mounting hardware(Packet of 10). Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty

15. Cables and Connector

CABLES AND CONNECTORS: Supply, Installation, Testing & Commissioning of required cables and connectors and mounts. Three (03) Years onsite OEM Warranty

16. System integration, programming, commissioning

System integration, programing, commissioning, training charges



17. SITC of Ceiling Mounted Indoor Wireless Access Point

Wireless Access Point must be compliant with IEEE CAPWAP or equivalent or better to support controller-based Wireless SSIDs,

- Wireless Access Point shall support minimum 4x4 MIMO on both radio interfaces (2.4 Ghz and 5 Ghz) and MU-MIMO technology,
- Wireless Access Point must be with internal antennas and built-in controller capabilities or embedded controller capabilities,
- Wireless Access Point shall be able to powered up using PoE 802.3af/at or equivalent or better,
- Wireless Access Point shall support packet capture or equivalent or better, RF sensing capabilities or equivalent or better,
- Wireless Access Point shall support feature like BSS Coloring or equivalent or better, TWT(Target Wake Time) or equivalent or better, MU-MIMO(downlink & uplink) or equivalent or better,
- Wireless Access Point shall support Console port that uses Standard Port (RJ-45)/Serial type connection/USB Console or equivalent or better for out-of-band Management,
- Wireless Access Point should have minimum 1x 100/1000/2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz or higher,
- Wireless Access Point should have minimum 3 dBi Antenna gain on each radio
- Wireless Access Point should support minimum data rate 2.9 Gbps (minimum 2.4 Gbps in the 5GHz band and minimum 570Mbps in the 2.4GHz band)
- Wireless Access Point should support minimum of 21dbm or higher transmit power in both 2.4Ghz and 5Ghz radios and should follow the local regulatory norms,
- Wireless Access Point should support AP enforced load-balance between 2.4Ghz and 5Ghz band,
- Wireless Access Point should incorporate radio resource management for power, channel and performance optimization,
- Wireless Access Point should have minimum -96 dB or better Receiver Sensitivity,
- Wireless Access Point should support Proactive Key Caching or equivalent or better for Fast Secure Roaming or equivalent or better,
- Wireless Access Point should support Management Frame Protection or equivalent or better,
- Wireless Access Point should support locally-significant certificates or equivalent or better on the APs using a Public Key Infrastructure (PKI) or equivalent or better,
- Wireless Access Point should support the ability to serve clients and monitor the RF environment,
- Wireless Access Point should support minimum 16 WLANs or higher per AP for SSID deployment flexibility,
- Wireless Access Point should support telnet and/or SSH login to APs directly for troubleshooting flexibility,
- Wireless Access Point should support 802.11e or equivalent or better and WMM or equivalent or better,
- Wireless Access Point should support QoS or equivalent or better and Video Call Admission Control capabilities or equivalent or better,
- Wireless Access Point should support WPA2 and WPA3 Enterprise or equivalent or better,
- Wireless Access Point should support Transmit beam-forming (TxBF) or equivalent or better for increased signal,
- Wireless Access Point should support 0-50 degree centigrade operating temperature or higher,
- Wireless Access Point should be Wi-Fi 6 or equivalent or better,
- Wireless Access Points shall be supplied with all required licenses, mounting kits, and necessary accessories to ensure full operational functionality from day one.
- Wireless Access Point should not be end of life/end of support in the next 10 years from the date of successful installation, configuration and final acceptance by the user. Declaration from OEM must be submitted.
- Bidder/OEM should have Functional Technical Assistance/ Service Center in Odisha to ensure immediate onsite support during any kind of Network related issue during the Warranty Period of 5



Years. Details of the Functional Technical Assistance/ Service Center in Odisha should be submitted along with the Bid.

- Access to OEM technical assistance centre, Software/Firmware update and upgrade assurance for all major and minor releases for a period of 5 years directly from the OEM from the date of successful installation, configuration and final acceptance by the user.
- Five years NBD (Next Business Day) hardware replacement warranty, with the supply of all spares and accessories, directly from the OEM from the date of successful installation, configuration and final acceptance by the user.
- Wireless Access Points must be under onsite warranty for 5 years from the date of successful installation, configuration and final acceptance by IIT Bhubaneswar. Installation, configuration and maintenance of the Wireless Access Points will be done free of cost during the entire warranty period of 5 years as per the requirements of IIT Bhubaneswar.
- The specifications are indicative only. Products with equivalent or higher configuration will also be considered for technical evaluation subject to submission of documentation of equivalency or higher configuration. Further, All quoted active networking products (Wireless Access Point and PoE+ switch) should be from single OEM.

18. SITC of PoE+ Network Switch with SFP+ Uplink Port

- PoE+ Network Switch should be 19" Rack Mountable.
- PoE+ Network Switch should have minimum 24 nos. of 2.5G or higher Base-T Ports with additional minimum 4 nos. of 10G or higher SFP+ uplinks ports.
- PoE+ Network Switch should have minimum 1 GB or higher RAM.
- PoE+ Network Switch should have minimum 1 GB or higher Flash.
- PoE+ Network Switch should have switching fabric of minimum 200 Gbps or higher.
- PoE+ Network Switch should have forwarding rate of minimum 140 Mpps or higher.
- PoE+ Network Switch should have support minimum 32000 or higher MAC address.
- PoE+ Network Switch should have Routing table size of minimum 1000 entries or higher (IPv4), minimum 1000 entries or higher (IPv6).
- PoE+ Network Switch should support minimum PoE 802.3af/at or higher RJ45 Ports with PoE budget of minimum 720W or higher from day 1.
- PoE+ Network Switch should support Traffic prioritization (IEEE 802.1p) or equivalent or better to allow real-time traffic classification into minimum eight priority levels or higher mapped to minimum eight queues or higher.
- PoE+ Network Switch should support Layer-4 prioritization or equivalent or better to enable prioritization based on TCP/UDP port numbers or equivalent or better.
- PoE+ Network Switch should support Class of Service (CoS) or equivalent or better to sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ.
- PoE+ Network Switch should support Rate limiting or equivalent or better to sets per-port ingress enforced maximums and per-port, per-queue minimums.
- PoE+ Network Switch should provide graceful congestion management or equivalent or better.
- PoE+ Network Switch should support Auto-MDIX or equivalent or better to provide automatic adjustments for straight-through or crossover cables on all 10/100 and 10/100/1000 ports.
- PoE+ Network Switch should support IPv6 host or equivalent or better to enable switches to be managed in an IPv6 network.
- PoE+ Network Switch should support Dual stack (IPv4 and IPv6) or equivalent or better to transition from IPv4 to IPv6, supporting connectivity for both protocols.
- PoE+ Network Switch should support MLD snooping or equivalent or better to forward IPv6 multicast traffic to the appropriate interface.



