

Notice Inviting e-Tender

For

Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.



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

NIT No. : **AIIMS/BBSR/ENGG./ELECT./73/2025**

Estimated Cost : **Rs. 1,21,95,711.00**

EMD : **2% of Estimated Cost**

Types of Work : **Electrical Maintenance Work**

Issue Date : **10/10/2025**

Last date of bid : **01/11/2025 at 18.00 hours.**
submission

Contract period : **12 months**

“Certified that, this tender document contains 78 pages only”.

Executive Engineer, Elect.
AIIMS, Bhubaneswar

Project Cell, AIIMS, Bhubaneswar

Name of Work	:	Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.	
NIT No.	:	<u>AIIMS/BBSR/ENGG./ELECT./73 /2025</u>	
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NOTICE INVITING e-TENDER

The Executive Engineer, (Electrical), AIIMS, Bhubaneswar (Phone: 0674 – 2476083, email- eeel@aiimsbhubaneswar.edu.in) on behalf of Executive Director, AIIMS, Bhubaneswar invites online Percentage rate tender in TWO (02) Bid system (Technical cum Eligibility & Financial respectively) from reputed contractor having successfully completed works of similar nature as per eligibility criteria for the following work:-

Name of Work	Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.
Tender No.	AIIMS/BBSR/ENGG./ELECT./73 /2025
Estimated Cost put to Tender	Rs. 1,21,95,711.00 (Rupees One Crore Twenty-One Lakh Ninety-Five Thousand Seven Hundred Eleven only (including GST))
EMD	2 % estimated cost
Types of Work	Electrical Maintenance Work
Contract Period	12 Months
Last Date, Time & Place of Submission	By 01/11/2025 at 18:00 Hours through online in www.eprocure.gov.in
Date, Time for opening of Tender	On 03/11 /2025 at 12:00 Hours.

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 <https://eprocure.gov.in/eprocure/app> or www.aiimsbhubaneswar.nic.in free of cost.

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.

For e-Tendering of this Tender, kindly visit website <https://eprocure.gov.in/eprocure/app>.

E-Tendering Portal: <https://eprocure.gov.in/eprocure/app>

For E-tendering Queries contact CPPP Help Desk.

The intending bidders must have valid class-III digital signature to submit the bid.

Further modification of change of dates, if any, can be seen in the above stated tender web site.

Executive Engineer (Elect)
AIIMS, Bhubaneswar

INFORMATION AND INSTRUCTIONS FOR BIDDERS

The Executive Engineer, (Electrical), AIIMS, Bhubaneswar (Phone: 0674 – 2476083, email-eeel@aiimsbhubaneswar.edu.in) on behalf of Executive Director, AIIMS, Bhubaneswar invites online Percentage rate tender in TWO (02) Bid system (Technical cum Eligibility & Financial respectively) from eligible contractors of CPWD, MES, AIIMS, central Govt., State Govt., Central PSU, State PSU or any other contractors having successfully completed works of similar nature as per eligibility criteria having Valid Electrical license from Electrical Licensing board of Odisha , ELBO (MV or above).for the following work:-.

Ser. No.	Description	Details
(a)	Name of Work:	Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.
(b)	NIT No.	AIIMS/BBSR/ENGG./ELECT./73/2025
(c)	Location	AIIMS Bhubaneswar
(d)	Estimated Cost	Rs. 1,21,95,711.00 (Rupees One Crore Twenty-One Lakh Ninety-Five Thousand Seven Hundred Eleven only (including GST))
(e)	Earnest Money	2% of Estimated Cost
(f)	Period of Completion	01 (One) Year & Extendable up to further 01 (One) year with Mutual Consent.
(g)	Performance Guarantee	@ 5% of Contract Value
(h)	Last date and time of online submission of tender	By 01/11/2025 at 18.00 Hours through online.
(i)	Time and date of on line opening of Tender (Technical Bid)	On 03/11/2025 at 12.00 Hours.
(j)	Time and date of opening of Online Financial Bids	will be informed to the Technically qualified Bidders
(k)	Submission of Hard copies of EMD (in Original)	The original EMD should be deposited in the office of Executive Engineer (Electrical) within the period of bid submission along with a copy. Scanned copy of EMD also be uploaded to the e tendering website by the intending bidder up to the specified bid submission date and time.
(l)	Mode of submission of Tender	Online.

1. 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.
2. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
3. 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 <https://eprocure.gov.in/eprocure/app> or www.aiimsbhubaneswar.nic.in free of cost.
4. The intending bidders must have valid class-III digital signature to submit the bid.
5. The e-tender Processing Fee for submission of bid shall be as per the guidelines of CPP portal.
6. 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.

7. Contractor must ensure to quote the percentage rate in Performa of quoting rates. 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). However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section /sub head in percentage rate tender or each item in item rate tender, the tenderer shall be treated as invalid and will not be considered as lowest tenderer.
8. GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labour welfare cess, water charges (if applicable), electricity charges (if applicable) and the same shall be recovered from the contractors' bills and will be remitted by the department.
9. Tenders with any condition including that of conditional rebates shall be rejected. Such tenders shall not be considered at the time of opening of tender.
10. 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 any number of times (he need not re-enter rate) but before last time and date of submission of bid as notified.
11. The contractor submitting the bid should read the schedule of quantities, Special conditions, additional conditions, particular specifications and other terms and conditions given in the NIT and drawings. The bidder should also read the General Conditions of Contract for CPWD Works 2020 with all correction slips issued up to the last date for submission of bid, which is available as Government of India Publication. However, provisions included in the bid document shall prevail over the provisions contained in the standard form. The set of drawings and NIT will be available with the **Executive Engineer (Electrical), AIIMS Bhubaneswar**. The contractor should also visit the site of work and acquaint himself with the site conditions before tendering. The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while filling the tender. They are requested to comply with the following instructions.
12. Financial bids shall be opened online only for bidders for whom EMD 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. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
13. Contractor shall not divert any advance payments or part thereof for any other purpose other than needed for completion of the contracted work. All advance payments received as per terms of the contract (i.e. mobilization, secured against materials brought at site, secured against plant & machinery and / or for work done during interim stages, etc.) are required to be re-invested in the contracted work to ensure advance availability of resources in terms of materials, labour, plant & machinery needed for required pace of progress for timely completion of work.
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 Any dispute arising out of this tender including dispute related to encashment of any Bank Guarantee/ FDR etc., shall be subject to the jurisdiction of courts at Bhubaneswar only.

- 14.4 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-
- (i) If any information furnished by the applicant is found to be incorrect at a later stage. 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.
 - (iv) If a tenderer does not quote any percentage above/ below on the total amount of the tender. The bid will not be considered as lowest.

15. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -

- (a) Demand Draft/ FDR/ Bank guarantee (as prescribed) of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.
- (b) Appendix 'A to C' duly filled in (Pages 11 & 12 ref.) and signed with stamp.
- (c) Proof of Work Experience (Work Completion Certificate and Work order with BOQ) of Similar Works from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 7 refer under Eligibility Criteria with work order copy.
- (d) Certificate of Registration for GST and acknowledgement of up to date filed return.
- (e) Annual turnover of last 3 years duly attested by CA. Further details if required may be asked to the contractor after opening of technical bid. There is no need to upload entire voluminous balance sheet.
- (f) Copies of Contractor's Valid Electrical license from Electrical Licensing board of Odisha , ELBO (MV or above).Contractors having electrical license from outside Odisha should endorse their license from ELBO and submit the same before awarding work order as per the schedule. Falling which their bid will be cancelled.
- (g) Copies of ESI & EPF Registration Certificate.
- (h) Affidavit (in prescribe format)
- (i) Declarations to be given by the Tenderers (as per Page 13.)
- (j) 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 to EE, Elect.
- (k) Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.
- (l) Percentage rate tender & Contract for work undertaking (in prescribed format)

Note: The Postal address of Executive Engineer (Electrical), AIIMS Bhubaneswar may be noted as below for correspondence and submission of Physical documents.

**O/o THE EXECUTIVE ENGINEER (ELECTRICAL)
ROOM NO-336, ACADEMIC BUILDING
AIIMS, BHUBANESWAR,
SIJUA, DUMDUMA, BHUBANESWAR,751019.**

A. GENERAL RULE & DIRECTION OF CONTRACT

The Executive Engineer, (Electrical), AIIMS, Bhubaneswar (Phone: 0674 – 2476083, email-eeel@aiimsbhubaneswar.edu.in) on behalf of Executive Director, AIIMS, Bhubaneswar invites online Percentage rate tender in TWO (02) Bid system (Technical cum Eligibility & Financial respectively) from reputed contractor having successfully completed works of similar nature as per eligibility criteria for the following work:-

1. **Name of Work:** Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.
2. The work is estimated to cost of **Rs. 1,21,95,711.00 (Rupees One Crore Twenty-One Lakh Ninety-Five Thousand Seven Hundred Eleven only (including GST))** 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, **“Annual Electrical Maintenance work of buildings/offices/hospitals/banks etc. with manpower and Electrical material supply.”**
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%** of estimated cost (i.e. for **Rs. 48,78,284.00/-**) put to tender
OR
Two (02) similar works each of value **not less than 60%** of estimated cost (i.e. for **Rs. 73,17,427.00/-**) put to tender
OR
one (01) similar work of value **not less than 80%** of estimated cost (i.e. for **Rs 97,56,569.00/-**) put to tender in **last 07 (Seven) Years** ending last date of tender submission.
 - (b) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body, Govt. Hospitals.
 - (c) The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation.**
 - (d) The bidder should have valid Electrical Contractor License (MV or above).
 - (e) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.
 - (f) **Average annual financial turnover during the last three years, ending 31st march 2024 should be more than 30% of the estimated cost.**
 - (g) The period of the contract will be One (01) year from the Date of Start which shall be reckoned from 7th day of issue of work order or from the First Date of Handing Over of the Site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents. The tender is initially for a period of **one year (12 months) and may be extended further for a period of 12 Months with mutual consent, on the same Terms and Conditions and BOQ Rates** based on the performance of the vendor.
5. **Preparation & Submission of Tender through Online.** The Tender should be submitted in one part i.e. **Technical Bid and Financial Bid at one part.** The Technical Bid and financial bid should be sent by the Bidder through online for **“Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.**
6. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **2% of Estimated Cost** by way of Demand Drafts / FDR/ Bank Guarantee (Drawn in favor

of AIIMS, Bhubaneswar). **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.

EMD Exemption is not allowed for this work .

7. **Performance Guarantee.** The successful contractor will be required to furnish a Performance guarantee of **05% (Five Percent)** of Contract Value after receiving notification of award (LoA) in the form of Fixed Deposit Receipt or Bank Guarantee from any Scheduled Bank of India duly **pledged in the name of "All India Institute of Medical Sciences, Bhubaneswar"** which shall be kept valid up to the stipulated date of completion of all the contractual obligations plus minimum 180 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest. If the contractor fails to carry the contract or leave the site before completion of site, then the entire amount of performance guarantee will be forfeit.
The Performance Guarantee will be discharged after completion of contractor's performance obligations (including Warranty/ Guarantee period) under the contract, against the security deposit, after completion of the work. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
8. 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.
10. The Executive 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.
11. 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.
12. The Competent Authority, the Executive 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. Some of the items in schedule of quantities may be executed partially or may not be executed at all depending upon the site requirement which will be decided by the engineer-in-charge.
13. 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 Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette 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.
14. No engineer of gazette rank or other gazette 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 aforesaid, before submission of the bid or engagement in the contractor's service.
15. The bid for the works shall remain open for acceptance for a period of 90 days from the date of opening of bids.
 16. 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 start the work within 15 days from the stipulated date and 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 thereof together with any correspondence leading there to.
 17. **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, duties 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.
 - (e) The contractor(s) must submit GST challan copy in original duly signed with stamp of firm, against this work before releasing Security Deposit (SD) money.
 18. The Bidder shall be solely responsible for compliance to the provisions of various Labour 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 Bidder shall also be responsible for the insurance of its personnel. The Bidder 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 & abolition) Act, 1970/ The Contract Labour (Regulation & abolition) Central Rules, 1971.
 - (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.

19. **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.
20. **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. The decision of Engineer-in-Charge in this regard would be final and binding on the Tenderer.
21. **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.
22. **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 Executive 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.

Executive Engineer (Elect.)
AIIMS Bhubaneswar

Appendix - A**FORM FOR FINANCIAL INFORMATION**

(Financial Analyses)

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	2021-22	2022-23	2023-24

Note: Gross Annual Turn Over only.

Appendix - B**FORM FOR DETAILS OF ALL WORKS OF SIMILAR CLASS****COMPLETED DURING THE LAST 07 (SEVEN) YEARS**

(i.e. FOR THE YEAR ENDING LAST DATE OF TENDER SUBMISSION)

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)	(j)	(k)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

- Agency must fill the above details (Attach Separate Sheets if Required.)

(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 Bank Draft/Pay Order/ Banker's Cheque of Earnest Money Deposit (EMD).	:
Whether the Firm/Agency as signed each and every page of Tender/NIT	:
EPF No. (Enclose the attested copy of EPF Registration Certificate)	:
ESI Code.	:
Any other information, if necessary.	:

(Authorized Signature of the Bidder with Seal)

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that: -

(a) I /We have gone through GCC of CPWD amended up to the latest correction as available on website [https:// https://cpwd.gov.in/](https://cpwd.gov.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 Bhubaneswar, Engineering Deptt, Odisha. In case at any stage, it is found that the information given by me is false/incorrect, AIIMS, Bhubaneswar 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 Executive 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 EMD".

Date: _____

Signature of the Tenderer

(d) In case I/we become the Lowest Bidder, Original Instrument for EMD and self certified copies of other Eligibility Documents shall be deposited by me/us with the Superintending Engineer calling the Tender within 01 (One) Week of the opening of financial bid otherwise AIIMS shall reject the bid and also take action to debar me/us from tendering in AIIMS Bhubaneswar.

Date: _____

Signature of the Tenderer

BIDDERS UNDERTAKING**Percentage Rate Tender & Contract for Works***(To be submitted on Rs 10/- stamp paper with notarized)*

Tender for the work of “Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.”

(i) To be uploaded byhours onto

(b) To be opened in presence of tenderers who may be present at hours on in the office of

TENDER

I/ We have read and examined the notice inviting tender, all schedule 'A' to 'F' 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.

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

I/We agree to keep the tender open for ...days from the due date of its opening in case of TWO (02) Bid system (Technical cum Eligibility & Financial respectively) from the date of opening of technical bid in case tenders are invited on 2 /3 bid/ system for specialized work and not to make any modification in its terms and conditions.

A sum of **Rs. -----/-** (Rupees -----only) is here by forwarded in Bank Guarantee of scheduled Bank/ Demand Draft of a scheduled Bank/ Bank Guarantee issued by a scheduled Bank **as Earnest Money**. If I/ We, fail to furnish the prescribed Performance Guarantee within prescribed period. I/ We agree that the said Executive Director, AIIMS, Bhubaneswar or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Further, if I/ We fail to commence work as specified, I/ We agree that Executive 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 Earnest Money & Performance Guarantee as aforesaid. I/ We shall be debarred for participation in the retendering 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 Earnest Money Deposit/ Performance Guarantee.

I/ We hereby declare that I/ We shall treat the tender documents drawings and other records connected with the work as secret/ confidential documents and shall not communicate information/ derived 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: *

Occupation: *

AFFIDAVIT

(To be submitted on Rs. 10/- Indian Non-Judicial Stamp Paper & must be notarized)

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 Earnest Money Deposit/Performance Guarantee".

Business Address: -

Name:

(Signature of Bidder with Firm's Seal)

Place: _____

Dated: _____

Technical Bid (Eligibility Criteria)

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

Sl. No.	Details/ Particulars	Uploaded (Yes/No)	Page No.
(A)	Demand Draft/ FDR of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.		
(B)	Appendix 'A to C' duly filled in and signed with stamp (Pages 11& 12ref.)		
(C)	Proof of Work Experience (Work Completion Certificate and Work order with BOQ) of Similar Works from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 7 refer under Eligibility Criteria with work order copy		
(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 & Profit loss statement (Last 3 years)		
(G)	Copy of Affidavit.		
(H)	Copies of ESI Registration		
(I)	Copies of EPF Registration.		
(J)	Copy of IT Returns (last 3 years)		
(K)	Declarations to be given by the Tenderer(s)		
(L)	Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid		
(M)	Copies of Contractor's Valid Electrical License (MV or above).		
(N)	Copy of valid MSME firms registered in NSIC Under PP policy for exempted payment of EMD		
(O)	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. Undertaking need to submit in this regards.		

