

Notice Inviting e-Tender For

Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.

(File No.: AIIMS/BBSR/ENGG/ELE-2021/BURN-UNIT /120)



All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.edu.in

NIET No. : **AIIMS/BBSR/ENGG. / ELECT. /69/RE/2022**
Estimated Cost : **@ Rs 21,75,898.00/-**
Issue date **29/04/2022**
Last date of submission : **17/05/2022 (14.00 hours)**
Date & time of opening E : **17/05/2022 (15:30 hours)**
-tender
Completion Period : **60 Days.**

“Certified that, this tender document contains **46 pages** only”.

**Executive Engineer (Electrical)
AIIMS, Bhubaneswar**

Government of India, Ministry of Health & Family Welfare, AIIMS, Bhubaneswar

Name of Work : “ Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.”

NIT No. : AIIMS/BBSR/ENGG. /ELECT/69/RE/2022

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ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR
NOTICE INVITING e-TENDER

(a)	Name of Work	Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.
(b)	Tender No.	<u>AIIMS/BBSR/ENGG. /ELECT. /69/RE/2022</u>
(C)	Estimated Cost	Rs 21,75,898.00/- (Rupees Twenty-one lakhs seventy-five thousand eighty hundred ninety-eight only)
(e)	Earnest Money Deposit (EMD)	2% of estimate cost (Rs 43518.00/-)
(f)	Performance Security (Bank Guarantee)	3% of Tendered Cost.
(g)	Security Deposit	2.5% of the Tendered Value.
(h)	Tender documents will be Issued From	Download from Institute Website. (i.e. www.aiimsbhubaneswar.edu.in, www.tenderwizard.com/AIIMSBBSR, www.eprocure.gov.in).
(i)	Last Date, Time & Place of Submission	By 17/05/2022 at 14:00 Hours through online.
(j)	Date, Time for opening of Tender (Technical Bid)	On 17/05/2022 at 15:30 Hours.
(k)	Date, Time for opening of Tender (Financial Bid)	To be intimate later on.

1. The time of submission of e-Tender is **17/05/2022 at 14:00 Hours**. The indenting Bidder must read the Terms & conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.

2. Information and Instructions for bidders posted on website shall form part of bid document.

3. The Bid documents consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.aiimsbhubaneswar.edu.in Or www.tenderwizard.com/AIIMSBBSR.

Executive Engineer (Electrical)
AIIMS, Bhubaneswar

INFORMATION AND INSTRUCTIONS TO BIDDERS FOR e-TENDERING

The Executive Engineer (Electrical) AIIMS, Bhubaneswar invites on behalf of Director, AIIMS, Bhubaneswar, Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, any central Govt, State Govt., PSU etc. having successfully completed works of similar nature as per eligibility criteria for the following work.

Ser. No.	Description	Details
(a)	NIT No.	AIIMS/BBSR/ENGG. /ELECT. /69/RE/2022
(b)	Name of Work:	Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.
(c)	Estimated Cost	Rs 21,75,898.00/- (Rupees Twenty-one lakhs seventy-five thousand eighty hundred ninety-eight only)
(d)	Earnest Money	2% of estimate cost (Rs 43518.00/-)
(e)	Period of Completion	60 days
(f)	Last date and time of online submission of tender	By 17/05/2022 at 14:00 Hours through online.
(g)	Time and date of online opening of Tender (Technical Bid)	On 17/05/2022 at 15:30 Hours.
(h)	Time and date of opening of Online Financial Bids	To be intimate later on.
(i)	Period during which hard copies of Earnest Money Deposit (original), Registration Certificates, Undertaking and other Documents to be submitted to the Executive Engineer (Electrical), AIIMS, Bhubaneswar office by the Bidders for reference. However, the Eligibility will be considered as per uploaded documents.	To be submitted on same Days i.e. on 17/05/2022 by 14:00 Hours . In case the last day happens to be closed due to holiday, these Documents shall be submitted on the next working day, failing which technical Bid will not be considered for Evaluation.
(j)	Mode of submission of Tender	On Line.

- The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.
- Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
- The bid document consisting of NIT, 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 can be seen and downloaded from <http://www.tenderwizard.com/AIIMSBBSR> or www.aiimsbhubaneswar.edu.in free of cost.
- For e-tendering of this tender, AIIMS has engaged e-portal maintained by M/s ITI Limited, Bhubaneswar. Intending bidders shall have to register with M/s ITI Limited, Bhubaneswar to participate in the tendering process. For details kindly visit website <http://www.tenderwizard.com/AIIMSBBSR> or contact Shri SANJEEB MAHAPATRA (Mobile No. 7377708585). If needed they can be imparted training on online bidding process as per details available on the website.**
- The intending bidders must have valid class-III digital signature to submit the bid.
- The bid can be submitted only after depositing e-tender Processing Fee in favor of ITI Limited and uploading the mandatory scanned documents as specified within the period of bid submission.

7. Copies of eligibility documents and Earnest Money Deposit. as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.

8. Bidders must ensure to quote rate of each item. The column meant for quoting rate in figures appears in dark yellow color and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

9. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

10. Financial bids shall be opened online only for bidders for whom Earnest Money Deposit and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

11. If the contractor is found ineligible after opening of bids, his bid shall become invalid.

12. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid.

13. ***The Bidders shall have mandatory to submit original documents for Earnest Money Deposit and self-certified copies of all the scanned and uploaded documents on same day of opening of tender in the office of Tender Opening Authority before online opening of e-Tender. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -***

- (a) DD of any scheduled bank against Earnest Money Deposit in favour of AIIMS, Bhubaneswar.
- (b) Appendix 'A to C' duly filled in (Pages 12 & 13 ref.) and signed.
- (c) Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser No - 4, Page No. – 7 refer under Eligibility Criteria.
- (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
- (e) Copy of PAN Card.
- (f) Copies of Balance Sheets
- (g) Copies of undertaking.
- (h) Copies of valid Company registration certificate.
- (i) The Bidder should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given.
- (j) Declarations to be given by the Tenderers (as per Page 06.).
- (k) Manufacturers' Authorization Form (Appendix –D).
- (l) Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.
- (m) Copy ESI Registration Certification.
- (n) Copy EPF Registration Certification.

- (o) Technical Specification of Hardware and Software required for the Intercom and LAN System submitted in the format given in Appendix-E shall be complied by the Bidder and uploaded in the tender.

14. FRAUD AND CORRUPTION:

- 14.1 The Engineer-in-Charge will reject a proposal for award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.
- 14.2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited & the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 14.3 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-
- (i) If the contractor submits false experience/completion certificates, **as mentioned in Ser. No. - 4(a), Page No. - 8 (refer under Eligibility Criteria)**. The department reserves the right to verify the particulars furnished by the applicant independently.
 - (ii) If the contractor fails to commence the work on or before the scheduled date stated in the work order.
 - (iii) Violates any important condition of contract.
15. Information & Instruction for Contractor will form Part of NIT.

Executive Engineer (Electrical)
AIIMS, Bhubaneswar

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that: -

(a) I /We have gone through CPWD W-8 amended up to correction Slip No.6 as available on website www.tenderwizard.com / www.aiimsbhubaneswar.edu.in or in the office of Superintendent Engineer and I/We agree with the terms and conditions of it and understood that it will form part of the agreement.

Date: _____

Signature of the Tenderer

(b) "I,S/o Shri resident of hereby certify that none of my Relative(s) as defined in Paragraph 14 of CPWD W-6 is/are employed in AIIMS Electrical Zone, Odisha. In case at any stage, it is found that the information given by me is false/incorrect, AIIMS shall have the absolute right to take any action as deemed fit without any prior intimation to me".

Date: _____

Signature of the Tenderer

NOTE: - (To be certified by all the partners in case of partnership firms, by all the directors in case of companies).

(c) "I/We undertake and confirm that eligible similar Work(s) has/have not been got executed through another contractor on back to back basis. Further, it is stated that, if such a violation comes to the notice of Department, then I/We shall be debarred for bidding in AIIMS in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Superintending Engineer shall be free to forfeit the entire amount of Performance Guarantee".

Date: _____

Signature of the Tenderer

GENERAL RULES & DIRECTIONS

The Executive Engineer (Electrical), AIIMS, Bhubaneswar invites on behalf of Director, AIIMS, Bhubaneswar, Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, any central Govt, State Govt., PSU etc. having successfully completed works of similar nature as per eligibility criteria for the following work.