- PoE+ Network Switch should support ACL or equivalent or better and QoS or equivalent or better for IPv6 network traffic.
- PoE+ Network Switch should support static or equivalent or better and RIPng or equivalent or better protocols for IPv6.
- PoE+ Network Switch should support DHCPv6 protection or equivalent or better, IP Source Guard or equivalent or better, and Neighbour Spoofing or equivalent or better in IPv6.
- PoE+ Network Switch should have Energy-efficient design or equivalent or better.
- PoE+ Network Switch should support Energy-efficient Ethernet (EEE) or equivalent or better to reduce power consumption in accordance with IEEE 802.3az or equivalent or better.
- PoE+ Network Switch should support very low latency or equivalent or better, increased packet buffering or equivalent or better, and adaptive power consumption or equivalent or better.
- PoE+ Network Switch should support selectable queue configurations or equivalent or better.
- PoE+ Network Switch should have facility to allow for increased performance or equivalent or better by selecting the number of queues and associated memory buffering that best meet the requirements of the network applications.
- PoE+ Network Switch should support IP multicast routing or equivalent or better and PIM Sparse and Dense modes or equivalent or better to route IP multicast traffic.
- PoE+ Network Switch should support IGMP snooping or equivalent or better.
- PoE+ Network Switch should support LLDP-MED (Media Endpoint Discovery) or equivalent or better.
- PoE+ Network Switch should support IEEE 802.1AB Link Layer Discovery Protocol(LLDP) or equivalent or better.
- PoE+ Network Switch should support Local MAC Authentication or equivalent or better.
- PoE+ Network Switch should support Virtual Router Redundancy Protocol(VRRP) or equivalent or better.
- PoE+ Network Switch should support IEEE 802.1s Multiple Spanning Tree or equivalent or better.
- PoE+ Network Switch should support Link Aggregation or equivalent or better as per IEEE 802.3ad or equivalent or better to allow link resilience.
- PoE+ Network Switch should support Load balancing or equivalent or better over IEEE 802.3ad or equivalent or better Aggregated Links shall also be supported.
- PoE+ Network Switch should support SNMPv1, v2, and v3 or equivalent or better.
- PoE+ Network Switch should support Console port that uses Standard Port (RJ-45) or Serial type connection or USB Console or equivalent or better.
- PoE+ Network Switch should be supplied with all required licenses, suitable power cords, and necessary accessories to ensure full operational functionality from day one.
- PoE+ Network Switch should support hot standby dual operating software image or equivalent or better for redundancy.
- PoE+ Network Switch should allow assignment of descriptive names to ports.
- PoE+ Network Switch should support Find-Fix-Inform or EAA or equivalent or better.
- PoE+ Network Switch should allow multiple configuration files to be stored to a flash image or equivalent or better for redundancy.
- PoE+ Network Switch should support RMON or equivalent or better and sFlow or equivalent or better.
- PoE+ Network Switch should provide advanced monitoring or equivalent or better and reporting capabilities or equivalent or better for statistics, history, alarms, and events.
- PoE+ Network Switch should support port mirroring or equivalent or better for ingress and egress port monitoring or equivalent or better enable network problem solving.
- PoE+ Network Switch should support Unidirectional Link Detection Protocol (UDLD)/DLD protocol or equivalent or better to allow unidirectional links failure detection.
- PoE+ Network Switch should support IP service level agreements (SLA) protocol or equivalent or better for voice traffic.
- PoE+ Network Switch should support IEEE 802.1Q or equivalent or better (minimum 4094 or higher VLAN IDs) and minimum 2K or higher VLANs simultaneously.



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- PoE+ Network Switch should support Jumbo frames or equivalent or better.
- PoE+ Network Switch should support IEEE 802.1v or equivalent or better protocol VLANs.
- PoE+ Network Switch should support Rapid Spanning Tree (RSTP) 802.1w or equivalent or better.
- PoE+ Network Switch should support GVRP or equivalent or better.
- PoE+ Network Switch should support DHCP or equivalent or better.
- PoE+ Network Switch should support static IP routing or equivalent or better.
- PoE+ Network Switch should support Policy-based routing or equivalent or better.
- PoE+ Network Switch should support IEEE 802.1X or equivalent or better.
- PoE+ Network Switch should support Web-based authentication or equivalent or better.
- PoE+ Network Switch should support MAC-based authentication or equivalent or better.
- PoE+ Network Switch should support Multiple IEEE 802.1X users per port or equivalent or better.
- PoE+ Network Switch should support Concurrent IEEE 802.1X or equivalent or better, Web authentication schemes or equivalent or better and MAC authentication schemes or equivalent or better per port and accept minimum 32 sessions or higher of IEEE 802.1X Web authentications and MAC authentications or equivalent or better.
- PoE+ Network Switch should support Access control lists (ACLs) or equivalent or better.
- PoE+ Network Switch should provide IP Layer 3 filtering or equivalent or better based on source/destination IP address/subnet and source/destination TCP/UDP port number.
- PoE+ Network Switch should support Source-port filtering or equivalent or better.
- PoE+ Network Switch should support RADIUS/TACACS+ or equivalent or better.
- PoE+ Network Switch should support Secure Shell or equivalent or better.
- PoE+ Network Switch should support Secure Sockets Layer (SSL) or equivalent or better.
- PoE+ Network Switch should support Port security or equivalent or better.
- PoE+ Network Switch should support MAC address lockout or equivalent or better.
- PoE+ Network Switch should support Secure FTP or equivalent or better.
- PoE+ Network Switch should support Switch management logon security or equivalent or better.
- PoE+ Network Switch should support STP BPDU port protection or equivalent or better.
- PoE+ Network Switch should support DHCP protection or equivalent or better.
- PoE+ Network Switch should support Dynamic ARP protection or equivalent or better.
- PoE+ Network Switch should support STP root guard or equivalent or better.
- PoE+ Network Switch should support Identity-driven ACL or equivalent or better.
- PoE+ Network Switch should support Per-port broadcast throttling or equivalent or better.
- PoE+ Network Switch should support Private VLAN or equivalent or better.
- PoE+ Network Switch should support IEEE 802.3az Energy-efficient Ethernet (EEE) or equivalent or better to reduce power consumption.
- PoE+ Network Switch should support operating temperature of minimum 0°C to 45°C or higher.
- PoE+ Network Switch should have Safety and Emission standards including IEC 60950-1 or IEC 62368-1 or equivalent or better; EN 55022 Class A or EN55032 Class A or equivalent or better.
- PoE+ Network Switch should not be end of life/end of support in the next 10 years from the date of successful installation, configuration and final acceptance by the user. Declaration from OEM must be submitted.
- Bidder/OEM should have Functional Technical Assistance/ Service Center in Odisha to ensure immediate onsite support during any kind of Network related issue during the Warranty Period of 5 Years. Details of the Functional Technical Assistance/ Service Center in Odisha should be submitted along with the Bid.
- Access to OEM technical assistance centre, Software/Firmware update and upgrade assurance for all major and minor releases for a period of 5 years directly from the OEM from the date of successful installation, configuration and final acceptance by the user.
- Five years NBD (Next Business Day) hardware replacement warranty, with the supply of all spares and accessories, directly from the OEM from the date of successful installation, configuration and final acceptance by the user.



- PoE+ Network Switch must be under onsite warranty for 5 years from the date of successful installation, configuration and final acceptance by IIT Bhubaneswar. Installation, configuration and maintenance of the PoE+ Network Switch will be done free of cost during the entire warranty period of 5 years as per the requirements of IIT Bhubaneswar.
- The specifications are indicative only. Products with equivalent or higher configuration will also be considered for technical evaluation subject to submission of documentation of equivalency or higher configuration. Further, All quoted active networking products (Wireless Access Point and PoE+ Network Switch) should be from single OEM.

19. Cat6A UTP Cable Laying from existing LAN/Data ports in the Rooms to Wireless Access Point, PoE+ Network Switch, Digital Podium, and Desktop PC along with creation of additional LAN/Data ports as per the requirement. Fiber and Cat6A UTP Patch Cords as per the requirement.

20. UPS

SITC of 6 KVA single phase UPS with 30 minutes back-up including battery and in-built isolation transformer



TERMS AND CONDITIONS OF WORK

1. The work will be executed in the campus of IIT Bhubaneswar at Argul. The agency may inspect and examine the sites and its surrounding if required before submitting his tender.
2. The Contractor should deploy adequate manpower at the worksite during execution of the work. The supervisor of the agency will oversee daily progress and relevant record keeping register as per BOQ with prior information to the Engineering section.
3. Time allowed for the execution of work is as mentioned at Clause-1.2.
4. Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of CPWD specifications and guidelines given in the relevant paras.
5. The contractor has to deploy required Plant and Machinery on the project. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at liberty to get the same deployed at the risk and cost of the Contractor.
6. The Contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer may at his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.
7. For construction/maintenance work inside a building, the electricity and water supply sources will be provided by the Institute from the nearest building or available sources.
8. The initial qualification of bidder will be based on the fulfilment of qualifying criteria mentioned elsewhere in this document.
9. The Engineer-in-charge can reduce the scope of work.
10. Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the bidder shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.
11. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor has to provide the list of workers engaged for the construction work along with their valid government address proof for issue of gate pass for the scheduled period of the work. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
12. The work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
13. The bills of the contractor will be processed against submission of monthly RA Bill / Final bill along with relevant documents.
14. **The GST No. of IIT Bhubaneswar i.e. 21AAAAI2760A1ZJ to be written in each invoice / bill submitted by the Contractor.** The GST amount will be released by the Institute after submission of proof of GST payment. In case of items for which abbreviated nomenclature is not available in the aforesaid publication and also in case of extra and substituted items for which abbreviated nomenclature is not provided for in the agreement, full nomenclature of item shall be reproduced in the measurement books and bill forms for running account bills.