B CONDITIONS FOR ANNUAL MAINTENANCE CONTRACT

1. Name of the work: “ **Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.**”
2. Prices quoted should be valid for the contract period from the date of opening of your offer. The prices quoted should be for the entire scope of work.
3. **Rates-** The prices quoted shall be inclusive of GST, PF, ESI, salary paid to manpower, amount paid to any statutory authorities by the contractor shall be reimbursed on actual basis throughout the contract period on submission of the documentary evidence in next bill or after the final bill. GST shall be reimbursed on actual basis on submission of the documentary evidence.
4. **PF & ESIC Contribution: -**
 - (i) The contractor shall have to register with PF & ESIC (where ever applicable) for workmen engaged for the work. Challans / deposit receipts of PF ESI contribution shall be submitted in EIC office within 10th of each month for verification/reimbursement.
 - (ii) The PF dues (including EDLI and administrative charges) in respect of workers engaged by the contractor for AIIMS works to be deposited by the contractor every month by a challan and the documentary evidence in support of such payments along-with employee wise details of the PF contribution (both employee's share and the employer's contribution) need to be submitted to the Engineer in Charge for the work/ contract within 10th of each month.
5. **Terms of Payment: -**

5.1 Running bill Payment:

The Running payments for the work done shall be released **Monthly/Quarterly** by AIIMS, Bhubaneswar only after salary payments, epf & esi to all workers & submitting the proof of bank statement and deducting the applicable taxes. The **Security Deposit @2.5% of gross amount** shall be deducted from the running bills, which shall be released after one month after the date of completion of work and final bill payment, without any interest thereupon. The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department. Labour CESS @ 01% will be deducted from the Bill.

The Following documents as applicable shall be produced and self-attested photo copy shall be submitted by the contractor during each running bills:

- (i) Monthly Challans of EPF and ESI deposits up to previous month.
- (ii) Wages register signed by workers of each month.
- (iii) Log Books & attendance register.
- (iv) Bank Account details/ e-payment details of the vendor.
- (v) Warranty/Guarantee Certificate.
- (vi) Colour Photos for Executed work on glossary paper
- (vii) Copies of User certified material used list of all complaints
- (viii) GST return up to date Voucher
- (ix) Bank statements against salary credit of Manpower deployed.
- (x) No claim certificate (final Bill)
- (xi) Work completion declaration (final bill)

5.2 Final bill Payment:

The agency shall submit final bill along with all the documents related with PF, ESIC, salary paid to manpower, etc. to AIIMS, Bhubaneswar in addition to all maintenance schedule registers, documents etc. related to the work. The agency also formally handover the list of equipments in good working condition, without any damage as handed over to them by AIIMS, Bhubaneswar.

5.3 Labour Wages:

- (i) The contractor has to pay the prevailing minimum wages issued by the office of Chief Labour Commissioner, Govt. of India from time to time. **(Contractor need to quote rate accordingly)**

- a. Minimum Wages + VDA
- b. ESI – Employer Contribution @ 3.25% of above (Subject to wage limit of Rs 21,000/-)
- c. EPF – Employer Contribution @ 12% + 1% (12 % Subject to wage limit Rs 15,000/-)
- (ii) **The payment to the workmen's engaged by the contractor is to be paid through NEFT/RTGS/Cheque on or before 7th of every month irrespective of Saturday, Sunday and bank holidays and. The salary transaction statements for the same should be submitted with the RA bill (The minimum wages paid must be reflected on the salary statements of each manpower).**
- (iii) **Failing of salary paid before 7th of each month, a fine of Rs 100/- per day per manpower will be imposed to the contractor.** If any violation with respect to payment of wages for any three months in a contract period, then necessary action for cancellation of contract/ debarring of the agency for participating in future contracts in AIIMS, Bhubaneswar shall be initiated. The agency will not be allowed to participate in any of the tendering process in AIIMS, Bhubaneswar for further one year.
- (iv) The contractor shall not pay the wages less than what is legally admissible to be paid to the manpower employed by the contractor as per rate as admissible under the law. Any violation in this regard will result into the forfeiture of the performance security in addition to severance of this contract.

6. Penalty Clause:

- a) In case of any failure or delay in services, a penalty shall be imposed as per Clause-2 of the General Conditions of Contract (GCC) of CPWD Works-2020, based on the schedule of services.
- b) If the vendor fails to supply the material or provide maintenance services as per the requisition within 48 hours **₹1,000/- per day** shall be deducted from the agency's bill.
- c) The agency must repair defective fan within 4 days after receiving the complaint. Failing this, **Rs. 100/** per day per fan shall be deducted from the RA bill.
- d) The agency must resolve all Normal complaints within 48 hours. If a task requires more time, prior written permission must be obtained from the AE/JE. Failing this, **₹100/- per day per complaint** shall be deducted from the RA bill.
- e) **The agency shall ensure that all required wiring materials are available at the site for the wiring work. If any complaint is received regarding the wiring ,the vendor needs to comply minimum 70% complaints registered in each day and another 30% within 48 Hours, failing which a lumpsum penalty amount of Rs 100/- per day per complaint will be deducted from the Agency's bill. If any complaint required more than 48 Hours, then the Vendor must take the approval of time period from the Engineer-In-Charge or His representative.**
- f) The agency must maintain attendance records of all staff. In case of any staff absence, a penalty **of ₹1000/-** per day per person shall be deducted from the RA bill.
- g) Monthly wages of employees must be credited to their respective bank accounts within the first week of every month, i.e., by the 7th of each month. A copy of the bank statement must be submitted to the office of the Engineer-in-Charge (EIC) along with the RA bill. Failing this, a penalty of **₹100/- per day per manpower** shall be deducted from the contractor's RA bill.
- h) The agency must keep all installations and surrounding areas clean and tidy. Waste materials shall not be discarded near buildings and must be disposed of in designated dustbins. If the area is found untidy or inadequately lit, a lump sum penalty of **₹1,000/- per day** shall be deducted from the agency's bill.
- i) All tools & equipment **(as per Annexure – C)** shall be kept ready at site within 15 days from the date of award, failing this, a penalty of **₹1,000/- per day** shall be imposed by AIIMS, Bhubaneswar.
- j) All melba/rubbish/waste, garbage etc generated due to any operation and maintenance work, the same shall be disposed off by the contractor to the authorized municipal dumping ground and nothing extra shall paid on this account. In case of non-removal/disposal in the specified period, a compensation of **Rs 1000/- (Rupee One Thousand only)** per day shall be recovered from the contractor.
- k) **Uniform:** -The contractor/agency has to provide every year during the start of the contract, 02 sets of uniform (readymade uniform / cloth and stitching charges), ID card, 1 pair of safety shoes to his staff of approved colour during the contract period, (within one month from the date of

award) failing which, AIIMS, Bhubaneswar shall recover an amount of **Rs 500/ per day** till the compliance of the same from the contractor's running bill.

- l) **All specified registers, Computer (Wi-Fi networking system), Printer (All-in-one lesser printer), High speed internet, Android phone with incoming and outgoing facility during contract period, furniture etc must be made available at the site before taking over. Failing this, a penalty of ₹1,000/- per day shall be imposed by AIIMS, Bhubaneswar, counted from the date of commencement of work.**

(No extra will be paid for this, so contractor need to quote rate accordingly)

7. Transport

- 7.1 The transport required within the complex for carrying items inside the AIIMS complex for repairing work etc. shall be arranged by the contractor. The contractor may however seek the help of department to take permission to take heavy items for repair outside the AIIMS, Bhubaneswar complex if considered necessary.
- 7.2 Contractor's materials, transport, etc. shall normally be permitted to go out of the area between 9.00hrs.to 18.00hrs only. Contractor may also be allowed to carry out the work beyond office hours (day and night) with special permission from the EIC. However, no movement of materials and transport out of site works shall be permitted during night or during holidays unless special permission obtained from the EIC.

8. Antecedents

The contractor shall employ only Indian Nationals as his representatives, servants, work men and verify their antecedents and loyalty before employing them on the works. He shall ensure that no person of notorious antecedents and nationality is in anyway associated with the works and if for reasons of technical collaboration or other consideration, the employment of any foreign national is unavoidable, the contractor shall furnish full particulars to this effect to the accepting officer at the time of submission of tender. The Executive Director, AIIMS, Bhubaneswar shall have full powers and without giving any reasons to the contractor immediately cease to employ in connection with this contract, any representative agency, servant and workman or employee whose continuous employment in his opinion is undesirable. The contractor shall not be allowed any compensation on this account.

9. The waste paper shall not be transported outside the AIIMS, Bhubaneswar site but burnt out in the incinerators, provided within the premises.

11. Security Pass

Immediately after acceptance of the contract, the contractor shall submit the list showing the names of the individuals, he wishes to employ in the work, with their particulars to the department for getting the police verification and arranging the temporary pass for them up to security gate only and subsequently to inside the technical area, the contractor shall provide security pass to the operator/helpers.

13. The contractor shall demand the stores in writing to the department for arranging such items for issue and also keep record/account of all materials drawn from the Executive Director, AIIMS, Bhubaneswar and produce for verification as and when demanded. Unserviceable items shall be returned to the AIIMS, Bhubaneswar.

14. Tools and Tackles:

Annexure - C

The contractor shall provide all the tools and tackles for the works including measuring instruments and safety gadgets for attending breakdown of equipments. Cost of transportation of labour and material to AIIMS, Bhubaneswar premises shall have to be borne by the contractor.

- i) Each manpower will be provided with the following minimum tools of reputed brand**

(Make: Taparia or equivalent) along with carrying bag for routine maintenance works by the agency:

- Combination Pliers
- Line Testers
- Wire strippers

(ii) The following tools shall be provided by the agency at Electrical Maintenance Office for use of maintenance and breakdown works:-

Sl. No.	Name of Tools	Manufacturer	Quantity
1.	Screw Drivers (Big & small)	Taparia/Stanley	5 Nos.
2.	Box Spanner Set complete with socket accessories, ratchet, etc.	Taparia/Stanley	1 No.
3.	Double end spanner set (Set of 12)	Taparia/Stanley	1 No.
4.	Ring Spanner set (Set of 12)	Taparia/Stanley	1 No.
5.	Screw Spanners of different sizes.	Taparia/Stanley	1 No.
6.	Hammers of different sizes	Taparia/Stanley	3 No.
7.	Punch/ Chisel	Any ISI make	2 Nos.
8.	Electric drilling machine	Bosch	2 No.
9.	Blower	Bosch	1 No.
10.	Multi-meter	Fluke/Meco-V/Metravi	1 No.
11.	Megger (500 V/1000 V)	Megger/Waco	1 No.
12.	Earth Tester	Megger/Waco	1 No.
13.	Clamp on meter (high range)	Meco/Megger/Motwani	1 No.
14.	Raincoat	Any ISI make	4 Nos.
15.	Safety Gloves	Any ISI make	3 Pair
16.	Safety Belt	Any ISI make	2 Nos.
17.	Rechargeable torch light	Any ISI make	2 Nos.
18.	Safety Helmet	Any ISI make	4 Nos.
19.	Aluminium Ladder (8 Ft)	Any ISI make	1 Nos.
20.	Aluminium Ladder (6 Ft)	Any ISI make	2 Nos
21.	Allen Key set	Taparia/ Any ISI Make	1 no.
22.	krone Punch Down tool	Any ISI Make	2 no.
23.	Krone Voice Module Test Cord 110 to RJ11 (1.5-2 m)	Any ISI Make	2 no.
24.	110 test head to alligator clip RJ11 voice test leads MDF check test cord for 110 phone Krone voice module Telecom patch panel	Any ISI Make	1 no.
25.	Telephone Butt Test Tester Lineman Tool Cable Set with Connectors and Joiner, the telephone tester uses FSK/DTMF dual system, Last number redial, On/Off and hang-up buttons, Easy for the lineman to check your telephone line fault	Any ISI Make	1 no.
26.	Rotary RCA Coax Coaxial Cable Cutter Stripper, Stripper/cutter for RG-59, RG-59 Quad, RG-6, RG-6 Quad, and RG-58 cables, Adjustable stripping distance: 4mm, 6mm, 8mm or 12mm, Come with a	Any ISI Make	1 no.

	hex wrench, Length: 3.9" (approximate 100mm), Adjustable & replaceable blades		
27.	Steel (200mm) Tin Cutters with Spring	Any ISI Make	1 no.
28.	Snap-off knife dyna grip - 25mm	Any ISI Make	2 no.
29.	Impact Punch Down Tool with Ever Sharp 110 & Ever Sharp 66 Blades plus a Wood Screw Starter Punch	Fluke or Any ISI Make	1
30.	Hot Melt Glue Gun - 150 Watt with Multi Temperature Control, Fast Melting	Any ISI Make	1
31.	soldering iron kit with stand, solder wire, paste, soldering iron.	Any ISI Make	1

- 14.1 The Agency shall have to arrange the required Computer (Wi-Fi networking system), Printer (All- in -one lesser printer), High speed internet, Android phone with incoming and outgoing facility during contract period, furniture etc. at his own cost pertaining to his job and he will take all the settings back only after the expiry of the agreement for which nothing extra shall be paid.**

15. Maintenance of records:

The contractor shall maintain all records such as log book, complaint register, attendance register, test records for various tests conducted, gate pass and other statutory registers for manpower employed etc. such records are to be maintained as per the formats given by the department. Records of major breakdown occurred during the period shall be maintained showing the cause of the defect and location and type of repairs carried out. The cost of stationary required for maintenance of the above record are under the scope of Contractor.

15.1 Following documents / records to be maintained at site

1. Complaint Register.
2. Stock Register.
3. Monthly Roster Duty Chart of all Employee.
4. Issue Register of materials.
5. Material requisition book.
6. User Certification of all works Executed.
7. Attendance Register & wage register.
8. List of tools and test equipments available at site.
9. Fan complaint Register.

16. The contractor shall employ the required number of personnel depending upon the requirement of AIIMS, Bhubaneswar including technical and nontechnical personnel. The contractor shall, during the progress of the works, employ a whole time qualified, experienced and competent representative at the site for executing the work. **The contractor should submit the biodata, Educational certificates, Experience certificate, Electrical license, ID proof, Address proof, 2 nos of passport size photographs and any other necessary documents of all employees to be engaged for the work to the office of Engineer-In-Charge at the time of deploy.**
17. The work shall be governed by AIIMS, Bhubaneswar's general conditions and security regulations of the contract. The number and names of the contractor's personnel along with two photographs to be engaged shall be indicated/submitted in advance to meet the security regulations, etc.
18. The submission of tender by a tenderer implies that he has read this Notice and the conditions of contract and has made himself aware of the scope and specifications of the work to be done and of

the conditions and rates at which stores, tools and plant etc. will be issued to him and local conditions and other factors bearing on the execution of the work.

19. No foreign exchange and import license for import of technical know-how or equipment, components, spares or materials will be arranged or provided by the AIIMS, Bhubaneswar. In case the offered equipment involves any foreign exchange, this shall be clearly indicated together with a statement as to how this is being arranged by the tenderer.
20. The tenderer shall indicate the source of supply, the detailed specifications, furnish test certificates, such as guarantee/warranty etc. for all brought out items.
21. The Agency and/ or his authorized agent should see the site order book every day and get the compliance of instruction given by the JE/AE/Engineer-in-charge as per time scheduled.

22. **Deviations:**

Any exclusion, deviation from specification shall be clearly spelt out and listed at one place only and tenderer shall substantiate the same with appropriate reasons. In absence of the same, it will be considered that tenderer has followed the specification fully in words and spirit.

23. **Faults, Repairs and Replacement:**

- 23.1 In case faults occur of such nature causing delay and becoming detrimental to the maintenance of services or any spare part of equipment not available with BOQ or AIIMS, Bhubaneswar stock, contractor would be ordered in writing by Executive Engineer, AIIMS, Bhubaneswar/his representative for procurement of the same from the market for rectification/completion of the job. The payment will be regularized in the following RA bills.
- 23.2 In case of faults/repairs/damages, the Contractor should immediately submit a detailed fault analysis report, the details of repair/rectification schedule with details of probable completion. A format has to be submitted by the tenderer for repair/rectification schedule along with the tender which will be approved by the Executive Director, AIIMS, Bhubaneswar.
- 23.3 On completion of replacement of spares but before energization/ operation of the system, the replacement shall be physically checked and properly tested. These checks and tests shall be conducted by the tenderer under the supervision of AIIMS, Bhubaneswar and tenderer shall furnish the final status and test result. Any defect observed during such check and tests shall be made good by the tenderer free of cost within the Contract completion period.