1. **Name of Work:** e-Tender for “Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS , Bhubaneswar”
2. The work is estimated to cost of **Rs 21,75,898.00/- (Rupees Twenty-one lakhs seventy-five thousand eighty hundred ninety-eight only)**. The estimate, however, is given merely as a rough guide.
3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, “**Supply, Installation, Testing and Commissioning of IT Networking / EPABX System .**”
4. **Eligibility Criteria.** Indenting Bidder, who fulfill following requirement shall be eligible to apply: -
 - (a) Three (03) similar works each of value **not less than 40%** (i.e. for **Rs. 8,70,359.00/-**) of estimated cost put to tender
or
Two (02) similar works each of value **not less than 60%** (i.e. for **Rs. 13,05,539.00/-**) of estimated cost put to tender
or
one (01) similar work of value **not less than 80%** (i.e. for **Rs 17,40,718.00/-**) of estimated cost put to tender in **last 07 (Seven) Years** ending 30th Mar 2022.
 - (b) The bidder should have positive net worth and should not have incurred loss in last 03 (Three) Years ending i.e. by **31st March 2022**, duly certified by Chartered Accountant.
 - (c) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body.
 - (d) Agreements shall be drawn with the successful bidders for item/items on prescribed format. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
 - (e) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents.
 - (f) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
 - (g) The time allowed for carrying out the work will be two Months (60 days).
 - (h) **Average Annual Financial**, the turnover during the last 3 years, ending **31st March 2022** should be more than 30% of the estimated cost.
5. **Preparation & Submission of Tender through Online.** The Tender should be submitted in **02 (Two) parts i.e. Technical Bid and Financial Bid respectively**. The Technical Bid should be sent by the Bidder through online as “**Technical Bid**” for “**Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.**”

6.1 Earnest Money Deposit. The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs.43,518/- (RUPEES FORTY-THREE THOUSAND FIVE HUNDRED EIGHTEEN ONLY)** by way of Demand Drafts. **Scanned Copy of the Demand Drafts must be uploaded and the original DD must be submitted** with the Technical Bid documents. Bid(s) received in tender without Demand Drafts of EMD will be rejected. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/Annual Deposit and, for unsuccessful bidder(s) it would be returned after Award of the Contract.

6.2 Performance Guarantee. The successful contractor will be required to furnish a Performance guarantee of 03% (Three Percent) of Contract Value after receiving notification of award in the form of Fixed Deposit Receipt or Bank Guarantee from any Nationalized Bank (as per clause-v) in the name of the "All India Institute of Medical Sciences, Bhubaneswar" which shall be kept valid for a period of 60 days beyond completion of all the contractual obligations. The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contractor for unsatisfactory performance or non-observance of any condition of the contract. Performance Security will be discharged after completion of contractor's performance obligations (including Warranty/Guarantee period) under the contract. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the contractor shall be debarred from the AIIMS tender for one year.

7. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A 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 bidders shall be responsible for arranging and maintaining at his own cost, all materials, tools & plants, 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 bid by a 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 to be done and of conditions.

8. The Tender paper/documents can be seen/downloaded from Official website & submitted through online. For any query, Executive Engineer (Electrical), Phone: 0674 – 2476500, AIIMS, Bhubaneswar, may be contacted.

9. The Director, AIIMS, Bhubaneswar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids 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.

10. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

11. The Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

12. The contractor shall not be permitted to bid for works in the AIIMS, Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall also intimate the names of person 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 AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

13. 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 contractor 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 contractor 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 afore said before submission of the bid or engagement in the contractor's service.

14. The bid for the works shall remain open for acceptance for a period of 180 days from the date of opening of bids.

15. This notice inviting bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of "The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance there of together with any correspondence leading thereto.

16. **List of Documents to be submitted along with the Technical Bid.**

- (a) Form A to C duly filled in.
 - (b) Certificates of Work Experience & Completion Certificate of Similar Work from the officer not less than the rank of Executive Engineer or equivalent.
 - (c) Certificate of Registration for GST and acknowledgement of up-to date filed return if required.
 - (d) All documents as per Ser. No. 13 (a) to (o) (Page - 05 refers).
17. (a) Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor.
- (b) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
- (c) The quoted Rates shall be inclusive of GST.
- (d) Labor Cess @ 01% will be deducted from the Bill.
- (e) If water is used from the AIIMS Bhubaneswar, then water charges will be deducted @ 1% of the bill amount.
- (f) Electrical charges as per actual meter reading shall be deducted from the bill. If connection is taken directly without installation of meter with prior permission from Executive Engineer (Electrical) , then amount as per the usage shall be deducted from the gross bill amount as suggested by EE(Electrical).

18. **Goods and Services Tax (GST).**

- (a) GENERAL REMARKS ON TAXES & DUTIES: In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.
- (b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.
- (c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").
- (d) Quoted price/rate(s) should be inclusive of all taxes and GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the price Bid. please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services (service provider) only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case may be as per rules/regulation of GST.

Further, returns and details required to be filled under GST laws & rules should be timely filed by supplier of Goods /services (Service provider) with requisite details.

19. The Agency shall be solely responsible for compliance to the provisions of various Labour and industrial laws, such as, wages, allowances, compensations, Bonus. Gratuity, etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -
 - (a) The Payment of Wages Act 1936.
 - (b) The Employees Provident Fund & MP Act, 1952.
 - (c) The Contract Labour (Regulation) Act, 1970.
 - (d) The Payment of Bonus Act, 1965.
 - (e) The Payment of Gratuity Act, 1972.
 - (f) The Employees State Insurance Act, 1948.
 - (g) The Employment of Children Act, 1938.
 - (h) The Motor Vehicle Act, 1988.
 - (i) Minimum Wages Act, 1948.
20. **Breach of Terms and Conditions.** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract. Or In Case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by AIIMS, Bhubaneswar in that event the firm shall be suspended for One Year.
21. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be final and binding on the Tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.
22. **Arbitration.** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.
23. **Dispute Settlement.** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.
24. The Lowest Bidder will be decided as per the Commutation Rates quoted by the Bidder for individual item.
25. **Mode of Payment:**
 - (a) Full payment will be released after due verification of final bill by Engineering-in Charge or his representative after completion of work. The deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bill. No provision is given for RA bill payment in this contract.

- (b) It will be mandatory for the bidders to indicate their bank account number and other relevant e-payment details so that payment could be made through RTGS/ Other mechanism.

26. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.

27. **Penalty:** All the work shall be completed within the time given. In case of any failure of / delay in work penalty shall be invoked as per Clause-2 of GCC of CPWD works-2020, by the as per schedule F.

28. Since the work is specialized work, the bidder shall must complied the Appendix -D and E. If any bidder not complied in Appendix -D and E, the bidder will be summarily rejected.

29. **Vendor shall submit following documents after execution of given work:**

- (a) Work Completion Certificate
- (b) Testing & Commissioning Certificate
- (c) Warranty/Guarantee Certificate
- (d) Colour Photos of Executed work at different stages on glossary paper
- (e) No-Objection Certificate (NOC) regarding work
- (f) GST return up to date Voucher.
- (g) Bank Account Details
- (h) Manufacturing test certificate.
- (l) 36(i) certificate for engagement of Technical staff.

**Executive Engineer (Electrical)
AIIMS Bhubaneswar**

SCOPE OF WORK

New installation and integration with existing LAN setup include but not limited to the following tentative work:

1. Indoor/outdoor Cable Laying through PVC/HDPE Pipe, Casing including all materials.
2. Installation of IO/Crimping/Patch Panel/ Rack/ Switch/IP gateway card/ IP Phone and System Integration
3. Laying and Termination of CAT6 UTP and fiber Cable. All cabling must be "structured"
4. Network Documentation (on Paper and softcopy)
5. All the floppy-disc., CD's, operational manuals, stationery and similar accessories made available by Equipment vendor would be handed over by the Contractor to AIIMS after installation work is over.
6. Labeling of Cables, I/Os, Jack Panel, Switches, IP phone and IP gateway Card for new connections.
7. Repair/Refurnishing work owing to damage caused due to cabling or any other work related to this Project. There should not be any hanging or uncovered wire.
8. Patch cord should be branded and factory crimped.
9. Equipment furnished shall be complete in every respect with all mountings, fittings, fixtures and standard accessories normally provided with such equipment's and/or needed for erection, completion and safe operation of the equipment's as required by applicable codes though they may not have been specifically detailed in the tender document, unless included in the list of exclusions. All similar standard components/parts of similar standard equipment's provided, shall be inter-changeable with one another.
10. The Bidder shall be responsible for providing all materials, equipment's, and services, specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, and reliability of the complete equipment covered under this specification within his quoted price. This work shall be in compliance with all applicable standards, statutory regulations and safety requirements in force of the date of award of this contract.
11. The bidder shall also be responsible for deputing qualified personnel for installation, testing, commissioning and other services under his scope of work as per this specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
12. The installation of equipment's shall be accepted only after installation tests are over.
13. The bidder should ensure while installation of LAN & IP gateway Card, day-to-day functioning of official work and existing network setup/connectivity/internet connectivity should not get disrupted.
14. The bidders proposal shall include the list of tools (such as crimping tool, Krone punch tool) and other accessories, which are required for installation of the connection. No separate charges for fixing/crimping/other connection charges would be paid by AIIMS
15. The switches proposed by the bidders must be compatible to the existing network.