15. For the final bill, however, full nomenclature of all the items shall be adopted in preparing abstract in the measurement books and in the bill forms.
16. The Contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.
17. It shall be ensured by the Contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
18. The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.
19. The contractor shall submit the proof of payment of royalty on sand, chips etc. or valid transit pass, royalty as applicable.
20. No free issue material will be supplied to the agency.
21. Contractor's job will also include removing of all debris arising in the process of execution of the work, at no extra cost.
22. The Contractor will be solely responsible for the safety of his deployed manpower for the work.
23. The Contractor has to provide all the personal protective equipment (PPE) to the workers engaged by him. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by IIT engineer and in such cases, Contractor will be solely responsible for delay and its consequences thereof.
24. **No escalation on account of any increase in price index, in the price of materials, increase in any applicable taxes or implication of levies etc. will be payable. No price escalation shall be applicable even during the extended period for completing the work.**
25. **Liquidated Damage:** In case of delay in completion of the contract, liquidated damage @ 0.5% (half percent) of the contract value per week and the total amount of compensation for delay subject to a maximum of 10% of contract value shall be levied.
26. a) The bidder shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the Institute.
b) The Bidder shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials required for the work.
27. The Contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards, red flags, red lights and providing barriers for road works. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
28. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the Contractor at his own expense. The Contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
29. No payment shall be made to the Contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the Contractor at his own cost and no claim on this account shall be entertained.
30. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall



generally be carried out in accordance with the “CPWD specifications 2019 Vol. 1 and Vol. 2 (with up to date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.

31. The order of preference in case of any discrepancy may be read as the following:

- i) Nomenclature of items as per schedule of quantities.
- ii) Scope , Terms and conditions.
- iii) CPWD specifications.
- iv) Architectural Drawings
- v) Indian standard specifications of B.I.S.
- vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the Bureau of Indian Standard up to last date of receipt of tender. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

32. All the materials to be used for the work shall conform to the approved make list. In case the approved make list is not available for any material, then same may be approved from Engineer-in-charge well in advance of actual execution.
33. The rates for all items of work shall unless clearly specified otherwise include cost of all labour, material tools and plants and other inputs involved in the execution of the items.
34. The bidder shall quote rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned in the tender document unless specifically specified otherwise.
35. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
36. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
37. It will be the sole responsibility of the firm to abide by the provisions of the following Acts as to the workers engaged for performance of this contract:
- a. Employment of Children Act. 1986
 - b. Workmen’s Compensation Act. 1923
 - c. Employment of Contract labour Act. 1970
 - d. Industrial Employment Act.1946
 - e. Contract Labour Abolition and Regulation Act 1970
 - f. Minimum Wages Act.1948
 - g. Employee Provident Fund Act.1952
 - h. Any other act or legislation which may govern the nature of the contract.
38. The contractor shall be liable to pay compensation for any loss and damage caused to the property of IIT Bhubaneswar. The damages made must be rectified by your firm without any extra cost. In case, the rectification will not be done, equivalent amount as assessed by the Engineer-in-charge will be deducted from the bill of the Contractor. The cost for the same will be assessed by tender accepting authority and will be limited to the tender amount.



39. The Contractor will get his deployed manpower (contract labourers employed for the work) covered under Group Insurance Scheme/ESI as applicable, following workmen's compensation Act at his own cost.
40. The full form of the abbreviations mentioned in BOQ is given below:
- (i) m or mtr.: Meter
 - (ii) Ltr.: Litre
 - (iii) Sqm: Square Meter
 - (iv) Kg: Kilogram
 - (v) Sft: Square feet
 - (vi) No. : Number
41. Tenders should be quoted only by the OEM/actual manufacturer and/or their authorized distributors or selling agent of a particular firm. Bidder should submit a current authority letter in support of the same from the actual manufacturer concerned in the format given at "Annexure-III". The bidder is responsible for the supply of stores. If the Principal Manufacturer withdraws rights of distribution from the bidder during the validity period of contract, Director, IIT Bhubaneswar has right to cancel the eligibility of the bidder and accept the candidature of new coming authorized distributor. **Any authorization certificate issued in the past for participating in any specific tender shall not be considered as a valid authorization by OEM.**
42. **Bidders will be required to arrange a demonstration of the offered equipment which will be installed in the set-up of the Seminar Halls, if desired by the technical specification committee.** Failure to arrange for a demonstration on the given date may lead to cancellation of the bid. The cost of organizing such a demonstration shall be borne by the bidder.
43. The model of the equipment offered should not be obsolete/out of production for next 5 years after expiring of guarantee/warranty period.
44. **Patent Rights:** The supplier shall, at all times, indemnify and keep indemnified the purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights or any other right protected by patent, registration of designs or trademarks. In the event of any such claim in respect of alleged breach of patent, registered designs, trademarks etc. being made against the purchaser, the purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to the purchaser.
45. **Bidders must have attached an affidavit of self-certification regarding local content** as prescribed by the Ministry of Electronics and Information Technology.
46. **Country of Origin**
- i. All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.
 - ii. The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the services are arranged.
 - iii. The country of origin may be specified in the Price Schedule.
 - iv. **Bidders may ensure the compliance and guidelines mentioned in Office Memorandum No. 6/18/2019-PPD dated 23rd July 2020 issued by Department of Expenditure, Ministry of Finance and a declaration as per above O.M. must be furnished.**



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47. **Terms of Delivery:** Goods shall be delivered by the supplier in accordance with the terms of delivery and as per the delivery period specified in the schedule of requirement and Supply & Delivery Clause in General Terms and Conditions Section. Please note that **time shall be the essence of the contract.**
48. **Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:** The supplier will arrange transportation of the ordered goods as per its own procedure up to Consignee Site
49. **Spare Parts:** The separate price list of all spares and accessories and consumables, if any, (including minor) required for maintenance and repairs in future after guarantee/warranty period may be provided.
50. **Tender Currencies:** The bidder supplying indigenous goods or already imported goods shall quote **only in Indian Rupees (INR)** in the Financial Bid Format given at **“Annexure-L”**.
A bidder quoting imported goods located within India shall produce documentary evidence of the goods having been imported and already located within India, in case their bid is found to be the lowest one after opening of financial bid.
51. **Tender Prices**
- (a) The bidder shall indicate on the Financial Bid Price Schedule provided at **Annexure-L** for indigenous supplies in INR for all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the Financial Bid Price schedule in the given format should be filled in as required.
 - (b) The price of the goods quoted ex-factory/ex-showroom/ex-warehouse/off-the-shelf, as applicable, including all taxes and duties like Customs Duty and/or GST already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory etc. or on the previously imported goods of foreign origin quoted ex-showroom etc.
 - (c) The price shall include Charges towards Packing & Forwarding, Inland Transportation, Insurance (local transportation and storage), Loading & Unloading and other local costs etc incidental to delivery of the goods to their final destination will bear by Bidder, the price of Incidental Services, as mentioned in Schedule of Requirement and Price Schedule, the prices of Site Modification Work (if any), as mentioned in Schedule of Requirement, Technical Specifications and Price Schedule.
 - (d) The rate quoted for a product or services should be including all taxes. **No additional charge/tax etc will be paid by IIT Bhubaneswar, if claimed by Supplier at later stage.** Rates quoted will remain valid and fixed for entire bid validity period and/or for extended period. Bidder will not be allowed the change/modify rates during bid validity period. Rate quoted should be unit wise and rate cannot be quoted beyond Maximum Retail Price (MRP).
52. **Additional information and instruction on Duties and Taxes (Octroi Duty and Local Duties & Taxes:**
Normally, goods to be supplied to Government Departments against Government contracts are exempted from levy of town duty, Octroi duty, terminal tax and other levies of local bodies. However,



on some occasions, the local bodies (like town body, municipal body etc.) as per their regulations allow such exemptions only on production of certificate to this effect from the concerned Government Department. Keeping this in view, the supplier shall ensure that the stores to be supplied by the supplier against the contract placed by the

53. Warranty for 36 Months (to be submitted from Bidder on the following points)

I. The bidder shall submit a written warranty confirming that the equipment offered is the latest model as per the specifications and that the availability of spare parts for the equipment will be ensured for at least **three (03) years beyond the warranty/guarantee period.**

II. The manufacturer shall keep the Institute informed regarding any updates or improvements to the equipment for a period of the next three years and shall provide such updates at **no additional cost.** The manufacturer/Bidder shall ensure regular supply of spare parts as requisitioned by the purchaser for smooth operation of the equipment throughout its life span, on mutually agreed prices, whenever required.

III. The Bidder shall guarantee/warrant that before discontinuation of production of spare parts, adequate **advance notice** shall be given to the purchaser to enable procurement of the required spares to meet lifetime requirements.

IV. The Bidder shall provide blueprints/drawings and technical details of spare parts to the purchaser if and when required.