24. **Specifications and Standards**

The operation and maintenance shall be in conformity with relevant Indian standard specification. National Electrical codes including provisions of these specifications. In the event of any conflict between the provisions/clause for a particular item in the above-mentioned rules and specifications the most suited clause based on requirement shall be applicable.

25. Any work that the tenderer would normally off load to his sub-vendor or subcontractor with the permission of AIIMS, Bhubaneswar, it is to be noted that the Executive Director, AIIMS, Bhubaneswar shall not have any obligations whatsoever towards the tenderer's sub-contractor/ sub-vendor. Only the tenderer is responsible to the Executive Director, AIIMS, Bhubaneswar and AIIMS, Bhubaneswar does not accept any liability for the sub-contractor or his work men.
26. It must be understood that the number of people indicated here would in any way bind the tenderer for any contractual obligations or delay in schedule of work etc. This information would be used only for tenderer evaluation and later on to assess tenderer's progress with regard to adequacy of manpower.
27. Any other information the tenderer feels necessary to understand should be mentioned in the quotation in complete.

28. It is the responsibility of the successful tenderer to hand over the entire system to the Executive Director, AIIMS, Bhubaneswar on completion of the contract period in its initial working condition. Any damages/replacement etc. should be done at free of cost with the knowledge of the Executive Director, AIIMS, Bhubaneswar. The final taking over will be done after detailed joint inspection by the Executive Director, AIIMS, Bhubaneswar/ or his authorized representative and the contractor on completion of the contract period.
29. The contractor shall not be entitled to any additional payment during the tenure of the contract due to increase in cost of manpower and the rates should be quoted accordingly.
30. The lump sum price offered by the contractor shall include the charges for any minor job of maintenance which are obviously fairly intended and which may not have been referred to in these documents but are essential for this work. In case of difference of opinion as to whether or not a certain item of work constitutes minor details of maintenance or not included in contractors' prices, the decision of Executive Director, AIIMS, Bhubaneswar shall be final and binding.
31. If the contractor has to go in for subcontracting, he has to take prior written approval from the Executive Director, AIIMS, Bhubaneswar for the same. A copy of agreement held between the prime contractor and the subcontractor should be submitted at office of EIC, AIIMS Bhubaneswar. But the prime contractor is held responsible for all the works. The Executive Director, AIIMS, Bhubaneswar will in no way have contacts with the sub-contractor so appointed by the prime contractor.
32. **Risk Purchases:**
The cost of repairs/rectification's necessitated due to negligence of contractors' employee shall be recovered from the contractor as per assessment made by the Executive Director, AIIMS, Bhubaneswar. If the contractor fails to repair/rectify the defects in installations within the time given to him, the same will be got repaired/ rectified from other agency at the risk and cost of the Contractor. The decision of Executive Director, AIIMS, Bhubaneswar shall be final and binding on both the parties.
32. If the attendance falls short, of the contracted minimum number of persons, the pro-rata amount shall be deducted from his bill. Similarly, if the work is found unsatisfactory and not up to the expected standard, an amount which the Executive Director, AIIMS, Bhubaneswar determines, shall be deducted from the Contractor's bill. The amount so deducted shall be final.
33. In Case the agency is not able to attend/ rectify fault in the system within the stipulated time period, AIIMS, Bhubaneswar reserves the rights to engage outside agency to check/ inspect the faulty system. If the system is rectified by the outside agency or third party, the amount of checking, rectification along with suitable penalty towards delay in attending breakdown shall be recovered from the agency, who otherwise is responsible for the up keeping of these equipments.
34. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.

ADDITIONAL CONDITIONS FOR ELECTRICAL WORKS

A. GENERAL CONDITIONS

1. **Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works)."**
2. For all items of Electrical, 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 be applied. In this regard the decision of Engineer-in- charge shall be final & binding.
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 in 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 by 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 commission 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. Complaint register, attendance register and other records will have to be produced either daily according to the requirement or when asked to do so by the Engineer-in- charge or his authorized representative.
12. When a register gets completed, it will be handed over the concerned J.E/A.E. It will not be returned to the contractor and the same will remain the property of the department.
13. The contractor shall take immediate action to attend any complaint assigned to him through site order book/verbal instructions from Engineer-in-Charge or his representative over telephones from occupants. In all cases he shall attend the complaints in the specified duration
 - (a) **Emergent complaints:** Complaints of emergent nature of works as instructed by Engineer in charge or his representative shall have to be attended immediately **within 6 hours**.
 - (b) **Normal Complaints:** Complaints relating to the trades shall have to be attended within **48 hours**.

The vendor needs to comply minimum 80% complaints registered in each day and another 20% within 48 Hours. If any complaint required more than 48 Hours, then the Vendor must take the approval of time period from the Engineer-In-Charge or His representative.

14. The personnel and laborers engaged by the contractor under this contract shall wear neat and clean uniforms are approved by the Engineer-in-Charge along with name badges. As identity card duly countersigned by the Executive Engineer (electrical) or his representative shall be issued to each personnel by the contractor to have proper identifications. The character and antecedents of the staff employed by the contractor shall be got verified from the police by the contractor.

15. 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 with replacement of a suitable candidate.
16. The contractor shall make all safety arrangement required for the labour 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.
17. 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.
18. 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.
19. 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 be 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.
20. 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) Contract clauses of general conditions of contract for central P.W.D. works.
 - (d) Architectural drawings.
 - (e) Indian standards specifications/BIS. 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 all such publications of relevant Indian Standards applicable to the worksite at his own cost.
21. **Each employees shall maintain a complaint diary and get the feedback recorded from the allotters" regarding attending the complaint. In case, it is found that the complaint has been attended unsatisfactory; it will be considered as unattended. list of such complaints shall be submitted to the Engineer-in-Charge or his representative on daily basis.**
22. Required Space will be handed over to the contractor free of cost by the department for enquiry room/office room. **However, the agency needs to establish a temporary shed at his own cost for keeping the dismantled materials. The space will be given by the department for the temporary shed near the maintenance office.**
23. The agency shall restore back the premises and other articles provided by the department to the department at the time of closure of the contract.
24. The contractor and/ or his authorized agent should see the site order book every day and get the compliance of instruction given by the JE/AE/Engineer-in-charge as per time scheduled.
25. No permanently /temporary huts /structures shall be constructed by the contractor at the site of work or at any government land/premises. Such structures, if any, found at the site or at AIIMS Bhubaneswar land shall be demolished and removed at the cost of the agency without any notice.
26. Any damage to the building structure, fittings or any other articles etc. done by the contractor on his workman during the execution of the work shall be made good by the contractor at his own cost.
27. The contractor shall clear the site property after the completion of the work.
28. Major/Minor complaint shall be decided by the Engineer-in-charge or his representative. The decision of Engineer-In-charge shall be final & binding.

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

B. SPECIAL CONDITIONS

1. Any facility not mentioned in this scope, but which is vital to '**Supply of Electrical items, internal and external electrical wiring/cabling and Illumination works**' are assumed to be included in the scope of work.
2. Contractor has to ensure safety and provide adequate supervision/precautions during the work.
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. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
6. **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.
7. **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.

8. 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.

9. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications, Indian Electricity Rules & National Electrical Code.
10. The contractor has to get approved all the material from the Engineer-in-Charge before its actual use at site of work.
11. 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.
12. 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.
13. 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.
14. Existing materials in good condition may be used after joint inspection by AIIMS representatives & vendor
15. Dismantled/ un-used materials to be deposited at Engineering Dept. by the Firm.
16. Manpower deployed for operation and maintenance work may be engaged as and when recruited by the direction of Engineering In charge/Executive Engineer/ A.E (Electrical) of AIIMS.
17. Minor welding work as and when required to be carried out by the contractor.
18. The all electrical works to be done as per I.E rule 1956.
19. **Warranty/Guarantee: The warranty/Guaranty certificate shall be provided as per manufacture standard norms.**
20. All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.
21. The tender shall be based on Conditions of Contract and tenderers are required to quote their % rates against in schedule of quantities (B.O.Q), which is enclosed. All rates shall remain firm for the contract period/extended contract period.
22. One dedicated telephone number shall be provided by the vendor at the maintenance office for logging of complaints.

23. During electrical maintenance, if any drill bits is required, the agency must provide it for the work, and no extra payment shall be made for the same.

C. GENERAL CONDITIONS FOR SUPPLY OF MATERIALS

1. The materials shall be as per CPWD specifications with up to date correction slip and ISI specifications wherever mentioned and as per **list of approved makes (enclosed)**.
2. In the event of any variation between CPWD specifications and that in the IS code the former shall take precedent over the later. In the event of variation between the nomenclature of item as per schedule of quantities and specifications, the former shall prevail
3. The sample of all the items shall have to be got approved by the contractor from the Engineer-in-Charge/Executive Engineer or his Representative before the supply commences. The approval of sample shall be only in respect of workmanship and finish, and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received as per additional conditions. This decision is the prerogative of Engineer –in-Charge.
4. The contractor shall furnish the manufacture’s certificate (if required) that the material supplied satisfy the requirements of the relevant specifications.
5. The Engineer-in-Charge shall be at liberty to test respective sample(s) of each item from schedule of quantity in any approved laboratory as decided by him. The sample for testing shall be provided by the contractor. The testing charge in respect of satisfactory test shall be borne by the contractor. All other expenditure required to be incurred for making available the sample conveyance and packing etc, shall be borne by the contractor himself. In case any sample of particular lot fails in testing the contractor shall be bound to replace the entire lot with fresh material of prescribed specifications and the rejected lot shall only be returned to the contractor after fresh lot is supplied.
6. Rejected materials shall have to be removed by the contractor at his own cost within a week of the instructions of doing so. Also go-down rent as decided by Engineer –in-Charges shall be charged by the department.
7. In case of any dispute regarding rejection of quantity of materials, the decision of Engineer-in-Charge shall be final and binding up on the contractor.
8. The contractor are specifically required to quote only percentage rate against BOQ item. The rate Quoted for any item of material shall conform to the prescribed specifications.
9. The quantities are approximate and are liable to change up to any extent on either side. The Engineers-in-Charge reserves right to order deviation from the quantities mentioned in the tender. The contractor shall supply the additional quantity on the rates quoted in the tender documents irrespective of deviation limit mentioned elsewhere in the agreement. The contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which might have derive from the execution of supply in full as mentioned in tender but which did not derive any consequence of the full supply of material mentioned in tender not having been ordered. It is not necessary to use all items in the BOQ/Schedule during contract period. The use shall be based on the requirement at Site. Contractor cannot claim payment against storage of items to maintain the deadline of completion of work as per Tender.
10. The maker of material shall be same as that of actually installed/fixed at site. But, in case of non-availability or due to any reason, Engineer-in-Charge can take decision to install equivalent/new items available in the BOQ/Schedule. In case of any dispute the decision of Engineer-in-Charge shall be final with regards to make /brand of materials.
11. In case of non-availability of any items due to any reason, the vendor can install equivalent/new items available in the market in place of the non-available items at same rate as per the BOQ by taking the permission of the Engineer-in-Charge.
12. For materials used in this work, the record shall be maintained at site in a standard performs to watch quality and consumption of the materials.
13. Lowest One (L-1) will be decided from the cumulative Value of all items in the BOQ (Schedule)

Executive Engineer (Elect.)

AIIMS Bhubaneswar

TECHNICAL SPECIFICATIONS

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.

3.0 LT CABLES

3.1 GENERAL

LT Cables shall be supplied, inspected, laid, tested and commissioned in accordance with specifications, relevant Indian Standards Specifications, and cable manufacturer's instructions. The cable shall be delivered at site in original drums with manufacturer's name clearly written on the drums. The recommendations of the cable manufacturer with regard to jointing and sealing be strictly followed.

3.2 MATERIAL

The L.T. Cables shall be XLPE insulated FRLS aluminium conductor armoured cable, PVC inner sheathed, overall PVC sheathed in conformity to latest technical specification and as per latest IS code.

3.3 LT CABLE LAYING

3.3.1. The cable shall be laid directly in cable tray clamped with 40mm x 3mm MS flat clamp, in HDPE pipe below 750 mm from ground level and in cable trench. The cable laying work will be done as per CPWD specification of electrical works.

3.3.2. Underground Cable Laying procedure

A trench of about 1.5 meters deep and 45 cm wide is to be dug as per required. Then the trench is to be covered with a 10 cm thick layer of fine sand. The cable is to be laid over the sand bed. The sand bed protects the cable from the moisture from the ground. Then the laid cable shall again be covered with a layer of sand of about 10 cm thick. When multiple cables are to be laid in the same trench, a horizontal or vertical spacing of about 30 cm is to be provided to reduce the effect of mutual heating. Spacing between the cables also ensures a fault occurring on one cable does not damage the adjacent cable. The trench is then to be covered with bricks and soil to protect the cable from mechanical injury.

3.4 INSPECTION.

All cables shall be inspected at site and checked for any damage during transit.

3.5 JOINTS IN CABLES

The Contractor shall take care to see that the cables received at site are apportioned to various locations in such a manner as to ensure maximum utilization and avoiding of cable joints. This apportioning shall be got approved from Engineer-In-Charge before the cables are cut to lengths.

4.0 TESTING OF CABLES

4.1 Prior to installation of cables, following tests shall be carried out. Insulation test between phases, phase

& neutral, phase & earth for each length of cable.

- a) **Before laying**
- b) **After laying**
- c) **After jointing**

4.2 On completion of cable laying work, the following tests shall be conducted in the presence of the Engineer-in-Charge.

- a) **Insulation Resistance Test (Sectional and overall).**
- b) **Continuity Resistance Test.**
- c) **Earth Continuity Test.**

4.3 All tests shall be carried out in accordance with relevant Indian Standard code of practice and Indian Electricity Rules. The contractor shall provide necessary instruments, equipment's and labour for conducting the above tests & shall bear all expenses of conducting such tests without any extra charge.

5. **CONDUITS.**

5.1. **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.

PVC CONDUITS. Wiring shall be carried out in surface/concealed conduits. The PVC conduits conform to Latest and shall be ISI embossed.

5.2. **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.

5.3 **CONDUIT ACCESSORIES**

5.3.1 **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.

5.3.2. **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.

6. **WIRES.** Wiring shall be carried out with FRLS insulated 660/1100-volt grade unsheathed single core wires with electrolytic annealed standard copper (unless otherwise stated) conductors conforming to latest IS Code. All wire rolls shall be ISI marked. All wires shall bear manufacturer's label and shall be brought to site in new and original packages. Manufacturer's certificate, certifying that wires brought to site are of their manufacture shall be furnished as required.

7. **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.

8. **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.

8.1 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.

8.2 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.

8.3 PROTECTION AGAINST DAMPNESS.

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

8.4 EXPANSION JOINTS.

When crossing through expansion joints in buildings, the conduit sections across the joint shall be through approved quality heavy duty metal flexible conduits of the same size as the rigid conduit. The expansion joint crossing shall be done as approved by Engineer-in-Charge.

8.5 LOOP EARTHING.

Loop earthing shall be provided by means of insulated stranded copper conductor wires of sizes as per Schedule of Quantity laid along with wiring inside conduits for all wiring outlets. Earthing terminals shall be provided inside all switch boxes, outlet boxes and draw boxes etc.

9. LAYING AND DRAWING OF WIRES.

9.1. 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.

9.2 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 smoothen 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.

9.3 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.

9.4 **LOAD BALANCING.**

The contractor shall plan the load balancing of circuits in 3 phase installation and get the same approved by the Engineer-in-Charge before commencement of the work.

9.5 **COLOUR CODE OF CONDUCTORS.**

Colour code shall be maintained for the entire wiring installation – red, yellow, blue for three phases, blank for neutral and green for earth.

10. **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.

11. **MINIATURE CIRCUIT BREAKERS.**

The MCB's shall be of the completely moulded design suitable for operation at 240/415 Volts 50 Hz system. The MCB's shall have a rupturing capacity of 10 KA at 0.5 pf. The MCB's shall have inverse time delayed thermal overload and instantaneous magnetic short circuit protection. The MCB time current characteristic shall coordinate with XLPE cable characteristic. Type test certificates from independent authorities shall be submitted with the RA bill.