16. AIIMS reserves the right for quantity variation due to increase/decrease in requirements. The bidder shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total system covered under this specification, including integration and interoperability with the existing LAN.
17. Scope of Work shall also include :-
- a. Powering on equipment after ensuring correctness of terminations interfaces and power supply and making the system ready for testing and commissioning.
 - b. Testing of LAN Cables after laying, terminations and ferruling at both the ends. All testing tools and instruments shall be brought by the bidder and taken back after the testing.
 - c. Configuration of the equipment as per the requirements of AIIMS including Network segmentation.
 - d. Site acceptance tests to establish satisfactory performance of the equipment's as per specs.
 - e. Assistance for familiarization and operation of the installed system & services for DLP period after acceptance of system.
18. In case, the quantity of laying cables or fixing wall mount sockets etc. exceeds or is less than the quantity in bid price schedule, the payment for the executed quantity shall be paid on pro-rata basis, for the actual quantities consumed / for which the installation is carried out through the Bidder on Certification by AIIMS Engineer.
- 19. Active Component to be integrated with exiting passive component for smooth function of LAN system.**
- 20. IP gateway card to be installed and integrated with the exiting EPABX system (Siemens Hi-path 4000).**
21. Any other work required for making the network functional up to the satisfaction of AIIMS Bhubaneswar.

**Signature of Bidder Name & Designation
Company Seal**

Appendix 'A'**FORM FOR FINANCIAL INFORMATION**

(Financial Analysis)

Details to be furnished duly supported by figures in Balance Sheet/Profit & Loss Account duly Certified by the Chartered Account, as submitted by the applicant to the Income Tax Department (copies to be attached).

Ser. No.	Description	2017-18	2018-19	2019-20	2020-2021	2021-22

Note: Gross Annual Turn Over only.

Appendix 'B'**FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS****COMPLETED DURING THE LAST 07 (SEVEN) YEAR****(I.e. FOR THE YEAR ENDING 2022)**

Ser. No.	Name of Work/ Project	Location	Owner or Sponsoring Organization	Cost of Work in Lakhs	Date of Commencement as per Contract	Stipulated date of Completion	Actual date of Completion	Litigation/ Arbitration pending/ In progress with details	Remarks
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

(Authorized Signature of the Bidder with Seal)

Appendix `C`**FORM FOR DETAILED INFORMATION BY BIDDER**

Name of Firm/Contractor/Supplier	:
Complete Address and Telephone Number	:
Name of Proprietor/Partner/Managing Director/Director	:
Phone Number	:
Mobile Number	:
e-Mail ID	:
Name and address of service center nearby Bhubaneswar	:
Whether the firm is a registered Firm (Yes/No. Attach Copy of Certificate)	:
PAN Number. (enclose the attested copy of PAN Card)	:
Service Tax Number. (enclose the attested copy of VAT Certificate)	:
GST Number (enclose the attested copy of VAT Certificate)	:
Whether the firm has Uploaded the demand Draft of Earnest Money Deposit.	:
Whether the Firm/Agency as signed each and every page of Tender/NIT	:
Any other information, if necessary.	:

(Authorized Signature of the Bidder with Seal)

All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.edu.in

BIDDERS UNDERTAKING

E-Tender for the work of: **“Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar”**.

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **On 17/05/2022 at 15:30 Hours.**
- (b) Time and date of opening of Online Financial Bids. : **To be intimate later.**

T E N D E R

I/We have read and examined the notice inviting tender, schedule along with Appendices 'A' to 'C' as per Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

If I/We, fail to furnish the prescribed Performance Guarantee within prescribed period. I/We agree that the said Director, AIIMS, Bhubaneswar or his successors, in office shall without prejudice to any other right or remedy, be at liberty to debar my firm from AIIMS tender for one year. Further, if I/We fail to commence work as specified, I/We agree that Director, AIIMS, Bhubaneswar 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 documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in the tender form. Further, I/We agree that in case of forfeiture of 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 got executed through another contract or on back to back basis. Further that, if such a violation comes to the notice of AIIMS, Bhubaneswar, then I/We shall be debarred for tendering in AIIMS, Bhubaneswar in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Administrative Officer shall be free to forfeit the entire amount of 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 there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: * _____

Signature of Contractor
with full Postal Address

Witness: *

Address: *
(* To be filled in by the Contractor.)

Occupation: *

Manufacturers' Authorization Form

Dated: _____

To;
The Director
All India Institute of Medical Sciences AIIMS, Bhubaneswar

Tender No :

E-Tender for the work of : "Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar."

Equipment Name : IP Gateway STMI4 Card for Siemens Hi-path 4000 EPABX.

Dear Sir/Madam:

1. We _____ (Name of the OEM) are the original manufacture of the above equipment having registered office at _____
 _____ (full address with telephone No/Fax _____ do hereby declares to give supply and maintenance support to _____
 through M/S _____, who is participating in Tender having No _____ of AIIMS, Bhubaneswar.

2. We also hereby declare that we have the capacity to manufacture and supply, installation and commissioning the quantity of the equipment tendered within the stipulated time and also provide service to it.

Name :

Yours

For and on behalf of M/S _____

Faithfully,

(Name)

(Name of the Manufacturers)

Place :

Date :

Note : This letter of authority should be on the letter head of the manufacturing concern and should be signed by a competent person from OEM agency.

CONDITIONS FOR WORKS

A. GENERAL CONDITIONS

1. Name of the work: **“Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.”**
2. For all items ; CPWD specifications with correction slips up to the date of receipt of tender shall be followed. For the items which are not covered under CPWD specifications; the special conditions /B.I.S. specifications shall apply. In this regard the decision of Engineer-in- charge shall be final & building.
3. Wherever any reference is made of any Indian Standard, it shall be taken as reference to the latest edition with all amendments / revision issued thereto up to the date of receipt of tenders.
4. Unless otherwise specified, the agreement rates for all items of work of the schedule of quantities are for all heights, depths, leads and lifts involved in the execution of work.
5. Other agencies working at site will also simultaneously execute the work entrusted to them and the contractor shall offer necessary co-operation wherever required to other agencies.
6. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the program for execution accordingly, for which nothing extra shall be paid.
7. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, Labor Laws, minimum wages act, workmen compensation act and other statutory laws enact by Central Govt. as well as State Govt.
8. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall not be allowed to erect any temporary set up for staff in the campus.
9. No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.
10. The contractor shall have registration with Employee’s Provident Fund commissioner and Employee’s state Insurance Corporation for safe guarding interest of his workmen. He shall obtain all other necessary approvals from statutory bodies as per law in vogue.
11. All T&P, ladders/Hydra etc, Electrical instruments for execution of internal electrification work, consumable and Contingent Articles required for execution of the work shall be arranged by the contractor.
12. Staff employed by the contractor should be well behaved, polite & courteous. Any complaint against staff on behavior should be taken very seriously and such staff should be removed by the contractor immediately from the site and replacement shall be provided immediately.
13. All dismantled material will be removed from site by contractor after verification of measurement of the same by JE.
14. The contractor shall make all safety arrangement required for the labor engaged by him at his own cost. All consequences due to negligence or due to lapse of security/safety or otherwise shall remain with the contractor. The department shall not be responsible for any mishap, injury, accident or death of the contractor’s staff. No claim in this regard shall be entertained / accepted by the department. Also, Contractor is responsible to the damage caused to any man/material other than his team during execution and AIIMS will not be responsible for that.