V. The supplier shall provide a **Warranty for 36 months**, including **all spare parts and labour**, confirming that the supplied items are new, unused, free from design/material/manufacturing defects, workmanship errors, or any defects arising under normal operating conditions in India.

Additional provisions:

- No conditional warranty (such as exclusion of mishandling or manufacturing defects) shall be accepted.
- Replacement and repair of defective equipment shall be undertaken by the supplier at no cost.
- All spare parts shall be clearly marked for identification (including installation and repair reference dates).

VI. Upon receipt of any complaint/notice, the supplier shall respond within **48 hours on a 24×7 basis** and take appropriate action to repair or replace the defective equipment/parts at free of cost at the ultimate destination. The supplier shall takeover the replaced parts/equipment after providing their replacements and no claim whatsoever shall lie on the purchaser for such replaced parts or equipment thereafter. No replacement will attract appropriate penalty including forfeiture of the performance security on repetition of such misconduct.



VII. The Bidder hereby declares that the goods/equipment/stores/articles supplied to the buyer under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and the particulars contained/mentioned in the clauses hereof and the Bidder hereby guarantees/Warrants that the said goods/equipment/stores/articles conform to the description and quality aforesaid. The purchaser will be entitled to reject the said goods/equipment/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality as follows:

- a. Bidder should state categorically whether they have fully trained technical staff or installation/commissioning of the equipment and efficient after sales services.
- b. It is specifically required that the Bidder/Supplier will supply all the operating and service manuals along with blue-prints and drawings including circuit diagram of the equipment supplied as well as its components.

VIII. If the supplier, having been notified, fails to respond to take action to replace the defect(s) within 48 hours on 24×7 basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

IX. During Warranty period, the supplier is required to visit at consignee's site at least once in 3 months commencing from the date of the installation for preventive maintenance of the Equipment/Stores.

X. The Supplier along with its Indian Agent shall ensure continued supply of the spare parts for the machines and Equipment supplied by them to the purchaser for 3 years from the date of installation and handing over.

XI. The Bidder shall issue an undertaking for the supply of original equipment and also assure service support for a period of three years. An additional two years should be ensured for the availability of spares, so that products nearing end-of-life are not supplied.

XII. The OEM/Bidder should submit the technical compliance documentation and an authorization letter/certificate in their Original letterhead

54. Warranty

The bidder will give an onsite guarantee/warranty for trouble free functioning and maintenance of the facility for 3 years including spares and labour from the date of installation, commissioning and acceptance of the facility.

55. Bidders are required to quote strictly as per specification of the equipment.

56. Applicability of Anti-Profiteering Rule under GST Act 2017

No item should be quoted with price more than the **M.R.P.** by any Supplier Agency to IIT Bhubaneswar.



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MRP shall be clearly mentioned on each of the supplied items/its packaging in their offered pack size.

The prices should be quoted strictly in accordance with unit/pack size and Strength/Potency mentioned in the Schedule of Requirement.

The Anti-Profitteering Rule under GST Act 2017 is applicable against this Tender Enquiry.

The Supplier Agency must mandatorily pass on the benefit due to reduction in rate of tax to the IIT Bhubaneswar by way of commensurate reduction in prices.

If any Supplier Agency is found defaulter, necessary action as per GST Act 2017 shall be initiated.

57. The Director, IIT Bhubaneswar has full authority to consider the performance of manufacturer/authorized dealer/distributor/bidder. A latest **performance certificate** (not older than previous FY 2021-22) must be submitted by any Govt.Institution /PSU.

58. Terms of Delivery of Products, Penalty/Liquidation Damage

I. Delivery of stores shall be **F.O.R. to IIT Bhubaneswar**.

IIT Bhubaneswar is not liable for Freight/Taxes/Expenditures — these are the supplier's responsibility.

II. Successful bidder must complete the works within **60 days** from acceptance of the works.

59. If delayed beyond the period given in the Purchase/Supply Order, a penalty of **0.5% per week** up to maximum **10%** shall be imposed.

60. INSPECTION OF SUPPLIES & ACCEPTANCE

Inspection will be done by a Committee constituted by the Director, IIT Bhubaneswar and/or its authorized representatives at IIT Bhubaneswar Hospital premises.

61. INCIDENTAL SERVICES

The supplier shall be required to perform the following services at the Consignee Site:

- Installation & commissioning, supervision and demonstration of the Equipment/Goods
- Providing required jigs and tools for assembly, minor Civil/Electrical/Plumbing/any other needed engineering works etc. required for completion of the installation
- Training of Consignee's Staff, Operator etc. for operating and maintaining the Equipment/Goods
- Supplying required number of operation & maintenance manuals for the goods.

62. DISTRIBUTION OF DISPATCH DOCUMENTS FOR CLEARANCE/RECEIPT OF GOODS

The supplier shall send all relevant dispatch documents well in time to the Purchaser/Consignee to enable clearance or receipt of the goods as per contract terms.

Within **24 hours** of dispatch, the supplier shall notify the Purchaser/Consignee and others concerned (if mentioned in the Purchase Order), and must also supply the following documents by registered post/speed post/courier (as instructed in the contract):



- i. Three copies of supplier's invoices showing contract number, goods description, quantity, unit price and total amount
- ii. Two copies of packing list identifying contents of each package
- iii. Certificate of origin for goods of foreign origin
- iv. Insurance Certificate
- v. Manufacturer's/Supplier's warranty certificate & In-house inspection certificate

63. Taxes, Duties, Incidental Services and Warranties

Supplier shall be entirely responsible for all taxes, duties, fees, levies, incidental services, warranties etc. incurred until delivery of the contracted goods to the purchaser.

64. Terms and Mode of Payment

64.1 Payment

The bills of the contractor will be processed against submission of monthly RA Bill / Final bill along with relevant documents. Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner: Payment shall be made in **Indian Rupees** as specified in the contract in the following manner:

64.2 The supplier shall not claim any interest on payments under the contract.

64.3 Where the statutory requirement of **Tax Deduction at Source (TDS)** applies, such deduction towards income tax or other taxes will be made as notified by the Government.

64.4 The supplier shall send its claim for payment in writing, after SITC of the seminar halls, along with relevant documents, duly signed with date, to respective consignees.

64.5 While claiming payment, the supplier shall certify in the bill that the payment being claimed is strictly in terms of the contract and that all obligations for claiming such payment have been fulfilled as per the contract conditions.

64.6 While claiming reimbursement of duties/taxes etc. (such as Customs duty and/or GST or any other taxes) from the Purchaser/Consignee, and if permitted under the contract, the supplier shall also certify that in case it gets any refund of such duties/taxes from concerned authorities at a later date, the supplier shall refund the same to the Purchaser/Consignee forthwith.

65. OTHERS

- Technical Evaluation Committee / Procurement Committee and other committees constituted by the Competent Authority shall decide regarding approval of Items, Rates, and Quantities required to be procured for different categories of Equipment/Items as per requirement of IIT Bhubaneswar.
- Decision of the Director, IIT Bhubaneswar shall be **final and binding** on all parties.



The Bidder shall **not** be allowed to transfer, assign, pledge, or sub-contract its rights and liabilities under this contract to any other agency without **prior written consent** of the Director, IIT Bhubaneswar. If it is found that the firm has given a sub-contract to another Agency, the contract shall be cancelled and the **performance security deposit shall be forfeited** by IIT Bhubaneswar.

IIT Bhubaneswar shall **not** be responsible for any financial loss or other damage/injury to any item or person deployed/supplied by the Supplier Agency in the course of duties related to supplying/installation/commissioning of items at IIT Bhubaneswar.

66. PACKING & MARKING OF SUPPLIES

(a) The firm shall supply the stores with proper packing and marking for transit so as to be received at destination free from any loss or damage. Packaging must conform to applicable **Drugs & Cosmetics Rules** or other statutory provisions.

(b) All goods/stores supplied to the hospital must be **stamped**:

“The IIT Bhubaneswar Supply Only”

and printed **“NOT FOR SALE”** in bold letters with indelible ink (where applicable).

67. FORCE MAJEURE

Any failing or omission to carry out the provision of the contract by the supplier shall not give rise to any claim by either party if such failure arises from an event **beyond the supplier’s control**, including but not limited to:

- natural calamities (fire, flood, earthquake, hurricane)
- pandemics / epidemics
- civil unrest, riots, strikes
- embargoes, political or other reasons beyond control
- war (declared or not), civil war, insurrection

Notice of such occurrence shall be given to the other party **within two weeks** of the event, and performance shall resume as soon as practicable once the event ceases.