Annexure– A**MANPOWER DETAILS**

<u>SL no.</u>	<u>Category</u>	<u>No. of manpower</u>
1	High Skilled	1
2	Skilled	8
2	Semi-Skilled	3

QUALIFICATION OF MANPOWER:

SL no.	Category	Qualification & experience	Work Description
1	Highly Skilled (Supervisor)	Minimum qualification: - Diploma/B.Tech in Electrical Engineering or equivalent. Experience: - Minimum 5 Year Experiences for Diploma and 2 Years' Experience for B. tech/BE in Electrical Maintenance work.	Supervision of the electrical maintenance works, Assign the works to the Technicians, and carry out all works assigned as per direction of the Engineer-in-Charge/EE/AE/JE. Prepare the shift schedule and submit the same to the AE/JE monthly.
2	Skilled (Enquiry Clerk)	Minimum qualification: Graduation having knowledge of computer and proficiency to work in MS office. Experience: minimum 2 Year Experiences in Data entry, MS office, Excel, maintenance of stock register & Store keeping.	Providing Services of Enquiry Clerk for recording the complaints received through phone call, E-mail, or any other medium. Update the status of complaints on daily basis on the complaint register and Excel. Update the stock in stock register and Excel.
3	Skilled (wireman/lineman/technician)	Minimum Qualification: - ITI/Diploma in Electrician/Wireman from NCVT/SCVT with Wireman MV/Lineman MV License. Experience: - minimum 2 Year	Providing electrical maintenance services, including wiring and lighting systems, and attending to all electrical complaints as assigned and directed by the EE/AE/JE
4	Semi-Skilled (Helper)	Minimum qualification: - ITI in Electrician/Wireman from NCVT/SCVT. Experience: - Minimum 2 Years Experiences in Electrical Maintenance work.	Providing services of Electrician Helper for the maintenance work of complete electrical system for the entire campus as per direction of the Engineer-in-Charge/EE/AE/JE.

Executive Engineer
AIIMS, Bhubaneswar

Preferred Make list of Materials		
BOQ No	Description of Item	Make
1	FRLS PVC insulated, single core/2 core/3 core/4 core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
2	iron staples/ saddles/ screws	AKG/Anchor/Polycab or Approved make
3	PVC conduit	AKG/Anchor/Polycab/ Precision.
4	MICA SHEET COVER	AKG/Anchor/Polycab or ISI Approved
5	PVC GRIP	AKG/Anchor/Polycab or ISI Approved make.
6	PVC bends	AKG/Anchor/Polycab/ Precision.
7	PVC coupler	AKG/Anchor/Polycab/ Precision.
8	PVC junction box, one way/two way	AKG/Anchor/Polycab/ Precision.
9	PVC Flexible pipe	AKG/Anchor/Polycab/ Precision.
10	Modular GI box	Legrand/Anchor-Roma/Honeywell/C&S.
11	Modular base & cover plate	Legrand/Anchor-Roma/Honeywell C&S..
12	ceiling fan down rod	Any ISI Approved Make
13	Ceiling rose, 3 pin, 5 A	Legrand/Anchor-Roma/Honeywell.
14	one way/two way modular switch	Legrand/Anchor-Roma/Honeywell/C&S..
15	modular socket outlet	Legrand/Anchor-Roma/Honeywell C&S..
16	Modular blanking plate	Legrand/Anchor-Roma/Honeywell.
17	Modular bell push switch	Legrand/Anchor-Roma/Honeywell.
18	3 pin plug Top	Legrand/Anchor-Roma/Honeywell.
19	Modular Fan regulator	Legrand/Anchor-Roma/Honeywell.
20	Fan capacitor	Philip/Bajaj/USHA/Havells/Concap.
21	PVC Batten/ Angle Holder	MK/Anchor/Cona/Finolex
22	Call bell/ buzzer, single phase	MK/Anchor/Cona/Finolex
23	PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
24	Electrical contact cleaner(CRC)	WD-40/Elecstar/ CCS02/ CVC
25	Grease/petroleum gel	Any ISI Approved Make
26	Rubber/ PVC bushes	Any ISI Approved Make
27	Water Proof Tape	Any ISI Approved Make
28	Electrical PVC insulation Tape	Anchor/taparia/finolex/
29	PVC clip for fixing cable/Casing Capping	Any ISI Approved Make
30	Al. Alloy/ cadmium plated iron screws	Any ISI Approved Make
31	Cable tie lock belt	Any ISI Approved Make
32	Iron screws	Any ISI Approved Make
33	bolts & nuts	Any ISI Approved Make
34	steel Anchor fastener	Any ISI Approved Make
35	SPN/TPN, double door, MCB DB	Legrand/ABB/L&T/Schneider Electric.
36	SP/DP/TP/TPN MCB	Legrand/ABB/L&T/Schneider Electric.
37	MCCB	Legrand/ABB/L&T/Schneider Electric.

38	Single pole, blanking plate	Legrand/ABB/L&T/Schneider Electric.
39	Sheet steel DP/TP MCB enclosure	Legrand/ABB/L&T/Schneider Electric.
40	Brass compression gland	COMET/COSMOS/ ISI Approved make
41	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
42	Ring/Pin type copper lugs	PTC/ISI Approved Make
43	Aluminium lugs	PTC/ISI Approved Make
44	Outdoor cable jointing kit with cast resin compound with lugs	3-M/ISI Approved Make
45	fan shaft	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
46	Bearing of fan	Bajaj/ CG/ Havells/Usha/Crompton
47	BEE 5 star rated ceiling Fan.	Philip/Bajaj/USHA/Havells/Atomberg.
48	wall mounted fan.	Bajaj/ CG/ Havells/Usha/Crompton.
49	Heavy Duty Exhaust fan	Bajaj/ CG/ Havells/Usha/Crompton.
50	LED Light	Philip/Bajaj/Havells/Crompton/ Panasonic.
51	FL tube	Philip/Bajaj/Havells/Crompton/
52	FL electronic choke	Philip/Bajaj/Havells/Crompton/Orient.
53	Red/Yellow/Blue/Green indication Lamp	Philip/Bajaj/Havells/Crompton/Orient.
54	LED Flood light	Philip/Bajaj/Havells/Crompton.
55	Ammeter panel mount(40-700Amp)	L&T/Schneider/ ABB/ISI Approved Make
56	MCCB Rotary Handel (300-630 Amp)	L&T/Schneider/ ISI Approved Make
57	MCCB Rotary Handel (40-250 Amp)	L&T/Schneider/ ISI Approved Make
58	RYBN Panel Connector	ISI Approved Make
59	LT panel hinge/Door lock	ISI Approved Make
60	12" Lift Cabin fan	Johnson / Kone /globe/ISI Approved Make
61	screw	ISI Approved Make
62	9 volt Alkaline batteries	Eveready/hi-watt/ISI Approved Make
63	Fan nuts	ISI Approved Make
63	Supply of universal ceiling/wall Projector mounting kit 4 feet ,Weight Loading Capacity Upto 25 KG, Material: Iron/Metal ,All mounting fitting accessories included, The safety loading weight, Adjustable, Rotatable, Rust Resistant, Tilt	ELCOR / Audiovan /MOIZ/ ISI approved
64	Supply of universal ceiling/wall Projector mounting kit 6 feet ,Weight Loading Capacity Upto 25 KG, Material: Iron/Metal ,All mounting fitting accessories included, The safety loading weight, Adjustable, Rotatable, Rust Resistant, Tilt Head.	ELCOR / Audiovan /MOIZ/ ISI approved
65	Supply of M8x65 Socket Cap Screw, Alloy Steel,Point Style:- Round Point (Pack of 100 pic)	ISI approved
66	Supply of 2-meter High-Speed True 4K HDMI Cable Specification : HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant video quality – True 4K (4096 x 2160 @60Hz; 3840 x 2160 @ 60Hz 4:4:4) Gold-plated connectors for reliable transmissions; Conductor	Aten/Extron/Kramer/ Krystal/Belden/Klotz

	Gauge: 30AWG; Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC. Warranty:1 years	
67	Supply of 5-meter High-Speed True 4K HDMI Cable Specification : HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant video quality – True 4K (4096 x 2160 @60Hz; 3840 x 2160 @ 60Hz 4:4:4) Gold-plated connectors for reliable transmissions; Conductor Gauge: 30AWG; Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC.Warranty:1 years	Aten/Extron/Kramer/ Krystal/Belden/Klotz
68	Supply of 20 meter True 4K HDMI Active Optical Cable, Specification : Extends True 4K signals up to 20m Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC.Warranty:1 years	Aten/Extron/Kramer/ Krystal/Belden/Klotz
69	Supply of Ethernet Crimp Tool for Cat5 ,Cat5e, Cat6, Crimping tool for UTP 8P/RJ45 and 6P/RJ12 4P/RJ11 connectors Crimp, Cut, Strip Tool,Professional Network Crimper Cutter Stripper, Network Wire Stripper	Molex / Dlink /Tyco Electronics/Platinum Tools/ MX/ Proskit/Jonard Tools
70	Supply of 8 mm Rawl Bolt Fastener	ISI approved
71	Supply of 6 mm Rawl Bolt Fastener	ISI approved
72	Supply of 10 mm Rawl Bolt Fastener	ISI approved
73	Supply of Handheld Microphone Windscreen Windshield Sponge Foam Mic Cover (Multi colour)	ISI approved
74	Supply of Anti Slip Ring For Microphone ; Material Made of silicone material, strong elasticity, suitable for hand-held microphones between 35mm-39mm in diameter, can effectively prevent microphone rolling (Multi colour)	ISI approved
75	Supply of Microphone Stand, microphone stand holds microphone securely in place Long boom arm with molded plastic counterweight for horizontal placement Versatile design folds flat for use as straight mic stand Sturdy steel construction; ultra-light for easy transport Compatible with 3/8-inch to 5/8-inch adapter; clip-on cable holder keeps cords out of the way.Height: 920-1500 mm ;	Ahuja / Rotania/ Norden Communication / Odionix
76	Supply of 2-way, Bi-amped Powered Speaker for Stage Monitor, LF Diameter: 12" cone, Voice Coil: 2.5", Magnet: Ferrite; HF : Diaphragm: 1.75", Type: 1" throat coaxial compression driver, Magnet: Ferrite; Amplifier class-D, Power rating-1,000 W (LF: 800 W, HF: 200 W),Continuous-465 W (LF: 400 W, HF: 65 W), Frequency range (-10dB): 55 Hz - 20 kHz ,Crossover :1.8 kHz (linear phase FIR filter),Coverage area: H90 ° x V90 ° .	Yamaha / JBL / QSC / Behringer

77	Supply of Microphone Stand Plastic Clamp Clip Holder	ISI approved
78	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 20 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
79	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 10 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
80	Supply of RJ45 Boot CAT6 CAT6E CAT5 CAT5E Ethernet Network Cable Strain Relief Boots Cable Cap Connector Plug Cover Mixed Colors (Pack of 50)	ISI approved
81	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 5 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
82	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 2 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
83	Supply of 5 meter XLR male to 3.5mm Male Cable - Professional Low Noise Microphone Cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
84	Supply of 5 meter XLR female to 3.5mm Male Cable - Professional Low Noise Microphone Cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
85	Supply of 6.35mm TRS Male to XLR Male cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage 2 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
86	Supply of 6.35mm TRS Male to 6.35mm TRS Male cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage 2 meter Length	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
87	Supply of Snake Cable 16 Pair -24 AWG (19/0.12mm) x 2 core ABC copper conductor, PE insulated, core twisted in circular form, Mylar Polyester Taped, ABC Spiral shielded + Aluminum foil shielded, PVC Inner Sheathed, Matt Finish High Flex Special PVC Overall Sheathed Snake Cable.	Krystal/Belden/Klotz

88	Supply of LC to LC Fiber Optic Patch Cable Multimode/singlemode Duplex Optical Patch Cord 1G/10G Fiber Optic Cable LC-LC 3 Meter	RIT /CommScope/Belden/ Amphenol
89	Supply of Stage Mic Patch Box with 16 Channel with XLR connectors featuring high-quality connectors for reliable and secure signal transmission. It shall be built to withstand the demands of stage environments, ensuring durability and excellent performance.	ISI approved
90	Recoiling /servicing/repairing of 1000 watt and above passive speaker	
91	Recoiling /servicing/ repairing of 10 to 500 watt speaker	
92	Supply of XLR Female connector,nickel plated connectors	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
93	Supply of XLR male connector,nickel plated connectors	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
94	Supply of speaker network card	ISI approved
95	Supply of Wired Gooseneck Microphone with base for podium, Frequency Response: 50 Hz to 20,000 Hz , Generation element: Dual condenser, back electret; Polar:Cardioid ,Gooseneck length:18 inch;Accessories furnished: Windscreen, Logic levels: Standard TTL levels for switch out and LED Control,Power requirements: Phantom, 12 - 52 VDC; Dynamic range: >101 dB;Output impedance, 1 kHz: 200 ohms; Sensitivity:Open circuit voltage, 1 kHz: 5.6mV/ Pascal.	Shure /Sennheiser/ Electro voice
96	Supply of UHF Wireless handheld Microphone system, cardioid pattern, receiver's dual antenna; used on a tabletop, or rack-mounted with optional rack mounting hardware;Receiver Type: Synthesized PLL; Number of Channels: 32; Modulation: ± 40 kHz ,Diversity:True Antenna; RF Sensitivity: <1.0 μ V for 12 dB SINAD; Operating Temperature 5°C to 45°C ; Frequency Response : 80 Hz - 18 kHz ± 2 dB ;	Shure /Sennheiser/ Electro voice
97	Supply of Dynamic cardioid vocal microphone with on/off switch ,Polar Pattern Cardioid,Wired/Wireless Wired,Mic Type Handheld,Diameter (Max) 1.99" (50.5mm),Element Dynamic,Impedance, Low-Z balanced 350 Ω ,Open Circuit Voltage 2.4mV/Pascal,Case Material Die cast zinc,Finish Black polyurethane paint,Power Requirement Passive,Audio Frequency Response 70 – 17,000,Maximum SPL > 140dB	Shure /Sennheiser/ Electro voice
98	Supply of 1/4" 6.35mm Mono Male Connector Nickel Plated with Spring Strain Relief Plug Coax Audio Microphone Adapter - Solder Type	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
99	Supply of Flight Case for audio Mixer / Lighting console	

100	Supply of Microphone/signal cable of Audio, spiral copper shielding ,oxygen free copper center,90% coverage shield and a great signal capability speaker .	Neutrik / Canare / Belden /Pro-Audio Connects / Hawk Pro Audio /MX-MOXO
101	Supply of Ultra Alkaline AAA Batteries ,Lasts upto 10 times longer vs Ordinary Zinc Carbon Batteries 100 percent Checked against Leakage Operates over a wider range of temperature	Eveready /Duracell /Panasonic
102	Supply of AA Battery ,Lasts upto 10 times longer vs Ordinary Zinc Carbon Batteries 100 percent Checked against Leakage Operates over a wider range of temperature	Eveready /Duracell /Panasonic
103	Supply of 9V Battery,Lasts longer much longer vs ordinary zinc carbon batteries 100 percent checked against Leakage, Operates over a wider range of temperature	Eveready /Duracell /Panasonic
104	Supply of Smart and Quick Charger for AA & AAA Rechargeable Batteries,Input AC100V-240V 50-60HZ,Charging Output AA×2 1500mA AAA×2 550mA,Timer Control Charging-on,Full Charged-off.	Panasonic / ENVIE /EBL
105	Supply of AA Ni-MH (Up to 2000 mAh) Pre-Charged Rechargeable Batteries;Voltage- 1.2 Volts	Eveready /ENVIE /Panasonic
106	Supply of AAA Ni-Mh (Up to 800 mAh) Pre-Charged Rechargeable Batteries; Voltage- 1.2 Volts,	Eveready /ENVIE /Panasonic
107	Supply of telephone Handset with above features - Caller ID system with new call and repeat call display, Built-in date, time clock and week display, FSK/DTMF Caller ID System, LCD contrast adjustment, 16 Digit, Multiple row display, LED Ringer Indicator, Ringer volume - Hi/Low adjustable, Two way speaker phone with optical signaling via LED, Speaker and handset volume adjustment, Active memory for call log storage, min 100 incoming calls' list, min 10 outgoing calls' list, min 10 numbers phone book memory; Checking, dial back and deleting for incoming/ outgoing / phonebook calls; Pre-dial function; Fixed feature keys - Pause, hold, redial, flash and volume; Hotline call; Display dialing Auto recall when the line is busy; indirect memory keys, External power/batteries not required; Local area code setting up to 6 digits , Hearing Aid Compatible, Convenient Dialing Keypad;Wall mountable with 1 year warrantee.	beetel / Panasonic /Motorola
108	Supply of Discrete Wire Connector - UY P ,Gel Filled,Butt Splice UY Connector 2 Port SS, suited for all types of Telecom cable splicing needs. These connectors are designed and built around proven Insulation Displacement Connection (IDC) technology.(100 Pieces)	ISI Standrad