15. Contractor shall be fully responsible for any damages caused to govt. property or allotter's property by his or his labor in carrying out the work and shall be rectified by the contractor at his own cost.
16. GST and other Taxes as applicable shall be recovered/paid from the contractor's bill as per Govt. of India/AIIMS Rules.
17. Security Deposit of 2.5% of the Contract Value will be deducted from the final Bills.
18. All the work shall be completed within **60 days** from the date of issue of work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty shall be invoked as per Clause-2 of GCC of CPWD works-2020, by the as per schedule F.
19. Chases, holes & drilling works etc. shall be done using power operated tools in the cost of Contract. No extra will be paid for the same.
20. For non-compliance or partial compliance of satisfactory execution of items, the Engineer-in-charge reserves his rights to levy compensation in accordance with the scale of non-conformity and the period for which this non-conformity continues. However, the total amount of this compensation for the whole contract shall not exceed **10% of the tendered value** of this contract. This shall be without prejudice to other remedies available to Engineer-in-charge under this contract to act against the contractor.
21. In the case of discrepancy between the schedule of quantities, the Specifications and/or the Drawings, the following order of preference shall be observed: -
 - (a) Description of schedule of quantities.
 - (b) Additional specifications and special conditions, if any.
 - (c) Indian standards specifications/BIS. (vii) Sound engineering practice. Any reference made to any Indian standards specifications in these documents, shall imply to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.
22. The Agency shall be solely responsible for compliance to the provisions of various Labor and industrial laws, such as, wages, allowances, compensations, EPF, Bonus, Gratuity, ESI etc. relating to personnel deployed by it at AIIMS, Bhubaneswar site or for any accident caused to them and the institute shall not be liable to bear any expense in this regard. The Agency shall make payment of wages to workers engaged by it by the stipulated date irrespective of any delay in settlement of its bill by AIIMS, Bhubaneswar for whatever reason. The Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -
 - (a) The Payment of Wages Act 1936.
 - (b) The Employees Provident Fund & MP Act, 1952.
 - (c) The Contract Labor (Regulation) Act, 1970.
 - (d) The Payment of Bonus Act, 1965.
 - (e) The Payment of Gratuity Act, 1972.
 - (f) The Employees State Insurance Act, 1948.
 - (g) The Employment of Children Act, 1938.
 - (h) The Motor Vehicle Act, 1988.
 - (j) Minimum Wages Act, 1948.
23. **Breach of Terms and Conditions.** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract. Or in Case of breach of any terms and conditions as mentioned

above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason thereof and nothing will be payable by AIIMS, Bhubaneswar in that event the firm shall be suspended for one year.

24. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labor legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be final and binding on the Tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.

25. **Arbitration.** The Arbitration shall be held in accordance with the provision of the Arbitration and conciliations Act, 1996 and the venue of arbitration shall be at Bhubaneswar. The decision of the Arbitrator shall be final and binding on the both parties.

26. **Dispute Settlement.** It is mutually agreed that all differences and disputes arising out of or in connection with this agreement shall be settled by mutual discussions and negotiations if such disputes and differences cannot be settled and resolved by discussions and negotiations then the same shall be referred to the sole Arbitrator appointed by the Director, AIIMS, BHUBANESWAR whose decision shall be final and binding on both the parties. The contract shall be governed by laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/ processing.

27. The Lowest Bidder will be decided as per the Commutation Rates quoted by the Bidder for individual item.

28. Payment shall be made on after successful completion of work and due Certification of the Bills by the Representative of Engineer-in-Charge.

SPECIAL CONDITIONS

1. Any facility not mentioned in this scope, but which is vital to **“Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar.”** are assumed to be included in the scope of work.

2. Contractor has to ensure safety and provide adequate supervision/precautions.

3. During working at site, some restrictions may be imposed by Engineer-in-Charge/Security staff of Corporation or Local Authorities regarding safety and security etc., the contractor shall be bound to follow all such restrictions/instruction & nothing extra shall be payable on this account & no claim for delay on this account shall be entertained.

4. No compensation shall be payable to the contractor for any damage caused by rains lightening, wind, storm, floods Tornado, earth quakes or other natural calamities during the execution of work. He shall make good all such damages at his own cost; and no claim on this account will be entertained.

5. The tender shall be based on Conditions of Contract and tenderers are required to quote their own rates against each item in schedule of quantities, which is enclosed. All rates shall remain firm for the contract period/extended contract period.

6. If the contractor fails to proceed with the work within the stipulated time as specified from the date of issue of letter of intent/letter to proceed with the work, the Corporation shall be debarred from AIIMS tender for one year.

7. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.

8. Packing: The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.

9. Drawing and Specifications

A copy of tender documents and all relevant drawings and specifications viz. Indian standards, latest CPWD specifications etc. shall be made available at site if & when asked for reference.

10. Cost of Tests

The cost of preparing samples and carrying out tests for quality of material or workmanship will be borne by the contractor except for such exclusions as are specifically mentioned in the specifications laid down in contract. The cost of all test carried out by Laboratories directed by the Engineer-in-Charge will be borne by the contractor.

11. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications, Indian Electricity Rules & National Electrical Code.

12. The contractor has to get approved all the material from the Engineer-in-Charge before its actual use at site of work.

13. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to contractor for the same.

14. The watch and ward of material and installation shall rest on the part of contractor during execution of work and till handing over of the same after completion of work in accordance with schedule of work.

15. The contractor will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during execution of work, it shall be made good by contractor without any extra cost.

16. Existing structure materials on good condition may be used after joint inspection by AIIMS representatives & vendor.

17. The vendor shall submit color photographs printed with glossy paper for showing different stages of work during the submission of final bill.

**Executive Engineer (Electrical)
AIIMS Bhubaneswar**

SIGNATURE OF THE CONTRACTOR

TECHNICAL SPECIFICATION**WIRING****1. GENERAL**

Technical specifications in this section cover the Internal Wiring Installations comprising of Wiring for convenience socket outlet in surface/concealed conduit.

2. STANDARDS AND CODES.

Latest up to date Indian Standard (IS) and Code of practice will apply to the equipment and the work covered by the scope of this contract. In addition, the relevant clauses of the Indian Electricity Act 1910 and Indian Electricity Rules 1956 as amended UpToDate shall also apply. Wherever, appropriate Indian Standards are not available, relevant British and/or IEC Standard shall be applicable.

3. CONDUITS.

3.1. MS CONDUITS. Wiring shall be carried out in surface/concealed conduits. The MS conduits conform to Latest and shall be ISI embossed. The conduits shall be heavy gauge (minimum 2 mm wall Thickness) and the interiors of the conduits shall be free from all obstructions. All joints in conduits shall be tightening properly with socket. Damage conduits/fittings shall not be used. Cut ends of conduits shall not have sharp edges.

3.2. BENDS. As far as possible, the conduit system shall be so laid out that it shall obviate use of tees, elbows and sharp bends. No length of conduit shall have more than the equivalent of two quarter bends from inlet to outlet.

3.3 CONDUIT ACCESSORIES

3.3.1 STANDARD ACCESSORIES. The conduit wiring system shall be completed in all respects, including their accessories. Bends, couplers, Dip junction Boxes etc. shall be solid or inspection type as required, in surface type or works. The accessories shall conform in all respects to the relevant IS. Samples shall be got approved by Executive Engineer (Electrical) before use.

3.3.2. FABRICATED ACCESSORIES. Wherever required, outlet boxes of required sizes shall be fabricated from 1.6 mm thick MS sheets which shall be fabricated from minimum 3 mm thick sheets. The outlet boxes shall be of approved quality, finish and manufacture. Suitable means of fixing connectors etc., if required, shall be provided in the boxes. The boxes shall be protected from rust by zinc phosphate primer process. Boxes shall be finished with minimum 2 coats of enamel paint of approved colour. A screwed brass stud shall be provided in all boxes as earthing terminal.

4. LAYING OF CONDUITS

- Conduits shall be laid on surface/concealed on walls and ceilings as required.
- Same rate shall apply for surface/concealed Conduiting in this contract.
- Stranded copper conductor insulated wire of size as per schedule of quantities shall be provided in entire conducting for loop earthing.

5. SURFACE/CONCEALED CONDUITING

Wherever so desired, conduit shall be laid in surface over finished concrete and/or plastered brickwork. Suitable GI/MS Hook of approved make and finish shall be fixed to the finished Structural surface along the conduit route at intervals not exceeding 600 mm. Holes in concrete or brick work for fixing the saddles shall be made neatly by electric drills using masonry drill bits. Conduits shall be fixed on the saddles by means of good quality heavy duty MS clamps screwed to the saddles by counter sunk

screws. Neat appearance and good workmanship of surface conduiting work is of particular importance. The entire conduit work shall be in absolute line and plumb. The MS conduit should be painted with primer initially and then with two coats of approved make colour before laying the conduit.

5.1 **FIXING OF CONDUIT FITTINGS AND ACCESSORIES**

For surface/concealed Conduiting work, the fittings and accessories shall be completely embedded on finished wall/ceiling surface in a workman like manner. Loop earthing wire shall be connected to a screwed earth stud inside outlet boxes to make an effective contact with the metal body.

5.2 **CLEANING OF CONDUIT RUNS**

The entire conduit system including outlets and boxes shall be thoroughly cleaned after completion of erection and before drawing in of cables.

5.3 **PROTECTION AGAINST DAMPNES.**

All outlets in conduit system shall be properly drain and ventilated to minimize chances of condensation/sweating.

6. **LAYING AND DRAWING OF WIRES.**

6.1. **BUNCHING OF WIRES**

Wires carrying current shall be so bunched in conduits that the outgoing and return wires are drawn into the same conduit. Wires originating from two different phases shall not be run in the same conduit.