68. DISPUTES AND ARBITRATION

All disputes or differences arising during the execution of the contract shall be resolved through **mutual discussion** in the first instance.

Failing mutual settlement, the matter shall be referred to an **Arbitrator** appointed by the Director, IIT Bhubaneswar, for settlement of disputes in accordance with the provisions of the **Arbitration & Conciliation Act, 1996**, or any subsequent amendment. The decision of the Arbitrator shall be **binding** on both contracting parties.

69. LAW GOVERNING THE CONTRACT AND JURISDICTION



The contract shall be governed by:

- **Contract Act 1872**
- **Indian Competition Act 2002**
- Instructions / notifications issued by the Government of India from time to time

The **Courts of Bhubaneswar** shall have exclusive jurisdiction to adjudicate any dispute arising out of this contract.

70. RECOVERY OF EXCESS PAYMENT MADE TO SUPPLIER AGENCY

In case of a post-payment audit, if any **excess payment** is found, it shall be recovered from the Agency. The Agency shall deposit the excess amount within **30 days** of written demand by IIT Bhubaneswar.

71. UNDER PAYMENT TO BE MADE TO SUPPLIER AGENCY

Similarly, if under-payment is detected after post-audit, IIT Bhubaneswar shall make due payment to the Supplier Agency.

72. RESPONSIBILITY OF SUPPLIER AGENCY FOR PROVIDING COPIES OF RELEVANT RECORDS

Supplier Agency shall provide copies of **relevant records** at any time during contract execution or even after contract closure if required by IIT Bhubaneswar.

Strict Prohibition:

No bidder or representative shall exert political/administrative influence to obtain business benefits.

If violated → **Immediate rejection without assigning any reason.**

73. SERVICE SUPPORT AND REDRESSAL OF COMPLAINT

All bidders must provide Dedicated **Toll-free Number** for service support

Non- Compliance of work: -

In the event of failure to comply with the awarded work within the stipulated time, the penalty will be imposed as double of actual expenditure incurred in attending the same by another Agency.

Any accident due to negligence in following safety procedures is purely the responsibility of the Contractor. The department is not responsible for any accidents/damages/deaths. The safety of all the staff of the Contractor is the sole responsibility of the Contractor.



Annexure-B

UNDERTAKING BY THE BIDDER

UNDERTAKING

I/we have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules and directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I/we hereby tender for execution of the work specified for the Indian Institute of Technology Bhubaneswar within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

I/we agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs..... has been deposited through demand draft of a scheduled bank / Pay order as earnest money. If I /we, fail to furnish the prescribed performance guarantee within prescribed period, I /we agree that the Director, Indian Institute of Technology Bhubaneswar or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I /we fail to commence work as specified, I/we agree that the Director, Indian Institute of Technology Bhubaneswar shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I/we agree that in case of forfeiture of earnest money or both EMD and Performance Guarantee as aforesaid, I/we shall be debarred for participation in there-tendering process of the work.

I \we hereby declare that I \we shall treat the tender documents, drawings and other records connected with the work as secret / confidential and shall not communicate information derived therefrom to any person other than a person to whom I \we am/ are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State

Seal & Signature of Bidder
Postal Address:

Dated:

Witness:

Address

Occupation



ANNEXURE-C

UNDERTAKING FOR GCC COMPLIANCE

I /we hereby undertake that we shall fulfil all the terms and conditions of CPWD General Condition of Contract 2023 **for construction work** with amended/ within the specified time frame, after the acceptance of our offer in case our offer is accepted; failing which IIT Bhubaneswar may go ahead to take necessary action such as reporting the non-compliance to appropriate government authorities and barring me/us from future participation in IIT Bhubaneswar works.

DATED:

Seal & Signature of Bidder



ANNEXURE-D

BID SECURITY DECLARATION FORM

Date:

Tender No.

(Complete name and address of the bidder)

I/we, the undersigned, declare that:

I/we understand that, According to your conditions, bids must be supported by a Bid Security Declaration),

I/we, accept that I/we may be disqualified from bidding for any contract with you for a period of two years from the date of notification if I am/We are in a breach of any obligation under the bid conditions, because I/We

- a. Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b. having been notified of the acceptance of our Bid by the bidder during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instruction to Bidders.

I /we understand this Bid Security Declaration shall cease to be valid if I am/We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/ our bid.

Signed: (Insert signature of person whose name and capacity are shown)

In the capacity of (Insert legal capacity of person signing the Bid Security Declaration).

Name:

(Insert complete name of person signing the Bid Security Declaration)

Duly authorized to sign the bid for an on behalf of

(Insert complete name of Bidder)

Dated onday of

(Insert date of signing)

Corporate seal (where applicable)



ANNEXURE-E

UNDRTAKING REGARDING BLACK LISTING/ NON-DEBARMENT

(On Company/Firm's Letter head or with seal of the organisation)

I/we hereby confirm and declare that we, M/s -----, is not blacklisted/ deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have executed/ undertaken the works/ Services during the last 3 years from dt. i.e from the date of publication of the bid.

Signature of Authorised person

Date:.....

Full Name:.....

Place:.....

Company seal:.....



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Annexure-F

VENDOR MASTER FORM

(To facilitate registration under PFMS and fund transfer through RTGS, NEFT/ INTRA
BANK Transfer-One time information required)

Sl. No.	Information required	Data furnished
1	Name of the supplier company /firm	
2	CIN Number (in case of company)	
3	Complete contact address with PIN number	
4	District with city name	
5	Landline phone number	
6	Mobile number of contact person/ Finance Superintending (for SMS on payment details)	
7	e-Mail ID (for receiving payment details)	
8	PAN Number	
9	GST Registration Number (with copy of GST registration certificate)	
10	TAN Number	
11	Bank account number (with a copy of cancelled cheque or Xerox copy of cheque leaf)	
12	Name of the Bank	
13	Name of the Bank Branch	
14	IFSC Code of Bank	
15	MICR Code of Bank	
16	Bank Account details where LC is to be opened in case of foreign suppliers	

I / We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected at all for reason of incomplete or incorrect information, the Indian Institute of Technology Bhubaneswar will not be responsible.

Signature of the Bidder/agency



Annexure-G

**PROFORMA OF CERTIFICATE REGARDING LABOUR PAYMENTS AND
STATUTORY REQUIREMENT TO BE FURNISHED BY CONTRACTOR.**

**(TO BE ISSUED BY THE CONTRACTOR AND ATTESTED BY THE ENGINEER IN
CHARGE)**

Name of the work: _____

Contract/Work order No. and Date: _____

Name of the Contractor: _____

This is to certify that I /we have made all labour payments including PF liabilities in respect of the above mentioned Work order/Contract and no other payments in this regard is pending from us. Further we confirm that all statutory requirements have been complied with by us and in case any default is reported against us, we shall be solely responsible for the same.

Date:

Signature_____

Place

Name_____

Designation_____

Company seal_____

Attestation:



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Annexure-H

PROFORMA OF NO DEMAND CERTIFICATE BY CONTRACTOR

(TO BE ISSUED BY THE CONTRACTOR AND ATTESTED BY THE ENGINEER IN CHARGE)

Name of the work: _____

Contract/Work order No. and Date: _____

Name of the Contractor: _____

I/we, M/s. _____ (Contractor) do hereby acknowledge and confirm that we have already submitted final bill vide Bill No. _____, dt. _____ for ₹ _____ in respect of our aforesaid Work order/Contract No. _____ dt. _____ including amendments, if any, issued by IIT Bhubaneswar. After payment of above mentioned final bill amount by IIT Bhubaneswar, I/we have no claim whatsoever pending with IIT Bhubaneswar under the said contract except the followings.

1. Performance Guarantee amount: ₹ _____
2. Security Deposit amount deducted in RA bill : ₹ _____
3. Earnest Money Deposit amount: ₹ _____

Notwithstanding any protest recorded by us in any correspondence, document, measurement books, and/or final bills, etc. we waive all our rights to lodge any claim or protest in future under this contract

We are issuing this “NO DEMAND CERTIFICATE” in favour of IIT Bhubaneswar with full knowledge and with our free consent without any undue influence, misrepresentation, coercion etc.