109	Supply of Telephone 10-Pair Krone Module, Flawless range, Port: 5 Pair, 8 Pair, 10 Pair and Connection Wire: 0.4-0.6mm	ISI Standrad
110	Supply of multi-functional, professional-grade crimping tool designed for crimping, cutting, and stripping Ethernet cables. Compatible with pass-through and standard RJ connectors, Crimping : Supports 8P (RJ45), 6P (RJ12), and 4P (RJ11) modular connectors – pass-through and regular types, Cutting: Integrated precision cable cutter for clean cuts, Stripping: Adjustable stripping blade for CAT5e, CAT6, CAT6A cables, Pass-Through: Trims wire ends automatically during crimping for perfect alignment and termination, Handle Grip: Ergonomic, anti-slip handle for fatigue-free operation, Supported Types Connectors: RJ45 (8P8C), RJ12 (6P6C), RJ11 (4P4C/4P2C) .	FEDUS /D-LINK /Klein Tools /Platinum Tools
111	Supply of Steel Back Mounting Krone Module Frame for 1 Krone Module	ISI Standrad
112	Supply of 10 Pair Telephone Junction Box ,Material Mild Steel,Shape Rectangle,Thickness 25-50 mm,Finish Type Polished, Number of Pair 10.	ISI Standrad
113	Supply of 50 Pair Telephone Junction Box ,Material Mild Steel,Shape Rectangle,Thickness 25-50 mm,Finish Type Polished, Number of Pair 10.	ISI Standrad
114	Supply of ADSL Internet Phone Filter Splitter Broadband Modem Box-Connector 1: 1 6P2C Female Jack,Connector 2: 2 x 6P2C Female Jack, This adapter separates voice signal and ADSL digital signal from telephone signal,Protect the voice signal and ADSL digital signal from the interference of a telephone & fax,This ADSL Splitter separates voice signal and ADSL digital signal from telephone signal. RJ11 Line Splitter protects the voice signal and ADSL digital signal from the interference of a telephone and a fax machine. One 6P2C RJ11 socket at one end for line. Two 6P2C RJ11 sockets at the other end for phone and modem.	ISI Standrad
115	Supply of DSL-224 Wireless N ADSL/VDSL2 Wi-Fi Router,The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n,The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, and the WPS function,Support of guest Wi-Fi network allows you to create a separate wireless network with individual security settings and maximum rate limitation. Devices connected to the guest network will be able to access the Internet, but will be isolated from the devices and resources of the router's LAN,The wireless router DSL-224 includes a built-in firewall. The advanced security	ISI Standrad

	functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN	
116	Supply of 6 inch selflocking cable tie, 40 lbs tensile strength (Industrial grade zip tie) pack of 100 black-Material: 6/6 Nylon, fireproof 94V-2,UV resistant: suit for outdoor use,Strong tensile strength: 40 lbs,Working temperature: -40 to 85 °C -100 Pieces per Bag)	ISI Standrad
117	Supply of 10 inch selflocking cable tie, 40 lbs tensile strength (Industrial grade zip tie) pack of 100 black-Material: 6/6 Nylon, fireproof 94V-2,UV resistant: suit for outdoor use,Strong tensile strength: 40 lbs,Working temperature: -40 to 85 °C - (100 Pieces per Bag)	ISI Standrad
118	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (4 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
119	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (6 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
120	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (8 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
121	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (10 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
122	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (20 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
123	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (25 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	ISI Standrad
124	Supply of Single Port Telephone Junction Surface Rosette Mount Modular Jack Block Box.	ISI Standrad
125	Supply of 2 Pair Telephone Cable -0.5 mm,voice-grade copper ,Unarmoured,Insulation:FRLS PVC ;Conductor Material Solid Annealed Bare Copper,Conductor Diameter: 0.5 mm, Color Coding: Pair 1: White–Blue / Blue, Pair 2: White–Orange / Orange. Each pair is twisted to minimize crosstalk and electromagnetic interference.	Polycab / Finolex / ANCHOR /Havells
126	Supply of Wall Socket Screw Connection RJ12, 6P6C Telephone Surface Mount Box , Features:• Colour: Ivory• Number of Contacts: 6• Fixing: By Screw• Connection through screw terminals, but shipped with double sided adhesive• Socket: RJ9 plug	ISI Standrad
127	Supply of RJ12 6P6C Data Cable Male to Male 2Straight Wiring Black (Straight Wiring) 3 Feet	ISI Standrad
128	Supply of power adapter (input : 150 - 270V AC; output : 5V/9V DC)	ISI Standrad

129	supply of RJ 11 Telephone I/O Faceplate	havells / legrand / Anchor / Schneider
130	Supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 X 38mm pack of 1000 pic	ISI Standrad
131	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 50mm of 1000 pic	ISI Standrad
132	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 75mm of 1000 pic	ISI Standrad
133	Supply of RJ11 Telephone Socket I/O, Robust designed assembly plates smug fit on the walled assembly plates smug fit on the wall, Dust Free Glossy Finish.	havells / legrand / Anchor / Schneider
134	Steel (130mm) Wire Stripper ,Alloy Steel ,130L x 50W Centimeters.	TAPARIA/ THEMISTO /AGRICO/ ACHRO
135	Supply of 5IN 1 SCREWDRIVER SET - Screw Driver Kit contains 2 flat blades of 4mm and 6mm, 2 Phillips heads of PH0 and PH1, and a round poker bar with a transparent PVC handle with LED light	TAPARIA/ THEMISTO /AGRICO/ ACHRO
136	Supply of Plastic wall plugs 8mm,Length 40 mm;Product Diameter 8 mm, Suits Screw Diameter 4.5-6 mm, Pack of 300 pic	ISI Standrad
137	Supply of Plastic wall plugs 6 MM ,Length 30 mm;Product Diameter 7 mm, Suits Screw Diameter 4-6mm Pack of 300 pic	ISI Standrad
138	Krone Voice Module Test Cord, Test Pin	ISI Standrad
139	Supply of Plastic wall plugs 6 mm ,Length 28 mm;Product Diameter 6 mm, Suits Screw Diameter 3.5-5 mm, Pack of 300 pic	ISI Standrad
140	Supply of shielded RJ11/RJ12 Modular Transparent Clear Male Plug Crimp Connector for Stranded Telephone Cord Cable Wire	ISI Standrad
141	PVC Insulation Tape - 17mm x 6m, Weather Proof, Moisture & Fire Resistant, Excellent Elasticity, Durable, Good Grip and Strong Adhesion (PACK OF 20 pic)	ISI Standrad
142	Supply of 25mm GI Saddle without Base	ISI Standrad
143	Supply of 20mm GI Saddle without Base	ISI Standrad
144	8" Sturdy Steel Combination Plier with Anti-Rust properties for gripping, holding and cutting wires	STANLEY / Taparia /IBELL
145	Supply of UTP cable CAT6 A ; 4 Pair Cable with integral cross -member pair separator for uniform characteristic impedance. Category 6A Unshielded Twisted 4 Pair 100 Ω cable shall be compliant with ANSI/TIA/EIA-568-C.2; ISO/IEC 11801 Ed. 2.0; 10BASE-T, IEEE 802.3 af (PoE), 100BASE-T, IEEE 802.3at (PoE+) & 1000BASE-T	RIT /CommScope/ Belden
146	Supply of shielded RJ 45 Cable Connector. Which Pass-Through Connector Wire Connector.	commscope / Norden /Amphenol / TE Connectivity /RIT

147	Supply of LED signage board 3 LED Module, Power Consumption: 0.72W per module;Input Voltage: DC 12V;Luminous Flux: Approximately 66–72 lumens per module;Waterproof Rating: IP65–IP67, Lifespan: Up to 50,000 hours;Mounting: Pre-applied adhesive tape for easy installation.	ISI Standrad
148	Supply of Krone Punch Crimping tool ,Impact Punchdown, for 110 krone type Amp Modules Telephone Krone Tool Kronning Telephone Wire Junction Box	ISI Standrad
149	Supply of 1+1 intercom system featuring a corded base unit and a cordless(wireless) handset ;2.4GHz Digital Cordless Combo: Ensures clear and interference-free communication; Intercom & Call Transfer: Facilitates internal communication and external call transfers between the base and handset.;3-Way Call Conferencing: Allows simultaneous conversations between the base, handset, and an external caller. Two-Way Speakerphone: Available on both the base and handset for hands-free conversations. Phonebook Memory: Stores up to 150 contacts each on the base and handset. Caller ID (CLI) Memory: Retains information for the last 20 incoming calls on both units. Outgoing Call Memory: Stores the last 10 dialled numbers on each unit. LCD Display with Backlight: Provides clear visibility of caller information and menu options. Talk Time: Up to 8 hrs .Additional Features: Includes mute function, paging, voicemail indication, and adjustable handset volume. Package Contents: Corded Base Unit; Cordless Handset; Charging Adapter.	Beetel / Panasonic /Motorola
150	Supply of Glow sign board 600 - 800 W electronic driver (AC-DC)	ISI Standrad
151	Supply of Glow sign board 300 W electronic driver (AC-DC)	ISI Standrad
152	Supply of electronic Continuity Tester With Aa Cell Indicator LED, Solder less connections for easy replacement of exhausted batteries & damaged led lamp	ISI Standrad
153	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 1 meter	FEDUS / AETEL / KEI Industries Ltd. /K.D.L. Enterprises
154	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 3 meter	FEDUS / AETEL / KEI Industries Ltd. /K.D.L. Enterprises
155	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 5 meter	FEDUS / AETEL / KEI Industries Ltd. /K.D.L. Enterprises
156	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 10 meter	FEDUS / AETEL / KEI Industries Ltd. /K.D.L. Enterprises

157	Supply of cable outdoor Terminal Junction Box With 8 Terminal - Up To 10 Sqmm. Water Proof Enclosure 150 X 100 X 70 mm .ABS Material, PVC Gland 13.5 – 4x, Silicon Sponge O-ring with Nylon Screws. IP67 water proof terminal box junction box suitable for internal connections and joints. Fitted PG 13.5 Glands and 10 Sqmm Terminals. Pre fitted PVC Glands PG13.5 (4x) and 10 sqmm terminals (8x) on 35mm Din Rail.used for wiring box and distribution boxes.	ISI make
158	Supply of GI Flexible Pipe 16mm (Half Inch) to Safeguard Wires Roll GI flexible	ISI make
159	Supply of LED Rope Strip Light with 2-Year Warranty, Indoor/Outdoor Waterproof Decorative Cove Lights including AC-DC driver .Water proof	Crompton /Havells/ Bajaj / Philips /Wipro /Panasonic
160	Supply of 30 Watt Outdoor IP65 Rated Waterproof LED Flood Light (Cool Day Light 6500K) with inbuilt driver which protects against unstable power condition or sudden peaks in AC Voltage of upto 4kV.30 W LED light ,high-quality light output of upto 100 Lumens/Watt. Light is made of superior quality die-cast aluminium that makes this product perfect for outdoor application. with a flexible yet strong Bracket clamp to mount the fixture at wall/high mast/poles. Two Year Manufacturer's Warranty.	Crompton /Havells/ Bajaj / Philips /Wipro /Panasonic

FORM OF PERFORMANCE SECURITY (BANK GUARANTEE)

1. In consideration of the Executive 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). We lastly undertake not to revoke this (Indicate the name of Bank) guarantee except with the previous consent of the Government in writing.

8. 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 _____

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

This Agreement is made at.....on this.....day of.....2025.

BETWEEN

AIIMS, Bhubaneswar represented through Executive Engineer (Electrical), 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.: AIIMS/BBSR/ENGG/ELECT/73/2025**) (here in after refer red to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for: "**Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at 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.

The Tendered Value which has been accepted by Competent Authority for "**Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.**" is Rs _____/- (Rupees _____ only).

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 processor 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)/Contract(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 Pact as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

3. The Agreement will take effect from the _____ day of _____ month of 20__ and shall be valid for _____ (_____) year(s) and extendable for another _____ (_____) year(s) on mutually agreeable with same term & conditions of original contract subject to satisfactory performance.

Article - 7: Term & Conditions of Payment

a. The running payment for the work done shall be released Monthly/Quarterly by AIIMS. Bhubaneswar only after salary payment, PF & ESI to all workers & submitting the proof of disbursement and deducting the applicable PE, ESIC challan copy.

b. Security Deposit 2.5% will be deducted from the running bills. which shall be released after six months from the date of completion of work, without any interest thereupon.

c. The Income Tax as application shall be deducted from the bills unless exempted by the Income Tax Department.

d. **Final bill Payment:** The agency shall submit final bill along with all the documents related with PF, ESIC to AIIMS. Bhubaneswar in addition to all maintenance schedule registers, documents etc. related to the work. The agency also formally handover the list of equipment's in good Working condition. without any damage as handed over to them by AIIMS. Bhubaneswar.

e. Penalty Clause:

- a) i. In case of any failure or delay in services, a penalty shall be imposed as per Clause-2 of the General Conditions of Contract (GCC) of CPWD Works-2020, based on the schedule of services.
- b) If the vendor fails to supply the material or provide maintenance services as per the requisition within the stipulated time period, **₹1,000/- per day** shall be deducted from the agency's bill.
- c) The agency must repair defective fan within 4 days after receiving the complaint. Failing this, **Rs. 100/- per day per fan** shall be deducted from the RA bill.
- d) The agency must resolve all Normal complaints within 48 hours. If a task requires more time, prior written permission must be obtained from the AE/JE. Failing this, **₹100/- per day** per complaint shall be deducted from the RA bill.
- e) **The agency shall ensure that all required wiring materials are available at the site for the wiring work. If any complaint is received regarding, the wiring the vendor needs to comply minimum 70% complaints registered in each day and another 30% within 48 Hours, failing which a lumpsum penalty amount of Rs 100/- per day per complaint will be deducted from the Agency's bill. If any complaint required more than 48 Hours, then the Vendor must take the approval of time period from the Engineer-In-Charge or His representative.**
- f) The agency must maintain attendance records of all staff. In case of any staff absence, a penalty of **₹1000/- per day per person** shall be deducted from the RA bill.
- g) Monthly wages of employees must be credited to their respective bank accounts within the first week of every month, i.e., by the 7th of each month. A copy of the bank statement must be submitted to the office of the Engineer-in-Charge (EIC) along with the RA bill. Failing this, a penalty of **₹100/- per day per manpower** shall be deducted from the contractor's RA bill.
- h) The agency must keep all installations and surrounding areas clean and tidy. Waste materials shall not be discarded near buildings and must be disposed of in designated dustbins. If the area is found untidy or inadequately lit, a lump sum penalty of **₹1,000/- per day** shall be deducted from the agency's bill.
- i) All tools & equipment (**as per Annexure – C**) shall be kept ready at site within 15 days from the date of award, failing this, a penalty of **₹1,000/- per day** shall be imposed by AIIMS, Bhubaneswar.
- j) All melba/rubbish/waste, garbage etc generated due to any operation and maintenance work, the same shall be disposed off by the contractor to the authorized municipal dumping ground and nothing extra shall paid on this account. In case of non-removal/disposal in the specified period, a compensation of **Rs 1000/- (Rupee One Thousand only)** per day shall be recovered from the contractor.
- k) **Uniform:** -The contractor/agency has to provide every year during the start of the contract, 02

sets of uniform (readymade uniform / cloth and stitching charges), ID card, 1 pair of safety shoes to his staff of approved colour during the contract period, (within one month from the date of award) failing which, AIIMS, Bhubaneswar shall recover an amount of **Rs 500/ per day** till the compliance of the same from the contractor's running bill.