6.2 **DRAWING OF WIRES.**

The drawing of wires shall be done with due regard to the following precautions: No wire shall be drawn into any conduit, until all work of any nature, that may cause injury to wire is completed. Burrs in cut conduits shall be smoothening before erection of conduits. Care shall be taken in pulling the wires so that no damage occurs to the insulation of the wire. Approved type bushes shall be provided at conduit terminations. Before the wires are drawn into the conduits, conduits shall be thoroughly cleaned of moisture, dust, dirt or any other obstruction by forcing compressed air through the conduits if necessary. While drawing insulated wires into the conduits, care shall be taken to avoid scratches and kinks which cause breakage of conductors. There shall be no sharp bends. The Contractor shall, after wiring is completed, provide a blank metal/mica plate on all switch/outlet/junction boxes for security and to ensure that wires are not stolen till switches/ outlets etc. are fixed at no extra cost the contractor shall be responsible to ensure that wires and loop earthing conductors are not broken and stolen. In the event of the wire been partly/fully stolen, the contractor shall replace the entire wiring along with loop earthing at no extra cost. No joint of any nature whatsoever shall be permitted in wiring and loop earthing.

6.3 **TERMINATION/JOINTING OF WIRES.**

Sub-circuit wiring shall be carried out in looping system. Joints shall be made only at distribution board terminals, switches for socket outlets. No joints shall be made inside conduits or junction/draw/inspection boxes. Switches controlling socket outlets shall be connected in the phase wire of the final sub circuit only. Switches controlling socket outlets shall be connected in the neutral wire. Wiring conductors shall be continuous from outlet to outlet. Joints where unavoidable, due to any special reason shall be made by approved connectors. Specific prior permission from Engineer-in-Charge in writing shall be obtained before making such joint. Insulation shall be shaved off for a length of 15 mm at the end of wire like sharpening of a pencil and it shall not be removed by cutting it square or wringing. Strands of wires shall not be cut for connecting terminals. All strands of wires shall be twisted round at the end before connection. Conductors having nominal cross-sectional area exceeding 1.5 Sq. mm shall always be provided with crimping sockets. Tinning of the strands shall be done wherever crimping sockets are not available as per instructions of the Executive Engineer (Electrical). All wiring shall be labelled with appropriate plastic ferrules for identification. At all bolted terminals, brass flat washer of large area and approved steel spring washers shall be used. Brass nuts and bolts shall be used for all connections. The pressure applied to tighten terminal screws shall be just

adequate, neither too less. Switches controlling socket outlets shall be connected to the phase wire of circuits only. Only certified valid license holder wiremen shall be employed to do wiring/jointing work.

7. **PERFORMANCE.**

Should the above tests not comply with the limits and requirements as above the contractor shall rectify the faults until the required results are obtained. The contractor shall be responsible for providing the necessary instruments and subsidiary earths for carrying out the tests. The above tests are to be carried out by the contractor without any extra charge.



Appendix-E

Technical Specification of Hardware and Software required for the Intercom and LAN System shall be complied by the Bidder and uploaded in the tender .

SL. No.	Description of Item	Technical Specification	Compile (Yes/No)
1	IP Gateway card	1. Should be support to Siemens Hipath 4000 EPABX	
		2. Including 60 channel License	
		3. IP Gateway STMI4 Card	
		4. Supportive Speed - UNIFY,, 1000 Mbps, 100 Mbps	
		5.Operational Temperature <= 40	
		6.Ports -2	
		7. Model (Name/Number) - S30810-Q2324-X500 ; Brand : UNIFY	
2	IP Handset	1. supports RFC 3261, 3262, 3263, 3264	
		2. 4 Line LCD display (128X64 Pixels) or better	
		3. Dedicated function keys, Freely programmable keys	
		4. In-built 2 port mini switch	
		5.HD Voice quality	
		6.Phonebook; fullduplex speakerphone, noise-cancellation feature	
		7. integrated PoE	
		8. auto provisioning, and other features that are extremely useful for corporate office and management personnel.	
		9. standard Native SIP protocol supporting feature eases to work with any IP-PBX working with native SIP,VPN, VLAN; NAT Transverse: Support STUN Client; LDAP Support ;802.1 x Authentication Support; SNTP Time Synchronization	
		10. Supports DHCP, DNS, SNTP, SNMPV2 ;PoE Support (IEEE802.3af);Web Based Management; Echo Cancellation ;Voice Activity Detection; Adaptive Jitter Buffer Management; Comfort Noise Generation	
		11. Customized Ringtones ; Speed Dial (min 10 records) ; Call Logs (min 100 records); Phonebook (min 100 entries) ; 2 Lines Supported (SIP accounts) ; Supported Codecs: G.711, G.722, G.723.1, G.726, G.729AB, iLBC ; Extension Dialing, Message Wait Indication, Do Not Disturb, Call Forwarding, Call Pickup,Call-Back,3 Party Conference, Call Transfer Blind/Supervised, Call Toggle , Call Hold ,Call Waiting ,Caller Party Name and Number Display , DTMF Dialing ,Direct Inward Dialing and Direct Outward Dialing ,On hook Dialing or better Make : Progility , Siemens, Unify or equivalent.	
3	UTP patch cord	1. 4 Pair 24AWG stranded copper wire with ROHS Compliant	
		2. Boots: Transparent Plug with anti-snag slip on boots	
		3. RJ45 Plug Standard : ISO/IEC 60606-7-4 and FCC 47 Part 68	
		4. Sheath Standards : Fire Propagation compliant with CSA FTI, IEC 60332-1, IEC 61034	
		5. Separator: Cross / Star Spine to separate 4Pairs Patch Cords.	

		6. Operating Temperature : -20 Degrees to +60 Degrees	
		Make: Molex , ComScope, Systimax or equivalent	
4	24 port L2 Managed Switch	1. Type of Switch: Web Managed	
		2. Technology: Non PoE	
		3. Number of 1G Copper Ports: 24	
		4. Number of 10G Copper Ports: 0	
		5. Number of 1G SFP Port (Uplink): 2 or More	
		6. Number of 10G SFP + Port (Uplink): 0	
		7. Multi-Gigabit Support: No	
		8. Redundant Power Supply (From day one) : Not available	
		9. Console Port: Available	
		10. Switching Capacity - Non Blocking (Gbps) : 52 or More	
		11. Throughput (MPPS) : 38 or More	
		12. Operating System: Available	
		13. Stacking Bandwidth (Gbps) : 0	
		14. Base Layer-3 Protocol: Static Routing, VLAN Routing, IP Source Guard	
		15. Security Feature: RA Guard ACL RADIUS/TACACS+ SSL 512 VLANs and 4,094 VLAN IDs Dual IP Stack	
		16. Management Protocol: GUI Web Managed, SNMPv1, v2c and v3, Support SSL	
		17. QoS: ACL, IEEE 802.1p COS	
		18. Operating Temperature Range (Degree C) : 0° to 50°C	
		19. Operating Humidity (RH) (%): 15% to 95%	
		20. IPv6 Ready from day one and dully certified: Yes	
		21. PoE Power Budget (Watt) :0	
		22. On Site OEM Warranty :24x7 Comprehensive Technical support for 5 Year and NBD advance hardware replacement and should be supported back-to-back by OEM.	
		Make: HP , Cisco , Fortinet or equivalent	
5	SFP Modules (SM)(1GBASE-LR SFP+ transceiver module)	1. Type of Transceiver : SFP+	
		2. SFP Mode: Single Mode	
		3. Supported Protocols : IEEE 802.3z	
		4. Wavelength(nm) : 1250 to 1360	
		5. Fibre Cable Type: Single Mode	
		6. Core Size (Micron) :9	
		7. Maximum Data Rate: 1 Gbps	
		8. Modal Bandwidth (MHz/Km) :0	
		9. Max. Cable Distance : 10 KM	
		10. Digital Optical Monitoring (DOM) Support :Yes	
		11. Tx Power (dBm) : 0.5 (Max) -9.7 (Min)	
		12. Receiver Sensitivity (dBm) : 0.5 (Max) -20 (Min)	