Date: _____ Signature _____

Place _____ Name _____

Designation _____

Company seal _____

Attestation:



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Indian Institute of Technology Bhubaneswar

Annexure-I

DETAILS ABOUT BIDDING AGENCY

S. No.	Particulars	Details
1.	Full name of the Bidder (In capital letters)	
2	Full address of the Bidder	
3	(a) Telephone No: (b) Alternate Telephone No. (c) Email ID:	
4	PAN	
5	TAN	
6	Date of incorporation and number of years of experience in relevant area	
7	GST registration No.	
8	Weather the bidder has been blacklisted by any Govt. organization at any time? If so, attach the details of the same.	
9	Names and details of the Authorized person to be available at site during the work (a) Name (b) Designation (c) Address (d) Mobile number (e) Alternate Mobile number (f) Email ID	

Date:

Signature _____

Place

Name _____

Annexure-J

Format for Submission of Financial Turnover

Financial turnover of the Organisation for any three consecutive years (Attach CA certified statements)					
Financial year	2021-22	2022-23	2023-24	2024-25	Average of any three consecutive years
Turnover (In Lakhs)					

It is hereby submitted that all the terms and conditions of this NIT are acceptable to the Bidder agency.

I hereby certify that the above mentioned particulars are true and correct. If any fact/information is found incorrect/misleading, the bid shall be rejected, and the bidder is liable for legal action.

(Authorised Signatory)

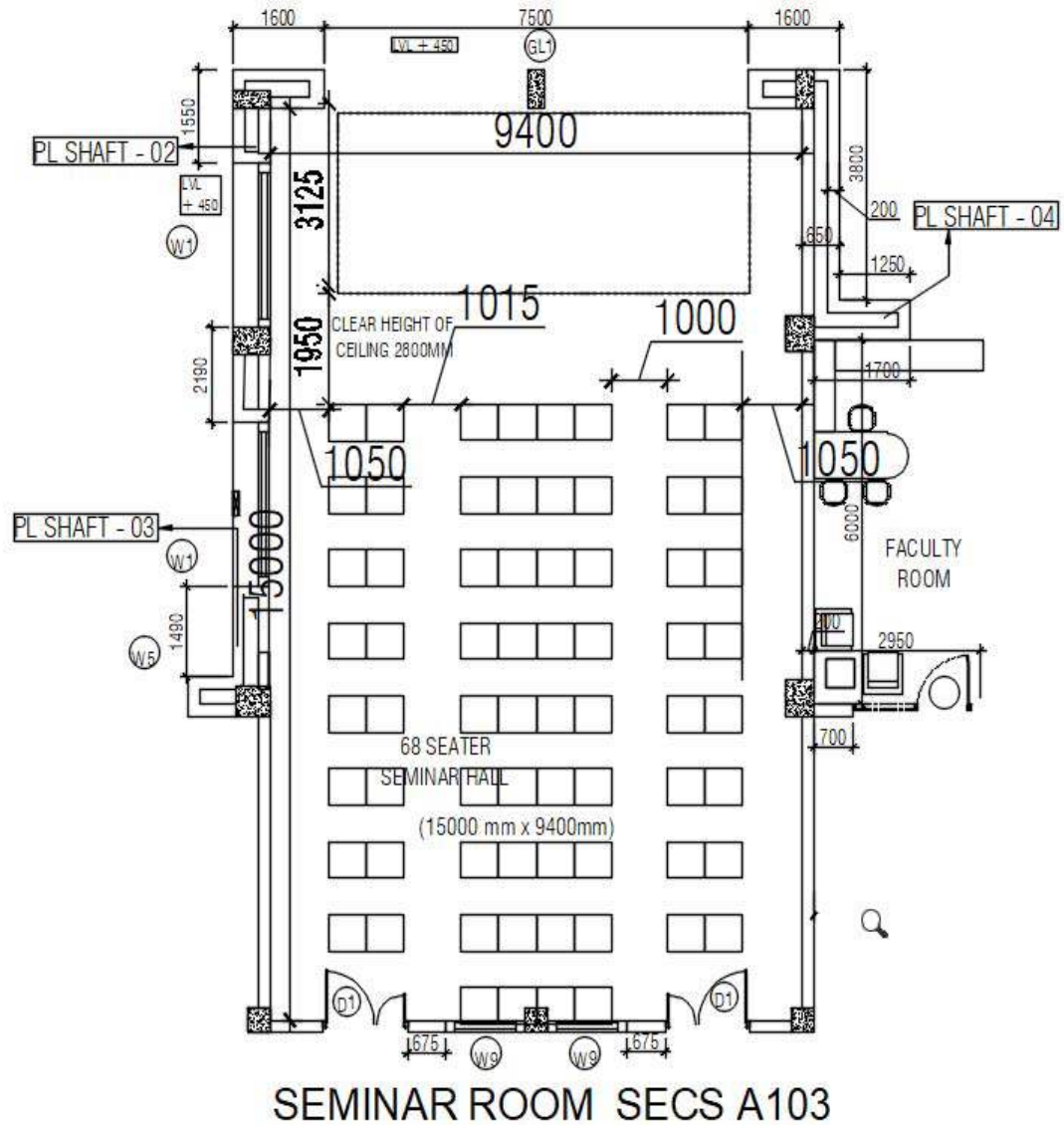
(Name of Authorised Person)

(Stamp)