- l) **All specified registers, Computer (Wi-Fi networking system), Printer (All-in-one lesser printer), High speed internet, Android phone with incoming and outgoing facility during contract period, furniture etc must be made available at the site before taking over. Failing this, a penalty of ₹1,000/- per day shall be imposed by AIIMS, Bhubaneswar, counted from the date of commencement of work.**

Article - 8: 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 intentions.
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 - 9: 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/Contract 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 Bidder/Contractor)

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

WITNESSES:

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

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

Dated :

Dated :

Place : Bhubaneswar

Place : Bhubaneswar

PROFORMA OF SCHEDULES

<u>SCHEDULE 'A'</u> Schedule of Quantities	Schedule of Quantities for the work – Annexure -I
<u>SCHEDULE 'D'</u> Extra Schedule for specific Requirements/ document for the work, if any:	Not Applicable
<u>SCHEDULE 'E'</u> Reference to General conditions of Contract:	General Conditions of Contract-2023 Maintenance Works modified and amended up to the last date of received of tender with all correction slips.
Name of Work:	Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.
Estimated Cost of Work	Rs. 12,195,711.00 (Rupees One Crore Twenty-One Lakh Ninety-Five Thousand Seven Hundred Eleven only (including GST))
Earnest Money	2% of Estimated Cost
Performance Guarantee	05% of Tendered Value
Security Deposit	2.5% of Final Value
<u>SCHEDULE 'F'</u> 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 &12.3	No limit
Definitions:	
Engineer-in-Charge	Executive Engineer(Elect), AIIMS Bhubaneswar
Accepting Authority	Executive Director, AIIMS Bhubaneswar
Percentage on cost of materials and labour to cover all over heads and profit	15%
Standard Schedule of Rates	Market Rates for non DSR Items
Department:	
Standard AIIMS Contract Form	General Conditions of Contract-2023 Maintenance Works, CPWD Form 7 as amended up to last date of received of tender.
Clause 1	
(i) Time allowed for submission of Performance guarantee, Program Chart (Time & Progress) and applicable Labour Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	15 Days
(ii) Maximum allowable Extension with late fee @ 0.1% per day of 01 to 15 days Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days
Clause –2. Authority for fixing compensation under Clause 2	Superintending Engineer, AIIMS, Bhubaneswar

Whether Clause 2A Shall be applicable	Not Applicable
Clause-5 Duration of the Contract	1 Year and extendable up to another 1 year (after issue of work order).
Number of days from the date of issue of letter of acceptance for reckoning date of start	07 Days
Authority to decide fair & reasonable extension of time for completion of work	Superintending Engineer, AIIMS Bhubaneswar
Clause – 6A. Whether Clause 6A shall be applicable	Not Applicable
Clause 12	Applicable
Clause – 16. Competent Authority for deciding reduced rates	Superintending Engineer, AIIMS Bhubaneswar
Clause – 25. Settlement of dispute & Arbitration	Executive Director, AIIMS, Bhubaneswar
Clause-32	: Applicable

Requirement of Technical Representative(s) and recovery Rate

SNo	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32(i)	
						Figures	Words
1	Graduate Engineer	Electrical	Principal Technical Representative	2 - years	ONE	Rs. 15,000/- PM	Rupees Fifteen Thousand Per Month each
OR	Diploma Engineer	Electrical	(Project Planning/ Site/ billing Engineer)	5-years	ONE	Rs.15000/- PM.	Rupees Fifteen Thousand Per Month each

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

CLAUSE 38 : **Not Applicable**

Financial Bid (Schedule of Quantities)

NIET No: AIIMS/BBSR/ENGG/ELECT/73/2025

Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar					
Boq no.	Description Of Item	Unit	QTY.	Unit Price including GST	Total Amount
Part-A (Manpower)					
1	Providing Electrical maintenance of All the Buildings of Hospital Complex, Medical College , Nursing College, Burn Unit, Admin block, Academic building, Dharamshala etc throughout the year with the following skilled/ licensed manpower (wherever applicable) and tackles and training etc. as required.(Annexure – A) (i) High skilled manpower - 1 no. (ii) Skilled manpower - 8 no.s (iii) Semi-skilled manpower - 3 no.s	Month	12.00	405495	4,865,940.00
Part-B (Electrical Material Components)					
2	1.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	2700	24.92	67,284.00
3	2.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	3500	38.76	135,660.00
4	4 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	4000	58.14	232,560.00
5	6 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	600	87.2	52,320.00
6	10 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	500	146.73	73,365.00
7	16 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	300	227.02	68,106.00
8	20 mm iron staples/ saddles/ screws	Each	75	11.07	830.00
9	25 mm iron staples/ saddles/ screws	Each	75	13.85	1,039.00
10	32 mm iron staples/ saddles/ screws	Each	50	22.15	1,108.00
11	20 mm dia. ISI marked, PVC conduit	Mtr	2000	29.06	58,120.00
12	25 mm dia. ISI marked, PVC conduit	Mtr	700	40.14	28,098.00
13	32 mm dia. ISI marked, PVC conduit	Mtr	80	63.67	5,094.00
14	20 mm PVC bends	Each	100	11.07	1,107.00
15	25 mm PVC bends	Each	100	15.23	1,523.00
16	32 mm PVC bends	Each	50	24.92	1,246.00
17	20 mm PVC junction box, one way	Each	50	24.92	1,246.00
18	20 mm PVC junction box, two way	Each	75	26.3	1,973.00
19	Modular GI box for 1/2 module	Each	75	45.68	3,426.00
20	Modular GI box for 3 module	Each	250	56.76	14,190.00
21	Modular GI box for 4 module	Each	50	66.45	3,323.00

22	Modular GI box for 6 module	Each	250	102.44	25,610.00
23	Modular GI box for 8 module	Each	250	124.6	31,150.00
24	Modular GI box for 12 module	Each	100	157.8	15,780.00
25	Modular base & cover plate for 1 module	Each	50	58.14	2,907.00
26	Modular base & cover plate for 2 module	Each	50	58.14	2,907.00
27	Modular base & cover plate for 3 module	Each	350	77.51	27,129.00
28	Modular base & cover plate for 4 module	Each	50	84.44	4,222.00
29	Modular base & cover plate for 6 module	Each	350	109.36	38,276.00
30	Modular base & cover plate for 8 module	Each	200	139.81	27,962.00
31	Modular base & cover plate for 12 module	Each	100	203.49	20,349.00
32	Ceiling rose, 3 pin, 5 A ISI marked	Each	20	27.68	554.00
33	S.P. 5/6 A, one way modular switch, ISI marked	Each	700	47.06	32,942.00
34	S.P. 15/16 A, one way modular switch, ISI marked	Each	700	102.44	71,708.00
35	3 pin 5/6 A modular socket outlet, ISI marked	Each	700	87.2	61,040.00
36	6 pin 5/6A and 15/16 A modular socket outlet	Each	600	145.35	87,210.00
37	Modular blanking plate	Each	50	22.15	1,108.00
38	Modular bell push switch	Each	40	85.82	3,433.00
39	Stepped type Modular Fan regulator (2 module)	Each	200	304.55	60,910.00
40	PVC Batten/ Angle Holder	Each	30	30.46	914.00
41	Call bell/ buzzer, single phase	Each	50	60.91	3,046.00
42	Iron screws, 40 mm X 6 mm	Each	50	2.49	125.00
43	Iron screws, 45 mm X 6 mm	Each	50	2.49	125.00
44	25 mm X 3mm bolts & nuts	Each	50	4.99	250.00
45	32mm X 8mm bolts & nuts	Each	50	7.47	374.00
46	38mm X 10 mm bolts & nuts	Each	50	12.45	623.00
47	38 mm X 7 mm, bolts and nuts	Each	50	9.96	498.00
48	15 mm long X 6 mm dia G.I. bolts and nuts with washers	Each	150	7.47	1,121.00
49	10 mm X 25 mm long G.I. bolt and nuts with washers etc.	Set	150	14.96	2,244.00
50	16 mm X 50 mm bolts and nuts with washers	Set	50	12.45	623.00
51	16 mm X 40 mm bolts and nuts with washers	Set	50	12.45	623.00
52	6 way, SPN, double door, MCB DB	Each	3	1864.62	5,594.00
53	8 way, SPN, double door, MCB DB	Each	4	2248.07	8,992.00
54	12 way, SPN, double door, MCB DB	Each	4	1978.13	7,913.00
55	4 way (4+12), TPN, MCB DB, double door, horizontal type	Each	4	3754.16	15,017.00
56	6 way (4+18), TPN, MCB DB, double door, horizontal type	Each	4	4676.09	18,704.00
57	8 way (4+24), TPN, MCB DB, double door, horizontal type	Each	4	5714.29	22,857.00
58	6 A to 32 A ratings, SP MCB, "C" curve, 10 kA breaking capacity	Each	80	186.88	14,950.00

59	6 A to 32 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	25	604.94	15,124.00
60	6 A to 32 A ratings, TPN MCB, "C" curve, 10 kA breaking capacity	Each	10	1202.93	12,029.00
61	4 pole MCCB,100A,30kA	Each	3	7783.78	23,351.00
62	4 pole MCCB, 125A, 36kA	Each	2	8251.67	16,503.00
63	4 pole MCCB, 200A, 36kA	Each	2	15563.41	31,127.00
64	4 pole MCCB,250A, 50kA	Each	2	18871.83	37,744.00
65	4 pole MCCB,400A, 50kA	Each	2	44197.15	88,394.00
66	4 pole MCCB,630A, 50kA	Each	2	44642.89	89,286.00
67	20 A SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	941.31	1,883.00
68	20 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	1380.13	2,760.00
69	30 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	2965.12	5,930.00
70	Sheet steel DP MCB enclosure	Each	10	415.28	4,153.00
71	Sheet steel TPN MCB enclosure	Each	7	490.03	3,430.00
72	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 kV grade cable	Each	8	44.64	357.00
73	Brass compression gland (19 mm) for 2 X 10 sq. mm 1.1 kV grade cable	Each	8	44.64	357.00
74	Brass compression gland for (28 mm) 3½ X 25 sq. mm 1.1 kV grade cable	Each	8	104.87	839.00
75	Brass compression gland for (32 mm) 3½ X 35 sq. mm 1.1 kV grade cable	Each	6	117.32	704.00
76	Brass compression gland for (35 mm) 3½ X 50 sq. mm 1.1 kV grade cable	Each	8	153.66	1,229.00
77	Brass compression gland for (38 mm) 3½ X 70 sq. mm 1.1 kV grade cable	Each	6	192.41	1,154.00
78	Brass compression gland for (45 mm) 3½ X 95 sq. mm 1.1 kV grade cable	Each	8	230.49	1,844.00
79	Brass compression gland for (45 mm) 3½ X 120 sq. mm 1.1 kV grade cable	Each	8	230.49	1,844.00
80	Brass compression gland for (50 mm) 3½ X 150 sq. mm 1.1 kV grade cable	Each	3	295.89	888.00
81	Brass compression gland for (57 mm) 3½ X 185 sq. mm 1.1 kV grade cable	Each	2	378.95	758.00
82	Brass compression gland for (62 mm) 3½ X 240 sq. mm 1.1 kV grade cable	Each	4	447.46	1,790.00
83	Brass compression gland for (70 mm) 3½ X 300 sq. mm 1.1 kV grade cable	Each	6	534.68	3,208.00
84	Brass compression gland for (82 mm) 3½ X 400 sq. mm 1.1 kV grade cable	Each	6	763.07	4,578.00
85	Brass compression gland for (25 mm) 4 X 10 sq. mm 1.1 kV grade cable	Each	5	68.53	343.00

86	Brass compression gland for (28 mm) 4 X 16 sq. mm 1.1 kV grade cable	Each	5	104.87	524.00
87	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 kV grade cable	Each	6	104.87	629.00
88	Aluminium lugs for 6 sq. mm cable	Each	30	2.19	66.00
89	Aluminium lugs for 10 sq. mm cable	Each	30	2.9	87.00
90	Aluminium lugs for 16 sq. mm cable	Each	30	4.14	124.00
91	Aluminium lugs for 25 sq. mm cable	Each	50	5.72	286.00
92	Aluminium lugs for 35 sq. mm cable	Each	30	6.86	206.00
93	Aluminium lugs for 50 sq. mm cable	Each	50	10.29	515.00
94	Aluminium lugs for 70 sq. mm cable	Each	18	15.99	288.00
95	Aluminium lugs for 95 sq. mm cable	Each	30	17.13	514.00
96	Aluminium lugs for 120 sq. mm cable	Each	30	23.87	716.00
97	Aluminium lugs for 150 sq. mm cable	Each	30	31.15	935.00
98	Aluminium lugs for 185 sq. mm cable	Each	18	38.41	691.00
99	Aluminium lugs for 225 sq. mm cable	Each	18	55.02	990.00
100	Aluminium lugs for 240 sq. mm cable	Each	18	66.45	1,196.00
101	Aluminium lugs for 300 sq. mm cable	Each	12	93.44	1,121.00
102	Aluminium lugs for 400 sq. mm cable	Each	12	134.97	1,620.00
103	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	Set	2	970.37	1,941.00
104	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	Set	2	1067.29	2,135.00
105	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	Set	2	1215.4	2,431.00
106	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	Set	2	1215.4	2,431.00
107	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	Set	2	1835.55	3,671.00
108	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	Set	2	2220.38	4,441.00
109	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	Set	2	2220.38	4,441.00
110	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	Set	2	2673.04	5,346.00
111	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy >135 lm/Watt)				-

	Supplying of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15 deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P. F.≥0.95, IP-66,IK-10, CRI >80 , under voltage and over voltage protection, EMI-EMC as per CISPR-15, lenses for beam angle 30 deg-120deg as per the application and the project requirement deg., suitable tilt able fitting, life time (LED, Driver & electrical circuitary) of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , SDCM(Standard Deviation Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				-
111.1	100 Watt	Nos.	25	2308.97	57,724.00
111.2	200 Watt	Nos.	15	5245.02	78,675.00
112	LED Batten light (System lumen efficacy >135 lm/Watt)				-

	Supplying of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85% ,Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80 , Flicker free (flicker should be below 5 %), life time (LED, Driver & electrical circuitary), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
	Powder coated die cast /Extruded aluminium Body (Thickness >1.20 mm)				-
112.1	18- 22 watt	Nos.	200	474.8	94,960.00
113	LED Down lighter (SMD Type) (System lumen efficacy >135 lm/Watt)				-

	Supplying of LED Recessed/surface Down lighter (Round/square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range - 15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitary), life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6000°K /6500°K (As per ANSI Bin) , SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc.as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				-
	Powder coated die cast /Extruded aluminium Body including trim with Aluminium Reflector				-
113.1	15 watt	Nos.	1200	496.96	596,352.00
113.2	18 watt	Nos.	50	744.75	37,238.00
113.3	22 watt	Nos.	240	769.66	184,718.00
113.4	30 Watt	Nos.	50	1319.22	65,961.00
113.5	5-7 Watt	Nos.	50	308.69	15,435.00
114	Panel Down light 2x2 ft. LED Panel light 2x2 ft., (System lumen efficacy >135 lm/Watt)				-

	Supplying of Panel light 2x2 ft., of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10% , P. F.≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitary), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends ,CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report from NABL lab for all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
	Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)				-
114.1	36 watt	Nos.	400	2587.21	1,034,884.00
115	Brush Less Direct Current (BLDC) Motor				-

	Supply of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminum alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Ceiling Fan compliant to IS 374:2019 fan Supply, earthing etc. complete as req.				-
115.1	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	Nos.	10	1,971.21	19,712.00
116	Salt	Kg	400	14.96	5,984.00
117	Paint	Lt.	10	249.17	2,492.00
118	Supply 2.5 sq. mm 3 CORE Copper flexible FRLSH CABLE	Mtr	400	262.2	104,880.00
119	Supply 4 sq mm 3 core copper flexible FRLSH cable	Mtr	200	399.25	79,850.00
120	Supply 1.5 Sq mm 2 Core copper flexible FRLSH cable	Mtr	50	65.55	3,278.00
121	Supply 2.5 Sq mm 2 Core copper flexible FRLSH cable	Mtr	100	77.47	7,747.00
122	Supply 6 sq mm 3 core copper flexible FRLSH cable	Mtr	100	417.13	41,713.00
123	Supply 4 core 4 sq. mm Copper flexiable FRLSH cable	Mtr	200	440.97	88,194.00
124	Supply 4 core 6 sq. mm copper flexiable FRLSH cable	Mtr	400	625.7	250,280.00
125	Supply 4 core 16 sq. mm XLPE Insulated, PVC sheathed Aluminium armoured cable	Mtr	50	452.88	22,644.00
126	Supply of 12x5 MICA SHEET COVER	Nos.	40	35.75	1,430.00
127	Supply of 9x5 MICA SHEET COVER	Nos.	350	21.45	7,508.00
128	Supply of 5x5 MICA SHEET COVER	Nos.	80	14.3	1,144.00
129	Supply of 38 mm PVC GRIP	Pkt.	75	59.59	4,469.00
130	Supply 25 mm PVC junction box, two way	Each	15	35.75	536.00
131	Supply 20 mm PVC Flexible pipe	Mtr	350	19.07	6,675.00
132	Supply 25 mm PVC Flexible pipe	Mtr	400	23.84	9,536.00
133	Supply 4 feet ceiling fan down rod	Each	25	220.48	5,512.00
134	Supply 5 feet Ceiling fan down rod	Each	25	238.36	5,959.00
135	Supply 6 Amp 3 pin plug Top	Each	100	71.51	7,151.00
136	Supply 16 Amp 3 pin plug Top	Each	150	83.43	12,515.00
137	Supply Stepped type Modular Fan regulator (1 module)	Each	15	226.44	3,397.00
138	Supply Fan capacitor	Each	450	60.78	27,351.00
139	Supply 1/2" PVC Casing Caping	Mtr	100	53.63	5,363.00