		13. Operating Temperature Range(Degree C) : 0° C to 50° C	
		14. Operating Humidity (RH) (%) :0% to 90%	
		15. On Site OEM Warranty (5 Year) :24x7 Comprehensive Technical support and NBD advance hardware replacement and should be supported back to back by OEM.	
		Make: HP , Cisco , Fortinet or equivalent	
6	SFP Modules (MM)	Type of Transceiver: SFP	
		SFP Mode: Multi	
		Supported Protocols : IEEE 802.3z	
		Wavelength(nm) :850	
		Fibre Cable Type : Multi-mode	
		Cladding Diameter (Micron) :125	
		Maximum Data Rate :1000	
		Modal Bandwidth (MHz/Km): 500 or More	
		Max.Cable Distance: 500 or More	
		Optical Component (nm): 850 or More	
		Digital Optical Monitoring (DOM) Support: Yes	
		Interface:1G SFP SX multimode	
		Tx Power (dBm) : - 9.5 or better.	
		Receiver Sensitivity (dBm) : -17 or better	
		Operating Temperature Range(Degree C) : 0°C to 60°C	
		Operating Humidity (RH) (%) : 80%	
		On Site OEM Warranty (Year) : 24x7 Comprehensive Technical support for 5 Year and NBD advance hardware replacement and should be supported back to back by OEM.	
		Make: HP , Cisco , Fortinet or equivalent	
7	LIU (Fully loaded) 12 Port	Fiber Management Shelf : 1U panel can be mounted flush or recessed in 19" cabinet / wall rack accommodation with optional rack mount ears ; Configurable Duplex Coupler ;Management rings within the system to accommodate excess fibre cordage behind the through adapters and maintain fibre bend radius. ; Rear, side & base access for Incoming / Outgoing backbone cables; Rugged steel construction finished in attractive	
		Compact size (mm): 19" Rack Mount 482mm W x 254mm D x 43mm H	
		Optical Fibre Adapters: 12 x Duplex SC SM Adapters	
		Splice Tray: 1 x Universal Splice Tray, Material: ABS polymer; Dimensions: 168mm W x 124mm D x 13mm H	
		Pigtail : 12 x SC SM 9/125µm (OS2), Pigtail 1.5 Mtrs length. ; Minimum bend radius: install: 30 mm; Operating Temperature: -20°C to 75°C; Retention Strength: 100N ;	
		Cable Sheath: LS0H*	
		Make: Molex , ComScope, Systimax or equivalent	
8	CAT 6 UTP Patch Cord 1 mtr, 3mtr	Should be 4 Pairs 24 AWG copper cables with RJ45 Clear Polycarbonate Plug	
		The Jacket should be Low Smoke Zero Halogen (LSZH)	

		Should minimum comply with proposed ANSI/TIA/EIA-568-C.2	
		Fire Propagation Tests: LSOH Sheath: CSA FT1, IEC 60332-1, IEC 61034	
		Make: Molex , ComScope, Systimax or equivalent	
9	24 Port Patch Panel Fully Loaded	Should Be made of cold rolled steel and conform to TIA / EIA 568-C.2 Component Compliant	
		Each Ports should be with individual spring loaded shuttered for dust protection. Each port (jack) and individual replaceable.	
		Should confirm to EIA/TIA 568A wiring Pattern	
		Should have integral rear cable management shelf.	
		Make: Molex , ComScope, Systimax or equivalent	
10	SM OFC 12 Core Outdoor armoured cable	Cable Type: 12 Core fiber Cable, Single Mode OS2, Unitube armoured, Gel filled cable complying to ISO.IEC 11801 - 2nd Edition, EIA/TIA 568-C.3.;ITU-T REC G 652D IEC 60793/60794, spec for Low Water Peak fibre suitable for use in direct burial, outdoor ducts and backbone cabling.	
		Armoured : Corrugated Steel Tape armoured -Thickness > 0.15mm	
		Water Blocking: Thixotropic Gel (Tube), Petroleum Jelly (Interstices)	
		Attenuation : 1310nm <=0.35 db/Km MAX : ,@1550nm <=0.22 db/Km MAX	
		Attenuation Discontinuity: Both Windows <0.10dB	
		Fibre protection(Tube) : Polybutylene Terephthalate (PBT)	
		Core/Mode-Field (um) : $9 \pm 0.4 \mu\text{m}$	
		Clad Diameter (um): 125 ± 1 : Clad Diameter (um)	
		Coat Diameter : 245 ± 10	
		Loose tube material: Single PBTP Loose tube filled with water blocking Thixotropic gel	
		Jacket material: UV Stabilised Polyethylene (HDPE)	
		Peripheral Strength Member : Two Steel wires	
		Tensile Strength: 1500N	
		Crush Resistance : 2000N/10 cm	
		Cable Diameter: 9.8mm	
		Max. Bending Radius (during installation) : 20D	
		Fibre Identification: Colour coded	
		Cable weight Kg/Km: 95 kg/km	
		Operating Temperature: -40 Degree C to +70 Degree C	
		Make: Molex , Finolex, ComScope or equivalent	
11	OFC SC-LC Patch Cord (Single Mode)	Make and Type: SC to LC Duplex tuned Fiber Optic Patch Cord 3 Mtr, 9/125 Micron	
		Cable Sheath: LSZH	
		Cable Diameter: 1.8 mm twin zip	
		Ferrule: Ceramic	
		Buffer: Tight buffered	
		Insertion Loss: MAX .3 db	

		Return Loss > 45 db	
		Temperature Range: -10 Degree C to +60 Degree C	
		ROHS : ROHS Compliant	
		Make: Molex , ComScope, Systimax or equivalent	
12	HDPE pipe	Size : 25mm dia	
		DWC HDPE pipe ISI marked	
		all accessories like socket, bend, couplers etc. conforming to IS 14930	
		Make: ISI Standard Certified OEM	



Technical Bid (Eligibility Criteria)

The scanned copies of the following mandatory documents to be uploaded on e-Tendering Portal in the following format.

Sl.no.	Details/ Particulars	Uploaded (Yes/No)	Page No
A.	Demand Draft of any Scheduled bank against EMD in favour of AIIMS Bhubaneswar		
B.	Appendix 'A to C' duly filled in (Pages 12 & 13 ref.) and signed with stamp.		
C.	Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 7 refer under Eligibility Criteria.		
D.	Certificate of Registration for GST and acknowledgement, up to date filed return if required.		
E.	Attested Copies of PAN No.		
F.	Copies of Balance Sheets.		
G.	Copies of undertaking.		
H.	Copies of valid Company registration certificate.		
I.	The Bidder(s) should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE(Electrical).		
J.	Declarations to be given by the Tenderer(s)		
K.	Manufacturer's Authorization form of IP gateway card , Switch , SFP Module submitted in the format given in Appendix -D. this letter should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.		
L.	Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid		
M.	Technical Specification of Hardware and Software required for the Intercom and LAN System submitted in the format given in Appendix-E should be on the letterhead of the manufacturing concern and should be signed by bidder.		
N.	Copy ESI Registration Certificate.		
O.	Copy EPF Registration Certificate.		

(Signature of the Bidder with Seal)

Annexure – I**AFFIDAVIT**

(To be submitted on Rs. 100/- Indian Non-Judicial Stamp Paper)

I/We hereby certify that, the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I/We also certify that, Firm will supply the item(s) as per the specification given by Institution and also abide all the Terms & Conditions stipulated in Tender.

I/We also certify that, the information given in Bid is true and correct in all aspects and in any case at a later date, it is found that any details provided are false and incorrect, any contract given to the concerned firm or participation may be summarily terminated at any state, the firm will be blacklisted and Institute may impose any action as per e-Tender Rules.

“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding 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 Performance Guarantee”.

Business Address: -

Name:

(Signature of Bidder with Firm's Seal)

Place: _____

Dated: _____

Annexure – II**FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)**

1. In consideration of the Director, AIIMS, Bhubaneswar (hereinafter called "the Government ") having offered to accept the terms and conditions of the proposed agreement between _____ and _____ (hereinafter called "the said Contractor(s)") for the work (hereinafter called "the said agreement}") having agreed to production of an irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security/ guarantee from the contractor(s) for compliance of his obligation in accordance with the terms and conditions in the said agreement.

I/We _____ (hereinafter referred to as Bank) hereby (Indicate the name of the Bank) undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by Government .

2. I/We _____ do hereby undertake to pay the (Indicate the name of the Bank) amount due and payable under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____ (Rupees _____ only).

3. I/We _____ the said bank undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor (s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

4. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payment.

5. I/ We _____ further agree that the guarantee herein contained (Indicate the name of Bank) shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till Engineer-in-charge on behalf of the Government, certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor (s) accordingly discharges this guarantee.

6. I/We _____ further agree with the Government that the (Indicate the name of Bank) Government shall have the fullest liberty without our consent, and without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor (s) and to forebear or enforce any of the terms and conditions relating to the said agreement & we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said contractor (s) or for any forbearance, act of omission on that part of the Government or any indulgence by the Government to the said contractor (s) or by any such matter or thing whatsoever which under the law relating to sureties would , but for this provision, have effect of so relieving us.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

8. We _____ lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

9. This Guarantee shall valid up to _____ unless extended on demand by Government, notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this Guarantee all our liabilities under the Guarantee shall stand discharged.