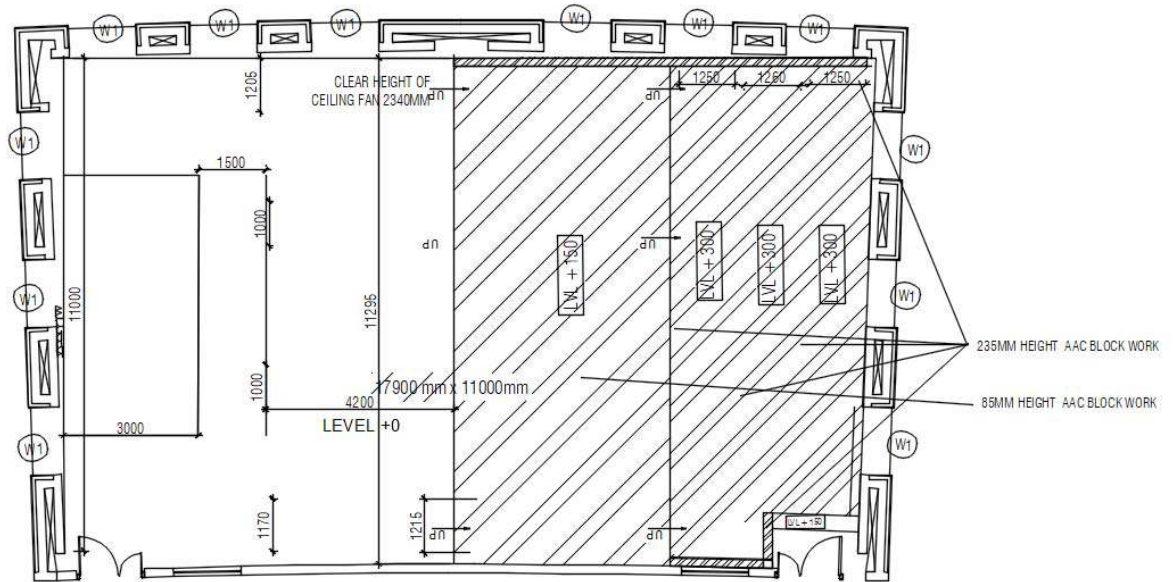
Annexure-K

TENTITIVE DRAWINGS OF SEMINAR ROOMS

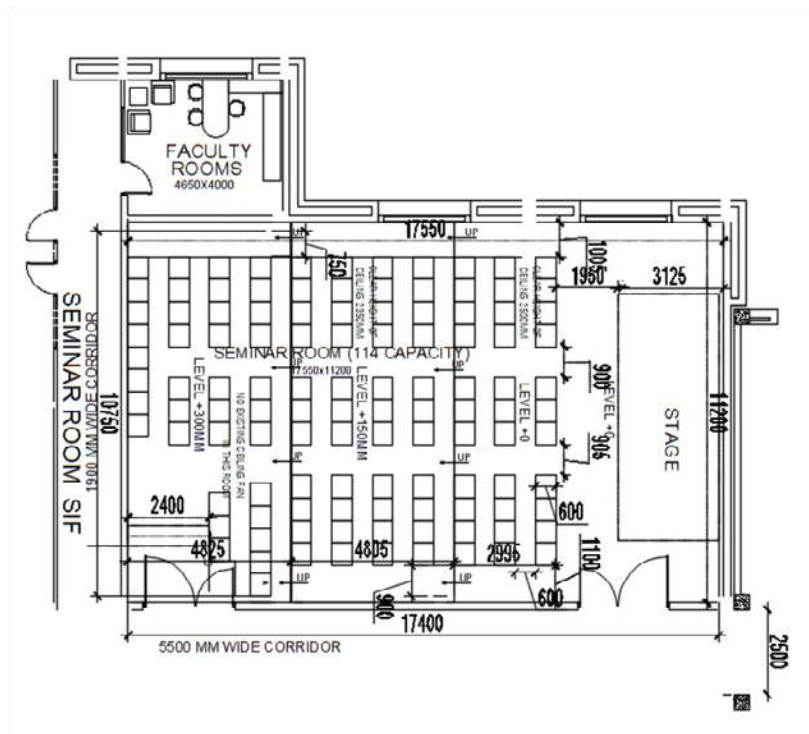




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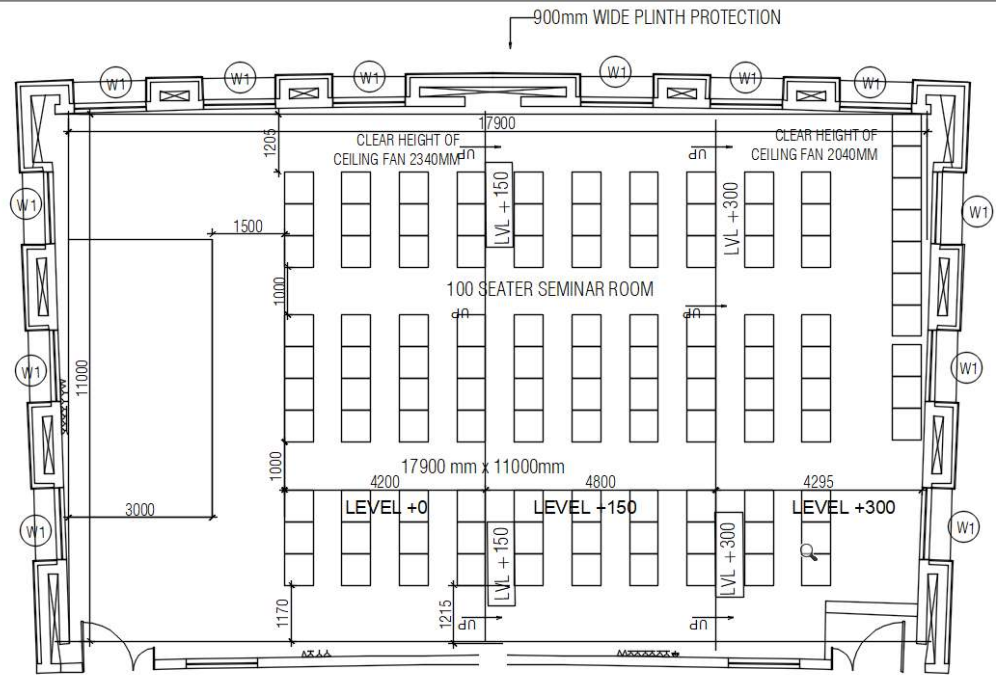
TYPICAL DETAILS OF SEMINAR ROOM OF SIF AT +100MM ABOVE FLOOR LEVEL LEVEL



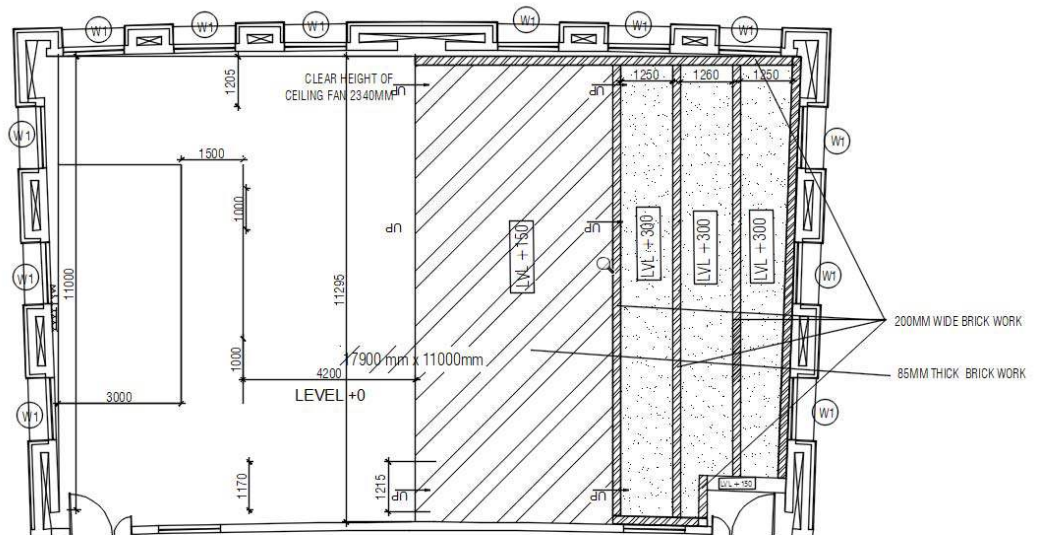
SEMINAR ROOM OF SIF



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SEMINAR ROOM SECS



TYPICAL DETAILS OF SEMINAR ROOM AT +100MM LEVEL

SEMINAR ROOM OF SECS



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Annexure-L

1. Checklist for documents to be uploaded on
<https://eprocure.gov.in/eprocure/app>

Sl no.	Document	Reference
1.	Tender Documents (signature with stamp on each page)	
2.	EMD deposit scan copy to be uploaded (has to submit the Demand draft / FDR physically at the office of SE (Civil) on or before the due date/extended date of submission of bid.)	
3.	Valid GST Registration Certificate	
4.	Permanent Account Number (PAN)	
5.	Completion Certificate along with relevant work order copy during last 07yrs from the last date of bid submission	
6.	Annexure- B,C,D,E, I, J (Financial turn over including CA certified statements), K and M	

**** Please upload necessary documents only.**



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Annexure-M

Validate

Print

Help

Percentage BoQ

Inviting Authority: Superintending Engineer(Civil)

Name of Work:SITC of Electrical, Audio visual, Networking works in Seminar room at various Schools of IIT Bhubaneswar

Contract No.IITBBS/SE/Engg.Section/46/2025-26

Name of
the Bidder/
Bidding
Firm /
Company :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

1	SITC of Projector with 6500 lumens, WUXGA resolution, LCD projector with Laser light source, HDMI X 3(CEC Supported), VGA X 1, VGA Out x 1, RS232 IN X 1, LAN X 1, Remote IN X 2, Digital Link (HD Base-T), 20,000 hours life, Geo. Correction, 360 degree rotation, USB Memory viewer, Auto Image rotation, fade in-out, 30,000,00:1 Contrast ratio, 4K@60Hz Input support, includes standard lens with throw ratio 1.6 - 2.76 :1 Throw ratio : 0.8 -1.0 :1(Short throw zoom) with Ceiling Mount Kit. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	182546.00	912730.00	INR Nine Lakh Twelve Thousand Seven Hundred Thirty & Paise Zero Only
2	SITC of 133"(16:9) Projector screen with Tubular Motorized screen with LVC, I.R Remote and comes with Matte White Fiberglass Fabric. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	61798.96	308994.80	INR Three Lakh Eight Thousand Nine Hundred Ninety Four & Paise Eighty Only
3	SITC of 65-inch UHD commercial Android display with a 3840x2160 resolution, 400 nits brightness, and 24/7 operational capability, 4K Ultra HD IPS display with minimum 400 NITS brightness, Built in Speaker(10W + 10W), Cortex-A55 x4,1.1GHz, Mali G31 MP2,Open GL ES3.2, Bluetooth, Built-In Wi-Fi, 16 GB Inbuilt Memory, 2 GB RAM, Built In Android 11 OS, along with a heavy-duty movable, swivel and rotatable wall- mount bracket and flexible viewing angle adjustment. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	10	Nos.	80741.50	807415.00	INR Eight Lakh Seven Thousand Four Hundred Fifteen & Paise Zero Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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4	SITC of Digital Podium with 21.5" display, HDMI, USB connectivity, i7 12Gen, 16 RAM PC, indode 19" Rack. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	126378.00	631890.00	INR Six Lakh Thirty One Thousand Eight Hundred Ninety & Paise Zero Only
5	SITC of IP 66 Rated weatherized Full range Passive wall mount loudspeaker with LF: 6" or better, HF : 1" or better having Frequency Response (+/-3 dB) : 65Hz - 20 kHz or better, RMS power : 60 W at 8 Ohms or better, Maximum SPL: 106 dB or better, Sensitivity: 89 dB or better, Dispersion: 120 degree X 120 degree or better, OEM mounting arrangement to be supplied. CE Certification or more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	30	Nos.	24573.50	737205.00	INR Seven Lakh Thirty Seven Thousand Two Hundred Five & Paise Zero Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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6	<p>SITC of Quad Channel power amplifier, RMS/AES power handling @ 4 Ω : 4 x 250 W, @ 8 Ohms : 4 x 130 W, @ 8 Ohm Bridge : 2 x 500 W, Frequency response: 20 Hz - 20 kHz, Signal / Noise: > 90 dB, THD+N (@ 1 kHz): < 0.1%, Crosstalk (@ 1 kHz): > 70 dB, Technology: Class-D, Inputs sensitivity: 0 dB (1V RMS), Protection: DC Short circuit; Overheating; Over load; Signal limiting; Convection cooled, should be energy star rated, etc., Should have Inbuilt Crossover, CE Certification or more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. 1 76,160 7 SITC of Full rack 19" 1RU processor mainframe with sixteen user-configured card slots. Selectable 48 & 96kHz sampling rates. Integrated license-activated AEC. Dual core processing 40-bit floating DSP .Front panel OLED display with jog wheel. Rear panel includes an Ethernet module with RJ45 connector and internal power supply connection with built-in MOD-Dante-ETH module already pre-installed into the Dante mainframe to provide 64x64 I/O channels of Dante network audio. Dual RJ45 Dante and single RJ45 Ethernet connectors.10 ch Mic/Line input with selectable mic, line, mic gain, and phantom power per input. 32-bit analog to digital converters. 4ch Line output. 32-bit digital to analog converters. 2ch input + 2ch output USB audio. Software license activated AEC. 8ch of AEC @ 250ms delay / 16ch @ 100ms. Single-device (chassis) use is permitted, but the combination of devices is not accepted. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.</p>	5	Nos.	89868.80	449344.00	Four Hundred Forty Nine Thousand Three Hundred Forty Four & point Zero Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

7	<p>SITC of Full rack 19" 1RU processor mainframe with sixteen user-configured card slots. Selectable 48 & 96kHz sampling rates. Integrated license-activated AEC. Dual core processing 40-bit floating DSP .Front panel OLED display with jog wheel. Rear panel includes an Ethernet module with RJ45 connector and internal power supply connection with built-in MOD-Dante-ETH module already pre-installed into the Dante mainframe to provide 64x64 I/O channels of Dante network audio. Dual RJ45 Dante and single RJ45 Ethernet connectors.10 ch Mic/Line input with selectable mic, line, mic gain, and phantom power per input. 32-bit analog to digital converters. 4ch Line output. 32-bit digital to analog converters. 2ch input + 2ch output USB audio. Software license activated AEC. 8ch of AEC @ 250ms delay / 16ch @ 100ms. Single-device (chassis) use is permitted, but the combination of devices is not accepted. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.</p>	5	Nos.	412554.00	2062770.00	Two Million Sixty Two Thousand Seven Hundred Seventy & point Zero Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

8	<p>SITC of Digital Wireless UHF handheld microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine-tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have a minimum 100 meter transmission range. It should have a Cardioid pick-up pattern, Sound pressure level (SPL): 150 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz- 20000 Hz. The microphone system can be controlled through iOS / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.</p>	20	Nos.	62627.32	1252546.40	One Million Two Hundred Fifty Two Thousand Five Hundred Forty Six & point Forty Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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9	SITC of Digital Wireless UHF lapel microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have min 100 meter transmission range. It should have Omni-directional pick-up pattern, Sound pressure level (SPL) : 130 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz-20000 Hz. The microphone system can be controlled through iOS / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three(03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	66667.64	333338.20	Three Hundred Thirty Three Thousand Three Hundred Thirty Eight & point Twenty Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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10	SITC of Digital Wireless UHF Headset microphone set with Rack receiver having 56 MHz or higher of switching bandwidth and equidistant spacing enables up to 90 channels or more along with 2,240 selectable frequencies for fine tuning. It should have auto scan feature for efficient connections to reduce time and effort. It should have min 100 meter transmission range. It should have cardioid pick-up pattern, Sound pressure level (SPL) : 150 dB or more, System Latency : 1.9 ms, Dynamic range: 130 dB and frequency response: 20Hz- 20000 Hz. The microphone system can be controlled through ios / Android applications via Bluetooth. It should have 12 hours of operation life and more. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	66667.64	333338.20	Three Hundred Thirty Three Thousand Three Hundred Thirty Eight & point Twenty Only
11	SITC of Charging set with USB charger and 2 rechargeable battery packs for handheld and body pack transmitter. It should charge 100% battery power in max. 3 hours charging time. Maximum operating time of 12 hours. Stackable and charging is through USB-C. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	15	Nos.	17367.24	260508.60	Two Hundred Sixty Thousand Five Hundred Eight & point Sixty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

12	SITC of Professional 4x4 HDMI 2.0 Matrix Switcher with Audio Matrix. It includes 4 HDMI inputs, 4 HDMI outputs and the last two outputs with down-scaling function, which is designed for switching two HDMI2.0 and HDCP2.3 compliant signals. It also features 4 SPDIF and 4 analog audio outputs for the audio matrix. The matrix switcher features comprehensive EDID management and advanced HDCP handling to ensure maximum functionality with a wide range of video sources. It not only supports bi-directional IR, RS232 extension but also has IR, RS232, and TCP/IP control options. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge	5	Nos.	70751.62	353758.10	Three Hundred Fifty Three Thousand Seven Hundred Fifty Eight & point Ten Only
13	SITC of point to point extender set for HDMI 2.0 and IR signals. This kit supports 4K/UHD video @ 60 Hz with 4:4:4 Chroma sampling, as well as HDMI data rates up to 18 Gbps, HDCP 2.2 compliant. It provides HDMI transmission up to 230 feet (70 meters) for 4K @60Hz 4:4:4 or 1080p, over single CAT5e/6 cable. It supports video resolution down scaling, the 4K input can be automatically downscale to 1080p output for compatibility with 1080p display. Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	20	Nos.	23169.30	463386.00	Four Hundred Sixty Three Thousand Three Hundred Eighty Six & point Zero Only



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14	FLOOR STANDING RACK: Supply, Installation, Testing & Commissioning of 12 U Floor standing rack with caster wheels. It should have cable entry from top and bottom. Should have front glass door with lock. Should have three shelf. tray.(1U/255mmD),PDU6x5Amp,Fan 90CFM,Mounting hardware(Packet of 10). Bid specific signed MAF from the O.E.M (on OEM Letterhead) to be uploaded by the Bidder. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	33700.80	168504.00	One Hundred Sixty Eight Thousand Five Hundred Four & point Zero Only
15	CABLES AND CONNECTORS: Supply, Installation, Testing & Commissioning of required cables and connectors and mounts. Three (03) Years onsite OEM Warranty and as per the direction of the Engineer-in-charge.	5	Nos.	77231.00	386155.00	Three Hundred Eighty Six Thousand One Hundred Fifty Five & point Zero Only
16	SYSTEM INTEGRATION, PROGRAMING, COMMISSIONING, TRAINING CHARGES	5	Nos.	74340.00	371700.00	Three Hundred Seventy One Thousand Seven Hundred & point Zero Only
17	SITC of Ceiling mountained in door wireless Acess point and as per direction of Engineer-in-charge	10	Nos.	36000.00	360000.00	Three Hundred Sixty Thousand & point Zero Only
18	SITC of PoE+Network switch with SFP+Uplink port and as per direction of Engineer-in-charge.	5	Nos.	171600.00	858000.00	Eight Hundred Fifty Eight Thousand & point Zero Only
19	SITC of Cat 6A UTP cable laying from Existing LAN/Data ports to Wifi, Digital podium, Desktop PC along with creation of additional LAN/Data ports as per required and as per direction of the Engineer-in-charge.	1	No.	25000.00	25000.00	Twenty Five Thousand & point Zero Only



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20	SITC of 6 KVA single pahse UPS with 30 minutes back-up including battery and in-built isolation transformer and as per direction of Engineer-in-charge.	5	Nos.	151034	755170.00	Seven Hundred Fifty Five Thousand One Hundred Seventy & point Zero Only
Total in Figures					11831753.30	INR One Crore Eighteen Lakh Thirty One Thousand Seven Hundred Fifty Three & Paise Thirty Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				