140	Supply 3/4" PVC Casing Caping	Mtr	75	59.59	4,469.00
141	Supply 1" PVC Casing Caping	Mtr	50	89.39	4,470.00
142	Supply WD-40 contact cleaner spray(CRC)	Each	6	518.43	3,111.00
143	Supply Grease/petroleum gel	kg	2	417.13	834.00
144	Supply Water Proof Tape (40 mm X 20mtr.)5mtr	Each	7	870.01	6,090.00
145	Supply PVC insulation Tape	Each	1000	14.3	14,300.00
146	Supply PVC clip for fixing cable/Casing Caping	Pkt	10	59.59	596.00
147	Supply 200 mm cable tie lock belt	Pkt	5	238.36	1,192.00
148	Supply 250 mm cable tie lock belt	Pkt	5	262.2	1,311.00
149	Supply Iron screws, 35 mm X 8 mm	Pkt	50	71.51	3,576.00
150	Supply 10 mm dia ring type steel Anchor fastener	Each	40	35.75	1,430.00
151	Supply 40 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	10	1251.39	12,514.00
152	Supply 63 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	10	1310.98	13,110.00
153	Supply 40 Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	15	2502.78	37,542.00
154	Supply 63Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	15	2562.37	38,436.00
155	Supply 100 Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	2	6554.9	13,110.00
156	Supply 4 pole MCCB, 63A, 25kA braeaking capacity, Thermal magnetic trip type	Each	2	10130.3	20,261.00
157	1.5 sq. mm Ring/Pin type copper lugs	Each	100	6.56	656.00
158	2.5 sq. mm Ring/Pin type copper lugs	Each	100	6.56	656.00
159	4.0 sq. mm Ring/Pin type copper lugs	Each	100	7.15	715.00
160	6.0 sq. mm Ring/Pin type copper lugs	Each	100	7.15	715.00
161	10 sq. mm Ring/Pin type copper lugs	Each	100	12.52	1,252.00
162	16 sq. mm Ring/Pin type copper lugs	Each	100	15.49	1,549.00
163	Rewinding of Ceiling fan 900/1200 mm sweep including Capacitor.	Each	250	691.24	172,810.00
164	Rewinding of wall mounted fan 450 mm sweep including Capacitor.	Each	200	774.67	154,934.00
165	Replacement of wall mounted fan shaft & bush	Each	50	297.95	14,898.00
166	Rewinding of stand fan 450 mm sweep including Capacitor	Each	50	1013.03	50,652.00
167	Rewinding of Industrial Heavy Duty Wall Mounting Fan 450 mm sweep	Each	6	1549.34	9,296.00
168	Rewinding of Exhaust fan 450 mm heavy duty.	Each	20	929.6	18,592.00
169	Rewinding of Exhaust fan 230/300 mm heavy duty including Capacitor	Each	75	715.08	53,631.00
170	Bearing of 1200/900 mm ceiling fan	Each	50	107.26	5,363.00
171	Bearing of 230/300/450 mm exhaust fan	Each	20	107.26	2,145.00
172	Supplying of wall mounted 450 mm sweep.	Each	5	3277.45	16,387.00
173	Supply of 300 mm Heavy Duty Exhust fan	Each	5	2443.19	12,216.00
174	Supplying of Exhaust fan 230 mm heavy duty	Each	5	1930.72	9,654.00

175	Supplying 36 watt 4'*1' LED recess mounted light	Each	15	2860.32	42,905.00
176	Supplying 14 watt FL tube	Each	300	101.3	30,390.00
177	supply of 18 watt PLL (4 pin) LED lamp	Each	20	893.85	17,877.00
178	Supply of MCCB Rotary Handel(300-630 Amp)	Each	2	3277.45	6,555.00
179	Supply of MCCB Rotary Handel (40-250 Amp)	Each	2	3277.45	6,555.00
180	Supply of RYBN Panel Connector	Each	25	166.85	4,171.00
181	Supply of 12" Lift Cabin fan	Each	15	3456.22	51,843.00
182	supply of black phosphate bugle head twin thread uncollated drywall screws 1 inch (each pkt 100 pic)	Pkt	5	512.47	2,562.00
183	supply of black phosphate bugle head twin thread uncollated drywall screws 1.5 inch (each pkt 100 pic)	Pkt	5	560.15	2,801.00
184	supply of black phosphate bugle head twin thread uncollated drywall screws 3 inch (each pkt 100 pic)	Pkt	5	631.65	3,158.00
185	Supply of 3' Stainless steel screws	Each	100	4.77	477.00
186	Supply of 9 volt Alkaline batteries	Each	5	57.21	286.00
187	Supply of Fan nuts and bolts with washer & clip	Each	400	16.69	6,676.00
188	Supply of 6 mm c clip (each Pkt 100 pic)	Pkt	5	143.02	715.00
189	Supply 8 mm c clip (each Pkt 100 pic)	Pkt	5	178.77	894.00
190	Supply 10 mm c clip (each Pkt 100 pic)	Pkt	5	238.36	1,192.00
191	Supply Antibacterial single Pole 15/16 A One way Modular Switch	Each	70	178.77	12,514.00
192	Supply Antibacterial 6 Pin 5/6 A and 15/16 A Modular Switch	Each	70	262.2	18,354.00
193	Supply Antibacterial Modular Base & Cover Plate for 3 Module	Each	70	154.93	10,845.00
194	Supply of GI wire size as per requirement	KG	15	143.02	2,145.00
195	Supply 20 mm cable C Clamp (each packet 100 pic)	Each	35	357.54	12,514.00
196	Supply 25 mm cable C Clamp (each packet 100 pic)	Each	15	417.13	6,257.00
197	32 mm cable C Clamp (each packet 100 pic)	Each	2	476.72	953.00
198	Supply of fan hook	each	50	41.71	2,086.00
Part-C (ELV Material Components)-					
199	Supply of universal ceiling/wall Projector mounting kit 4 feet ,Weight Loading Capacity Upto 25 KG, Material: Iron/Metal ,All mounting fitting accessories included, The safety loading weight, Adjustable, Rotatable, Rust Resistant, Tilt Head.	Each	4	2,896.00	11,584.00
200	Supply of universal ceiling/wall Projector mounting kit 6 feet ,Weight Loading Capacity Upto 25 KG, Material: Iron/Metal ,All mounting fitting accessories included, The safety loading weight, Adjustable, Rotatable, Rust Resistant, Tilt Head.	Each	4	4,344.00	17,376.00

201	Supply of M8x65 Socket Cap Screw, Alloy Steel, Point Style:- Round Point (Pack of 100 pic)	Set	1	1,448.00	1,448.00
202	Supply of 2-meter High-Speed True 4K HDMI Cable , Specification : HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant video quality – True 4K (4096 x 2160 @60Hz; 3840 x 2160 @ 60Hz 4:4:4) Gold-plated connectors for reliable transmissions; Conductor Gauge: 30AWG; Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC. Warranty:1 years	Each	15	1,931.00	28,965.00
203	Supply of 5-meter High-Speed True 4K HDMI Cable , Specification : HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant video quality – True 4K (4096 x 2160 @60Hz; 3840 x 2160 @ 60Hz 4:4:4) Gold-plated connectors for reliable transmissions; Conductor Gauge: 30AWG; Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC. Warranty:1 years	Each	19	3,379.00	64,201.00
204	Supply of 20 meter True 4K HDMI Active Optical Cable, Specification : Extends True 4K signals up to 20m Conductor Material : Tinned Copper; Connector Type HDMI (19pin) Male to Male; Cable Shield Type: Aluminium Foil ; Cable Jacket Type: PVC. Warranty:1 years	Each	7	5,309.00	37,163.00
205	Supply of Ethernet Crimp Tool for Cat5 ,Cat5e, Cat6, Crimping tool for UTP 8P/RJ45 and 6P/RJ12 4P/RJ11 connectors Crimp, Cut, Strip Tool, Professional Network Crimper Cutter Stripper, Network Wire Stripper	Each	3	579.00	1,737.00
206	Supply of 8 mm Rawl Bolt Fastener	Each	350	15.00	5,250.00
207	Supply of 6 mm Rawl Bolt Fastener	Each	100	11.00	1,100.00
208	Supply of 10 mm Rawl Bolt Fastener	Each	200	23.00	4,600.00
209	Supply of Handheld Microphone Windscreen Windshield Sponge Foam Mic Cover (Multi colour)	Each	20	41.00	820.00
210	Supply of Anti Slip Ring For Microphone ; Material Made of silicone material, strong elasticity, suitable for hand-held microphones between 35mm-39mm in diameter, can effectively prevent microphone rolling (Multi colour)	Each	20	116.00	2,320.00

211	Supply of Microphone Stand, microphone stand holds microphone securely in place Long boom arm with molded plastic counterweight for horizontal placement Versatile design folds flat for use as straight mic stand Sturdy steel construction; ultra-light for easy transport Compatible with 3/8-inch to 5/8-inch adapter; clip-on cable holder keeps cords out of the way.Height: 920-1500 mm ;	Each	10	2,413.00	24,130.00
212	Supply of 2-way, Bi-amped Powered Speaker for Stage Monitor, LF Diameter: 12" cone, Voice Coil: 2.5", Magnet: Ferrite; HF : Diaphragm: 1.75", Type: 1" throat coaxial compression driver, Magnet: Ferrite; Amplifier class-D, Power rating-1,000 W (LF: 800 W, HF: 200 W),Continuous-465 W (LF: 400 W, HF: 65 W), Frequency range (-10dB): 55 Hz - 20 kHz ,Crossover :1.8 kHz (linear phase FIR filter),Coverage area: H90 ° x V90 ° .	Each	2	53,095.00	106,190.00
213	Supply of Microphone Stand Plastic Clamp Clip Holder	Each	10	193.00	1,930.00
214	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 20 meter Length	Each	10	2,413.00	24,130.00
215	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 10 meter Length	Each	5	1,448.00	7,240.00
216	Supply of RJ45 Boot CAT6 CAT6E CAT5 CAT5E Ethernet Network Cable Strain Relief Boots Cable Cap Connector Plug Cover Mixed Colors (Pack of 50)	Each	4	386.00	1,544.00
217	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 5 meter Length	Each	8	965.00	7,720.00
218	Supply of XLR Male/female to XLR male/Female (Balanced) – Gauge 24 , 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage ,XLR connector with internal strain relief for rugged reliability- 2 meter Length	Each	8	532.00	4,256.00

219	Supply of 5 meter XLR male to 3.5mm Male Cable - Professional Low Noise Microphone Cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage	Each	5	1,158.00	5,790.00
220	Supply of 5 meter XLR female to 3.5mm Male Cable - Professional Low Noise Microphone Cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage	Each	2	1,158.00	2,316.00
221	Supply of 6.35mm TRS Male to XLR Male cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage 2 meter Length	Each	9	628.00	5,652.00
222	Supply of 6.35mm TRS Male to 6.35mm TRS Male cable 100% oxygen free copper, two core shielded cable, twin conductive PVC inner shields protect cable signal quality with 100% coverage 2 meter Length	Each	9	628.00	5,652.00
223	Supply of Snake Cable 16 Pair -24 AWG (19/0.12mm) x 2 core ABC copper conductor, PE insulated, core twisted in circular form, Mylar Polyester Taped, ABC Spiral shielded + Aluminum foil shielded, PVC Inner Sheathed, Matt Finish High Flex Special PVC Overall Sheathed Snake Cable.	mtr	110	560.00	61,600.00
224	Supply of LC to LC Fiber Optic Patch Cable Multimode/singlemode Duplex Optical Patch Cord 1G/10G Fiber Optic Cable LC-LC 3 Meter	Each	9	560.00	5,040.00
225	Supply of Stage Mic Patch Box with 16 Channel with XLR connectors featuring high-quality connectors for reliable and secure signal transmission. It shall be built to withstand the demands of stage environments, ensuring durability and excellent performance.	Each	1	21,721.00	21,721.00
226	Recoiling /servicing/repairing of 1000 watt and above passive speaker	Each	4	4,827.00	19,308.00
227	Recoiling /servicing/ repairing of 10 to 500 watt speaker	Each	4	2,413.00	9,652.00
228	Supply of XLR Female connector,nickel plated connectors	Each	8	68.00	544.00
229	Supply of XLR male connector,nickel plated connectors	Each	8	68.00	544.00
230	Supply of speaker network card	Each	4	3,379.00	13,516.00

231	Supply of Wired Gooseneck Microphone with base for podium, Frequency Response: 50 Hz to 20,000 Hz , Generation element: Dual condenser, back electret; Polar:Cardioid ,Gooseneck length:18 inch;Accessories furnished: Windscreen, Logic levels: Standard TTL levels for switch out and LED Control,Power requirements: Phantom, 12 - 52 VDC; Dynamic range: >101 dB;Output impedance, 1 kHz: 200 ohms; Sensitivity:Open circuit voltage, 1 kHz: 5.6mV/ Pascal.	Each	2	38,614.00	77,228.00
232	Supply of UHF Wireless handheld Microphone system, cardioid pattern, receiver's dual antenna; used on a tabletop, or rack-mounted with optional rack mounting hardware;Receiver Type: Synthesized PLL; Number of Channels: 32; Modulation: ± 40 kHz ,Diversity:True Antenna; RF Sensitivity: <1.0 μ V for 12 dB SINAD; Operating Temperature 5°C to 45°C ; Frequency Response : 80 Hz - 18 kHz ± 2 dB ;	Each	4	35,718.00	142,872.00
233	Supply of Dynamic cardioid vocal microphone with on/off switch ,Polar Pattern Cardioid,Wired/Wireless Wired,Mic Type Handheld,Diameter (Max) 1.99" (50.5mm),ElementDynamic,Impedance, Low-Z balanced 350 Ω ,Open Circuit Voltage 2.4mV/Pascal,Case Material Die cast zinc,Finish Black polyurethane paint,Power Requirement Passive,Audio Frequency Response 70 –17,000,Maximum SPL > 140dB	Each	4	16,411.00	65,644.00
234	Supply of 1/4" 6.35mm Mono Male Connector Nickel Plated with Spring Strain Relief Plug Coax Audio Microphone Adapter - Solder Type	Each	5	136.00	680.00
235	Repairing / fixing / servicing of Power Amplifier 700W to 2000W	Each	3	3,861.00	11,583.00
236	Repairing / fixing / servicing of Audio crossover	Each	1	1,931.00	1,931.00
237	Supply of Flight Case for audio Mixer / Lighting console	Each	1	9,654.00	9,654.00
238	Supply of Microphone/signal cable of Audio, spiral copper shielding ,oxygen free copper center,90% coverage shield and a great signal capability speaker .	Meter	900	41.00	36,900.00
239	Supply of Ultra Alkaline AAA Batteries ,Lasts upto 10 times longer vs Ordinary Zinc Carbon Batteries 100 percent Checked against Leakage Operates over a wider range of temperature	Each	40	19.00	760.00