Dated the _____ day of _____ for _____

(Indicate the name of the bank)

Annexure – III

Format for Agreement
(To be made on Rs 100/- Judicial Stamp Paper)

This Agreement is made at.....on this.....day of.....2020.

BETWEEN

Director, AIIMS, Bhubaneswar represented through Superintending Engineer, AIIMS, BHUBANESWAR, (Hereinafter referred as the) (Address) **“Principal/Owner”**, which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

AND

..... (Name and Address of the Individual/firm/Company) through..... (Hereinafter referred to as the (Details of duly authorized signatory)

“Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its success or sand permitted as signs)

Preamble

WHEREAS, the Principal/Owner has floated the Tender (NIT No.)

(here in after refer red to as **“Tender/Bid”**) and intends to award, under laid down organizational procedure, contract for: **“Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar herein after referred to as the “Contract”**.

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the Land, Rules & Regulations, Economic use of resources and of fairness/ transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose afore said both the parties have agreed to enter to this Agreement (hereinafter referred to as **“Pact”**), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, inconsideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under: -

Article - 1: Commitment of the Principal/Owner.

1. The Principal/Owner commit itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason.

The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2. If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal Code (IPC)/Prevention of Corruption Act, 1988 (P C Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article - 2: Commitment of the Bidder(s)/Contractor(s)

1. It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standard and makes, and report to the Government/Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2. The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution: -

(a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind what so ever during the Tender process or during the execution of the Contract.

(b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

(c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

(e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/her reputation or property to influence their participation in the tendering process).

Article - 3: Consequences of Breach.

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right: -

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**
2. **Forfeiture of Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.
3. **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article - 4: Previous Transgression.

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

Article - 5: Equal Treatment of all Bidders/Contractors/Sub-contractors.

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
2. The Principal/Owner will enter in to Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article - 6: Duration of the Pact.

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

Article - 7: Other Provisions.

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been unmade.
3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

Article - 8: LEGAL AND PRIOR RIGHTS.

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Pact.

IN WITNESS WHEREOF the parties have signed and executed this Pact at the place and date first above mentioned in the presence of following witnesses:

.....
 (For and on behalf of Principal/Owner) (For and on behalf of Bidder/Contractor)

WITNESSES:

1. 2.
 (Signature, Name and address) (Signature, Name and address)

Place :

Dated :



PROFORMA OF SCHEDULES

SCHEDULE 'E'

(Reference to General conditions of Contract.)

Name of Work : **"Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar."**

Estimated Cost of Work: Rs 21,75,898.00/- (Rupees Twenty-one lakhs seventy-five thousand eighty hundred ninety-eight only)/-

(a)	Earnest Money	=	43518.00/-
(b)	Performance Guarantee	=	<u>03% of Tendered Value</u>
(c)	Security Deposit	=	<u>2.5% of Tendered Value</u>

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer Inviting Tender: - Executive Engineer (Elect.), AIIMS, Bhubaneswar

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined: -

In accordance with Clause -12.2 = 50%
&12.3

Definitions

See below

2 (v)	Engineer-in-Charge	Superintending Engineering AIIMS, Bhubaneswar
2(viii)	Accepting Authority	Director AIIMS, Bhubaneswar
2(x)	Percentage on cost of materials and labor to cover all over heads and profit	15%
2(xi)	Standard Schedule of Rates	Central Public Works Department Schedule of Rates - 2018 at Delhi with up to date correction slips
9(ii)	Standard AIIMS Contract Form	GCC for CPWD Works - 2020 as amended and up to and including correction slip
(i)	Time allowed for submission of Performance guarantee; Program Chart (Time & Progress) and applicable Labor Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	07 Days

- (ii) Maximum allowable Extension with late fee @ 0.1% of : 01 to 15 days.
Performance guarantee amount beyond the period
provided in (i) above.

Clause – 2.

Authority for fixing compensation under Clause 2 : Director, AIIMS, Bhubaneswar

Clause – 2A.

Whether Clause 2A shall be applicable : No

Clause – 5.

Time allowed for execution of work : Sixty (60 Days) (After
Issue of Work Order).

Time of start of work: Within Seven days after issue of
workorder.

Number of days from the date of issue of letter of acceptance for : **07 Days**
reckoning date of start

Authority to decide fair & reasonable extension of time : **Superintending Engineer, AIIMS,**
for completion of work **Bhubaneswar**

Clause – 6A.

Whether Clause 6A shall be applicable : No.

Clause – 7A.

Whether clause 7A shall be applicable : YES.

Clause – 10B(ii).

Whether Clause 10B(ii) shall be applicable : No.

Clause – 10C. : Not applicable.

Clause – 10CA. : Not applicable.

Clause – 16.

Competent Authority for deciding reduced rates : **Superintending Engineer**
AIIMS, Bhubaneswar

Clause – 25.

Settlement of dispute & Arbitration : **Director, AIIMS, Bhubaneswar**

Clause – 36(i). Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table :-

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
							(Figures)	(Words)
For Agreement amount upto Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Elect.	Principal Technical representative	02 years for Graduate Engineer/ 05 years for Diploma Engineer	1	Rs 15000.00/-	Rs. Fifteen Thousand only

Financial Bid (Schedule Of Quantities)

NIT NO.: AIIMS/BBSR/ENGG. /ELECT. /69/RE/2022

Name of the work :- "Supply, Installation, Testing and Commissioning of Active Component for Intercom and LAN system of New Constructed Burn Unit building at Hospital Complex, AIIMS, Bhubaneswar".

BOQ No.	Nomenclature	Unit	Qty.	Rate	Amount
1.0	SITC of IP Gateway card for (Siemens Hi-path 4000) EPABX System including License : IP Gateway STMI4 Card; Model (Name/Number) - S30810-Q2324-X500 ; Brand : UNIFY ;Supportive Speed - UNIFY, 1000 Mbps, 100 Mbps ; Number Of Ports - 60 CHANNELS ; Operational Temperature <= 40 ; Ports -2.	Nos	1		
2.0	SITC of IP Handset: supports RFC 3261, 3262, 3263, 3264 ; 4 Line LCD display (128X64 Pixels) ; Dedicated function keys ; Freely programmable keys ;In-built 2 port mini switch ; HD Voice quality ; Phonebook; fullduplex speakerphone, noise-cancellation feature, integrated PoE, auto provisioning, and other features that are extremely useful for corporate office and management personnel's. Its standard Native SIP protocol supporting feature eases to work with any IP-PBX working with native SIP,VPN, VLAN; NAT Transverse: Support STUN Client; LDAP Support ;802.1 x Authentication Support; SNTP Time Synchronization; Supports DHCP, DNS, SNTP, SNMPV2 ;PoE Support (IEEE802.3af);Web Based Management; Echo Cancellation ;Voice Activity Detection; Adaptive Jitter Buffer Management; Comfort Noise Generation ; Customized Ringtones ; Speed Dial (min 10 records) ; Call Logs (min 100 records); Phonebook (min 100 entries) ; 2 Lines Supported (SIP accounts) ; Supported Codecs: G.711, G.722, G.723.1, G.726, G.729AB, iLBC ; Extension Dialling, Message Wait Indication, Do Not Disturb, Call Forwarding, Call Pickup,Call-Back,3 Party Conference, Call Transfer Blind/Supervised, Call Toggle , Call Hold ,Call Waiting ,Caller Party Name and Number Display , DTMF Dialling ,Direct Inward Dialling and Direct Outward Dialling ,On hook Dialling or better.	Nos	42		
3.0	Supply of UTP patch cord 5 Meter :- 4 Pair 24AWG stranded copper wire with ROHS Compliant.; Boots: Transparent Plug with anti-snag slip on boots.; RJ45 Plug Standard : ISO/IEC 60606-7-4 and FCC 47 Part 68.; Sheath Standards : Fire Propagation compliant with CSA FTI, IEC 60332-1, IEC 61034 ; Separator : Cross / Star Spine to separate 4Pairs Patch Cords.; Standards : ETL Certified with ANSI/TIA-568-C.2, ISO/IEC 11801 Category ; Operating Temperature : -20 Degrees to +60 Degrees .	Nos	42		
4.0	Supply of 24 port L2 Managed Switch	Nos	9		
5.0	Supply of SFP Modules (SM)(1GBASE-LR SFP+ transceiver module)	Nos	2		
6.0	Supply of SFP Modules (MM)	Nos	10		
7.0	Supply of LIU (Fully loaded) 12 Port	Nos	6		
8.0	Supply of CAT 6 UTP Patch Cord 1 mtr	Nos	150		

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(Signature of the Bidder with Seal)

9.0	Supply of CAT 6 UTP Patch Cord 3 mtr	Nos	150		
10.0	Supply of 24 Port patch panel	Nos	4		
11.0	Supply of SM OFC 12 Core Outdoor Armour Cable	mtr	1500		
12.0	Supply and laying of HDPE Pipe 25mm	mtr	1500		
13.0	Supply of OFC SC-LC Patch Cord (Single Mode)	Nos	4		
14.0	Installation of 24 Port Patch Panel	Nos	4		
15.0	Installation & Configuration of Switches	Nos	9		
16.0	Laying of OFC cable with Proper & end to end conducting	mtr	1500		
17.0	Installation of 12 port LIU	mtr	6		
18.0	M M OFC Spicing	core	72		
	Total Amount (Including of GST)				

(Rupees _____ only)

Note:-

- MR = To be read as Market Rate.**
- The Bidder must submit Financial Bid in On-Line Mode.
- I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
- No other charges would be payable by the Institute
- Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
- Contractor has to bring samples as per above preferred brands only and Engineer-In-Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.
- In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for other make.

Name : _____

Business Address : _____

Date : _____

Place : Bhubaneswar

Signature of the Bidder :-

Seal of the Bidder _____

Signature of Bidder with Stamp

E-TENDERING INSTRUCTIONS TO BIDDERS

General.

The Special Instructions (for e-Tendering) supplement 'Instruction to Bidders', as given in this Tender Document. Submission of Online Bids is mandatory for this Tender. E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Suppliers / Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, AIIMS BHUBANESWAR has decided to use the portal [www.tenderwizard.com /AIIMSBBSR](http://www.tenderwizard.com/AIIMSBBSR) through an ASP, M/s. ITI Ltd., Bhubaneswar.

Instructions.

1. **Tender Bidding Methodology.** Two Stage Online Bidding.
2. **Broad outline of activities from Bidders prospective:**
 - (a) Procure a Class III Digital Signature Certificate (DSC).
 - (b) Register on the e-Procurement portal www.tenderwizard.com/AIIMSBBSR.
 - (c) Create Users on the above portal.
 - (d) View Notice Inviting Tender (NIT) on the above portal.
 - (e) Download Official Copy of Tender Documents from the above portal.
 - (f) Seek Clarification to Tender Documents on the above portal. View response to queries of bidders, posted as addendum, by AIIMS, Bhubaneswar.
 - (g) Bid-Submission on the above portal.
 - (h) Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Technical Part.
 - (j) Post-TOE Clarification on the above portal (Optional) – Respond to AIIMS, Bhubaneswar's Post-TOE queries.
 - (k) Attend Public Online Tender Opening Event (TOE) on the above portal - Opening of Financial Part (Only for Technical Responsive Bidders).

For participating in this tender online, the following instructions are to be read carefully. These instructions are supplemented with more detailed guidelines on the relevant screens of the above portal.

3. **Digital Certificates.** For integrity of data and authenticity / non-repudiation of electronic records, and to be compliant with IT Act 2000, it is necessary for each user to have a Digital Certificate (DC), also referred to as Digital Signature Certificate (DSC), of Class III, issued by a Certifying Authority (CA) licensed by Controller of Certifying Authorities (CCA) [refer <http://www.cca.gov.in>].

4. **Registration.** To use the Electronic Tender portal www.tenderwizard.com/AIIMSBBSR, vendors need to register on the portal. Registration of each organization is to be done by one of its senior persons vis-à-vis Authorized Signatory who will be the main person coordinating for the e-tendering activities. In the above portal terminology, this person will be referred to as the Super User

(SU) of that organization. For further details, please visit the website/portal, and follow further instructions as given on the site. Pay Annual Registration Fee as applicable. (Rs 2000 + GST as applicable)

Note. : After successful submission of Registration details and Annual Registration Fee, please contact to the Help desk of the portal to get your registration accepted/activated.

(a) The Bidder must ensure that after following above, the status of bid submission must become – “Submitted”.

(b) Please take due care while scanning the documents so that the size of documents to be uploaded remains minimum. If required, documents may be scanned at lower resolutions say at 150 dpi. However, it shall be sole responsibility of bidder that the uploaded documents remain legible.

(c) It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before starting online submission.

(d) The Financial part/BOQ may be downloaded and rates may be filled appropriately. This file may also be saved in a folder on your computer. Please don't change the file names & total size of documents (Preferably below 5 MB per document) may be checked.

5. Bid submission. The entire bid-submission would be online on the Tender wizard portal i.e. <https://www.tenderwizard.com> /AIIMS, Bhubaneswar.

6. Broad outline of submissions are as follows: -

- (a) Submission of Bid Parts (Technical & Financial).
- (b) Submission of Earnest Money Deposit.
- (c) Submission of signed copy of Tender Documents/Addendums.

The TECHNICAL PART shall consist of Electronic Form of Technical Main Bid and Bid Annexure. Scanned/Electronic copies of the various documents to be submitted under the Eligibility Conditions, offline submissions, instructions to bidders and documents required to establish compliance to Technical Specifications and Other Terms & Conditions of the tender are to be uploaded.

The FINANCIAL PART shall consist of Electronic Form of Financial Main Bid and Financial Bid Annexure, if any. Scanned copy of duly filled price schedule (Section VII) for both packages are to be uploaded. If required, additional documents in support of taxes, quoted duties etc may also be uploaded.

7. Tender Processing Fee. You pay processing fee (0.1% of ECV + GST as applicable (Min. 750/- & Max 7500/- + GST as applicable) through online (Credit card/ Debit card/ Net Banking), when participating in the e-tender.

8. Public Online Tender Opening Event (TOE). The e-Procurement portal offers a unique facility for 'Public Online Tender Opening Event (TOE). Tender Opening Officers as well as authorized representatives of bidders can attend the Public Online Tender Opening Event (TOE) from the comfort of their offices. For this purpose, representatives of bidders (i.e. Supplier organization) duly authorized. Every legal requirement for a transparent and secure 'Public Online Tender Opening Event (TOE)' has been implemented on the portal. As soon as a Bid is decrypted, the salient points of the Bids are simultaneously made available for downloading by all participating bidders. The medium of taking notes during a manual 'Tender Opening Event' is therefore replaced with this superior and convenient form of 'Public Online Tender Opening Event (TOE)'. The portal a unique facility of 'Online Comparison Statement' which is dynamically updated as each online bid is opened. The format of the Statement is based on inputs provided by the Buyer for each Tender. The information in the Comparison Statement is based on the data submitted by the Bidders. A detailed Technical and / or Financial Comparison Statement enhance

Transparency. Detailed instructions are given on relevant screens. The portal has a unique facility of a detailed report titled 'Online Tender Opening Event (TOE)' covering all important activities of 'Online Tender Opening Event (TOE)'. This is available to all participating bidders for 'Viewing/Downloading'. There are many more facilities and features on the portal. For a particular tender, the screens viewed by a Supplier will depend upon the options selected by the concerned Buyer.

Important Note. In case of internet related problem at a bidder's end, especially during 'critical events' such as – a short period before bid-submission deadline, during online public tender opening event it is the bidder's responsibility to have backup internet connections. In case there is a problem at the e-procurement / e-auction service-provider's end (in the server, leased line, etc) due to which all the bidders face a problem during critical events, and this is brought to the notice of AIIMS, BBSR by the bidders in time, then AIIMS, Bhubaneswar will promptly reschedule the affected event(s).

9. Other Instructions. For further instructions, the vendor should visit the home-page of the portal. The complete help manual is available in the portal for Users intending to Register / First-Time Users, Logged-in users of Supplier organizations. Various links are also provided in the home page.

Important Note. : It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups and minimize teething problems during the use of the said portal.

The following 'FOUR KEY INSTRUCTIONS for BIDDERS' must be assiduously adhered to:-

1. Obtain individual Digital Signature Certificate (DSC) well in advance of your first tender submission deadline on the portal.
2. Register your organization on the portal well in advance of your first tender submission deadline on the portal
3. Get your organization's concerned executives trained on the portal well in advance of your first tender submission deadline on the portal
4. Submit your bids well in advance of tender submission deadline on the portal (There could be last minute problems due to internet timeout, breakdown etc).

While the first three instructions mentioned above are especially relevant to first-time users on the portal, the fourth instruction is relevant at all times. Minimum Requirements at Bidders end Computer System with good configuration (Min P IV, 1 GB RAM, Windows XP) Broadband connectivity. Microsoft Internet Explorer 8.0 or above. Digital Certificate(s) Vendors Training Program Necessary training to each and every registered bidder under this portal shall be impacted by the ASP, M/s. ITI, Bhubaneswar, if required, before participation in the online tendering.

For any further assistance, please contact Mr. Swadesh Bal (07008064095/ 07377708585), Helpdesk-011-49424365 ITI email ID for mailing communication: - twhelpdesk404@gmail.com/ twhelpdesk680@gmail.com/ twhelpdesk605@gmail.com.