240	Supply of AA Battery ,Lasts upto 10 times longer vs Ordinary Zinc Carbon Batteries 100 percent Checked against Leakage Operates over a wider range of temperature	Each	90	21.00	1,890.00
241	Supply of 9V Battery,Lasts longer much longer vs ordinary zinc carbon batteries 100 percent checked against Leakage, Operates over a wider range of temperature	Each	35	49.00	1,715.00
242	Supply of Smart and Quick Charger for AA & AAA Rechargeable Batteries,Input AC100V-240V 50-60HZ,Charging Output AA×2 1500mA AAA×2 550mA,Timer Control Charging-on,Full Charged-off.	Each	2	1,448.00	2,896.00
243	Supply of AA Ni-MH (Up to 2000 mAh) Pre-Charged Rechargeable Batteries;Voltage-1.2 Volts	Each	30	290.00	8,700.00
244	Supply of AAA Ni-Mh (Up to 800 mAh) Pre-Charged Rechargeable Batteries; Voltage-1.2 Volts,	Each	30	290.00	8,700.00
245	Repairing of Audio mixture	Each	2	6,758.00	13,516.00
246	Repairing of Wired handed microphone	Each	3	682.00	2,046.00
247	Repairing of gooseneck Wired microphone	Each	5	965.00	4,825.00
248	Repairing of Wireless handed/lapel microphone with Receiver	Each	4	965.00	3,860.00
249	Supply of telephone Handset with above features - Caller ID system with new call and repeat call display, Built-in date, time clock and week display, FSK/DTMF Caller ID System, LCD contrast adjustment, 16 Digit, Multiple row display, LED Ringer Indicator, Ringer volume - Hi/Low adjustable, Two way speaker phone with optical signaling via LED, Speaker and handset volume adjustment, Active memory for call log storage, min 100 incoming calls' list, min 10 outgoing calls' list, min 10 numbers phone book memory; Checking, dial back and deleting for incoming/ outgoing / phonebook calls; Pre-dial function; Fixed feature keys - Pause, hold, redial, flash and volume; Hotline call; Display dialing Auto recall when the line is busy; indirect memory keys, External power/batteries not required; Local area code setting up to 6 digits , Hearing Aid Compatible, Convenient Dialing Keypad;Wall mountable with 1 year warrantee.	Each	180	1,226.00	220,680.00
250	Repairing/Serviceing of CLI analog Telephone handset with telephone coil cord and handel (including all accessories of handset without display)	Each	25	290.00	7,250.00

251	Supply of Discrete Wire Connector - UY P ,Gel Filled,Butt Splice UY Connector 2 Port SS, suited for all types of Telecom cable splicing needs. These connectors are designed and built around proven Insulation Displacement Connection (IDC) technology.(100 Pieces)	Each	1	1,090.00	1,090.00
252	Supply of Telephone 10-Pair Krone Module,Flawless range,Port: 5 Pair, 8 Pair, 10 Pair and Connection Wire: 0. 4-0. 6mm	Each	9	290.00	2,610.00
253	Supply of multi-functional, professional-grade crimping tool designed for crimping, cutting, and stripping Ethernet cables. Compatible with pass-through and standard RJ connectors, Crimping : Supports 8P (RJ45), 6P (RJ12), and 4P (RJ11) modular connectors – pass-through and regular types, Cutting: Integrated precision cable cutter for clean cuts, Stripping: Adjustable stripping blade for CAT5e, CAT6, CAT6A cables, Pass-Through: Trims wire ends automatically during crimping for perfect alignment and termination, Handle Grip: Ergonomic, anti-slip handle for fatigue-free operation, Supported Types Connectors: RJ45 (8P8C), RJ12 (6P6C), RJ11 (4P4C/4P2C)	Each	2	483.00	966.00
254	Supply of Steel Back Mounting Krone Module Frame for 1 Krone Module	Each	5	35.00	175.00
255	Supply of 10 Pair Telephone Junction Box ,Material Mild Steel,Shape Rectangle,Thickness 25-50 mm,Finish Type Polished, Number of Pair 10.	Each	2	273.00	546.00
256	Supply of 50 Pair Telephone Junction Box ,Material Mild Steel,Shape Rectangle,Thickness 25-50 mm,Finish Type Polished, Number of Pair 10.	Each	2	818.00	1,636.00
257	Supply of ADSL Internet Phone Filter Splitter Broadband Modem Box-Connector 1: 1 6P2C Female Jack,Connector 2: 2 x 6P2C Female Jack, This adapter separates voice signal and ADSL digital signal from telephone signal,Protect the voice signal and ADSL digital signal from the interference of a telephone & fax,This ADSL Splitter separates voice signal and ADSL digital signal from telephone signal. RJ11 Line Splitter protects the voice signal and ADSL digital signal from the interference of a telephone and a fax machine. One 6P2C RJ11 socket at one end for line. Two 6P2C RJ11 sockets at the other end for phone and modem.	Each	5	95.00	475.00

258	Supply of DSL-224 Wireless N ADSL/VDSL2 Wi-Fi Router,The router can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n,The router supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, and the WPS function,Support of guest Wi-Fi network allows you to create a separate wireless network with individual security settings and maximum rate limitation. Devices connected to the guest network will be able to access the Internet, but will be isolated from the devices and resources of the router's LAN,The wireless router DSL-224 includes a built-in firewall. The advanced security functions minimize threats of hacker attacks, prevent unwanted intrusions to your network, and block access to unwanted websites for users of your LAN	Each	1	1,908.00	1,908.00
259	Supply of 6 inch selflocking cable tie, 40 lbs tensile strength (Industrial grade zip tie) pack of 100 black-Material: 6/6 Nylon, fireproof 94V-2,UV resistant: suit for outdoor use,Strong tensile strength: 40 lbs,Working temperature: -40 to 85 °C -100 Pieces per Bag)	Each	9	676.00	6,084.00
260	Supply of 10 inch selflocking cable tie, 40 lbs tensile strength (Industrial grade zip tie) pack of 100 black-Material: 6/6 Nylon, fireproof 94V-2,UV resistant: suit for outdoor use,Strong tensile strength: 40 lbs,Working temperature: -40 to 85 °C - (100 Pieces per Bag)	Each	9	869.00	7,821.00
261	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (4 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	3	953.00	2,859.00
262	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (6 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	9	1,090.00	9,810.00
263	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (8 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	9	1,023.00	9,207.00
264	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (10 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	9	1,076.00	9,684.00

265	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (20 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	9	1,499.00	13,491.00
266	Supply of single Coaxial Cable Clips, Cat6, Electrical Wire Cable Clip, 1/4 in (25 mm) Nail Clip and Fastener, White (100 Pieces per Bag)	Each	9	1,595.00	14,355.00
267	Supply of Single Port Telephone Junction Surface Rosette Mount Modular Jack Block Box.	Each	28	106.00	2,968.00
268	Supply of 2 Pair Telephone Cable -0.5 mm,voice-grade copper ,Unarmoured,Insulation:FRLS PVC ;Conductor Material Solid Annealed Bare Copper,Conductor Diameter: 0.5 mm, Color Coding: Pair 1: White-Blue / Blue, Pair 2: White-Orange / Orange. Each pair is twisted to minimize crosstalk and electromagnetic interference.	Meter	2350	12.00	28,200.00
269	Supply of Wall Socket Screw Connection RJ12, 6P6C Telephone Surface Mount Box , Features: <ul style="list-style-type: none"> • Colour: Ivory • Number of Contacts: 6 • Fixing: By Screw • Connection through screw terminals, but shipped with double sided adhesive • Socket: RJ9 plug 	Each	19	409.00	7,771.00
270	Supply of RJ12 6P6C Data Cable Male to Male 2Straight Wiring Black (Straight Wiring) 3 Feet	Each	9	473.00	4,257.00
271	Supply of power adapter (input : 150 - 270V AC; output : 5V/9V DC)	Each	188	136.00	25,568.00
272	supply of RJ 11 Telephone I/O Faceplate	Each	141	88.00	12,408.00
273	Supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 X 38mm pack of 1000 pic	Each	1	913.00	913.00
274	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 50mm of 1000 pic	Each	1	1,294.00	1,294.00
275	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 75mm of 1000 pic	Each	1	1,335.00	1,335.00
276	Supply of RJ11 Telephone Socket I/O, Robust designed assembly plates smug fit on the walled assembly plates smug fit on the wall, Dust Free Glossy Finish.	Each	282	145.00	40,890.00
277	Steel (130mm) Wire Stripper ,Alloy Steel ,130L x 50W Centimeters.	Each	5	97.00	485.00

278	Supply of 5IN 1 SCREWDRIVER SET - Screw Driver Kit contains 2 flat blades of 4mm and 6mm, 2 Phillips heads of PH0 and PH1, and a round poker bar with a transparent PVC handle with LED light	Each	4	280.00	1,120.00
279	Supply of Plastic wall plugs 8mm,Length 40 mm;Product Diameter 8 mm, Suits Screw Diameter 4.5-6 mm, Pack of 300 pic	Each	2	665.00	1,330.00
280	Supply of Plastic wall plugs 6 MM ,Length 30 mm;Product Diameter 7 mm, Suits Screw Diameter 4-6mm Pack of 300 pic	Each	2	532.00	1,064.00
281	Krone Voice Module Test Cord, Test Pin	Each	5	338.00	1,690.00
282	Supply of Plastic wall plugs 6 mm ,Length 28 mm;Product Diameter 6 mm, Suits Screw Diameter 3.5-5 mm, Pack of 300 pic	Each	2	491.00	982.00
283	Supply of shielded RJ11/RJ12 Modular Transparent Clear Male Plug Crimp Connector for Stranded Telephone Cord Cable Wire	Each	188	7.00	1,316.00
284	PVC Insulation Tape - 17mm x 6m, Weather Proof, Moisture & Fire Resistant, Excellent Elasticity, Durable, Good Grip and Strong Adhesion (PACK OF 20 pic)	Each	20	386.00	7,720.00
285	Supply of 25mm GI Saddle without Base	Each	470	1.00	470.00
286	Supply of 20mm GI Saddle without Base	Each	470	1.00	470.00
287	8" Sturdy Steel Combination Plier with Anti-Rust properties for gripping, holding and cutting wires	Each	4	338.00	1,352.00
288	Supply of UTP cable CAT6 A ; 4 Pair Cable with integral cross -member pair separator for uniform characteristic impedance. Category 6A Unshielded Twisted 4 Pair 100 Ω cable shall be compliant with ANSI/TIA/EIA-568-C.2; ISO/IEC 11801 Ed. 2.0; 10BASE-T, IEEE 802.3 af (PoE), 100BASE-T, IEEE 802.3at (PoE+) & 1000BASE-T	Meter	1880	73.00	137,240.00
289	Supply of shielded RJ 45 Cable Connector. Which Pass-Through Connector Wire Connector.	Each	380	7.00	2,660.00
290	Repairing and fixing of Telephone Handset 1+1 including display , coil cord , handel and mother board (All Component)	Each	10	818.00	8,180.00
291	Supply of LED signage board 3 LED Module, Power Consumption: 0.72W per module;Input Voltage: DC 12V;Luminous Flux: Approximately 66–72 lumens per module;Waterproof Rating: IP65–IP67, Lifespan: Up to 50,000 hours;Mounting: Pre-applied adhesive tape for easy installation.	Each	90	73.00	6,570.00
292	Supply of Krone Punch Crimping tool ,Impact Punchdown, for 110 krone type Amp Modules Telephone Krone Tool Kronning Telephone Wire Junction Box	Each	3	271.00	813.00

293	Supply of 1+1 intercom system featuring a corded base unit and a cordless(wireless) handset ;2.4GHz Digital Cordless Combo: Ensures clear and interference-free communication; Intercom & Call Transfer: Facilitates internal communication and external call transfers between the base and handset.;3-Way Call Conferencing: Allows simultaneous conversations between the base, handset, and an external caller.Two-Way Speakerphone: Available on both the base and handset for hands-free conversations. Phonebook Memory: Stores up to 150 contacts each on the base and handset. Caller ID (CLI) Memory: Retains information for the last 20 incoming calls on both units. Outgoing Call Memory: Stores the last 10 dialed numbers on each unit.LCD Display with Backlight: Provides clear visibility of caller information and menu options.Talk Time: Up to 8 hrs.Additional Features: Includes mute function, paging, voicemail indication, and adjustable handset volume.Package Contents: Corded Base Unit; Cordless Handset; Charging Adapter.	Each	8	4,004.00	32,032.00
294	Supply of Glow sign board 600 - 800 W electronic driver (AC-DC)	Each	16	2,583.00	41,328.00
295	Supply of Glow sign board 300 W electronic driver (AC-DC)	Each	16	1,669.00	26,704.00
296	Supply of electronic Continuity Tester With Aa Cell Indicator LED, Solder less connections for easy replacement of exhausted batteries & damaged led lamp	Each	4	386.00	1,544.00
297	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 1 meter	Each	50	104.00	5,200.00
298	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 3 meter	Each	40	129.00	5,160.00
299	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 5 meter	Each	28	168.00	4,704.00
300	Supply of RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 10 meter	Each	28	219.00	6,132.00

301	Supply of cable outdoor Terminal Junction Box With 8 Terminal - Up To 10 Sqmm. Water Proof Enclosure 150 X 100 X 70 mm .ABS Material, PVC Gland 13.5 – 4x, Silicon Sponge O-ring with Nylon Screws. IP67 water proof terminal box junction box suitable for internal connections and joints. Fitted PG 13.5 Glands and 10 Sqmm Terminals. Pre fitted PVC Glands PG13.5 (4x) and 10 sqmm terminals (8x) on 35mm Din Rail. used for wiring box and distribution boxes.	Each	50	596.00	29,800.00
302	Supply of GI Flexible Pipe 16mm (Half Inch) to Safeguard Wires Roll GI flexible	Meter	150	60.00	9,000.00
303	Supply of LED Rope Strip Light with 2-Year Warranty, Indoor/Outdoor Waterproof Decorative Cove Lights including AC-DC driver .Water proof	Meter	400	72.00	28,800.00
304	Supply of 30 Watt Outdoor IP65 Rated Waterproof LED Flood Light (Cool Day Light 6500K) with inbuilt driver which protects against unstable power condition or sudden peaks in AC Voltage of upto 4kV.30 W LED light ,high-quality light output of upto 100 Lumens/Watt. Light is made of superior quality die-cast aluminium that makes this product perfect for outdoor application. with a flexible yet strong Bracket clamp to mount the fixture at wall/high mast/poles. Two Year Manufacturer's Warranty.	Each	30	1,013.00	30,390.00
				Total Amount	1,21,95,711.00

Performa for Quoting Rates

Name of the Work: Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.					
NIT No.: AIIMS/BBSR/ENGG/ELECT/73 /2025					
Name of Contractor: -					
Sl no.	Name of Component	Estimated Cost in Rupees	Percentage above/Below the Total Estimated Cost	% in Figures	Total Cost in Rupees
1.	Annual Electrical Maintenance for All the Buildings of Hospital Complex, Medical College, Nursing College, Burn Unit, Admin block, And Dharamshala for the year 2025-2026 at AIIMS, Bhubaneswar.	Rs. 1,21,95,711.00			<u><i>This is Sample Don't quote Here</i></u>

In words *This is Sample Don't quote Here* Only.

Note: -

1. LMR = To be read as Local Market Rate.
2. The Bidder must submit Financial Bid in On-Line Mode.
3. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
4. No other charges would be payable by the Institute
5. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
6. 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.
7. In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for other make.
8. The rates should be inclusive of GST as applicable.

I, the contractor certify that I am filling this template after understanding all the items of Schedule of Quantity of e NIT Page No - _____

Name : _____

Business Address: _____

Mobile No. : _____

Date : _____

Place : Bhubaneswar

Signature of the Bidder:-

Seal of the Bidder _____

Signature of Bidder with Stamp

E-TENDERING INSTRUCTIONS TO BIDDERS

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION ON CPP PORTAL:

Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge.

As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.

Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify /nCode / eMudhra etc.), with their profile.

Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.

Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER ENQUIRY DOCUMENT

There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.

Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective „My Tenders" folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.

The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

Bidder should consider any corrigendum published on the tender document before submitting their bids.

Please go through the tender advertisement and the Tender Enquiry Document carefully to understand the documents required to be submitted as part of the bid. Please note the number

of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

Bidder, in advance, should get ready the documents/BoQ to be uploaded as indicated in the Tender Enquiry Document and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Scanned documents to be uploaded may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document and resulting in fast uploading. It is the responsibility of the bidder to ensure that uploaded scanned documents are legible.

To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents has been provided to the bidders. Bidders can use "My Space" or "Other Important Documents" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

Submission of Bids

Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

The bidder has to digitally sign and upload the required bid documents one by one as indicated in the Tender Enquiry document.

Bidder has to select the payment option as "offline" to pay the Bid Security/ EMD as applicable and enter details of the instrument.

Bidder should prepare the Bid Security/EMD as per the instructions specified in the Tender Enquiry Document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the Tender Enquiry Document. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the

uploaded tender documents become readable only after the tender opening by the authorized bid openers.

The uploaded Tender/Bid shall become readable only after the tender opening by the authorized bid openers.

Upon the successful and timely submission of bids (ie after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

Any queries relating to the Tender Enquiry Document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the NIT.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk