



अखिल भारतीय आयुर्विज्ञान संस्थान,
All India Institute of Medical Sciences
Engineering Branch, Bhubaneswar (Odisha)-751019
www.aiimsbhubaneswar.nic.in

Notice Inviting e-Tender

(File No. AIIMS/BBSR/ENGG/ELECT/10/2023)

N.I.T. No. :	AIIMS/BBSR/ENGG/ELECT/26/2023
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 2024-25 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).
Estimated Cost:	1,11,01,243.00/-
Earnest Money:	2,22,024.00/-
Performance Guarantee:	@ 5% of Contract Value
Security Deposit:	@ 2.5% of Contract Value
Contract Period:	1 Year
Type of work:	Electrical Maintenance Work
Tender issue date:	14.02.2024
Last Date & Time of Submission of Tender:	By 05.03.2024 at 14.00 through online
Hard Copy Submission	By 05.03.2024 at 16.00

“Certified that, this tender document contains 82 pages only”.

C. R. Rout
Executive Engineer (Elect.)
AIIMS, Bhubaneswar

Government of India, Ministry of Health & Family Welfare, 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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).
NIT No.	:	<u>AIIMS/BBSR/ENGG. /ELECT. /26/2023</u>

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

(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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).
(b)	Tender No.	AIIMS/BBSR/ENGG. /ELECT. /26/2023
(c)	Contract Period	01 (one) Years & Extendable up to further 12 months with Mutual Consent.
(d)	Estimated Cost	Rs. 1,11,01,243.00/- (Rupees One Crore Eleven Lakh One Thousand Two Hundred Thirty-Six Only)
(e)	Earnest Money Deposit (EMD)	Rs. 2,22,024.00/- (Rupees two Lakh Twenty-Two Thousand Twenty-Four Only)
(f)	Performance Security (Bank Guarantee)	3% of Tendered Cost.
(g)	Security Deposit	2.5% of the Tendered Value.
(h)	Tender documents will be Issued From	As per e-Tendering Portal of AIIMS Bhubaneswar http://www.aiimsbhubanewar.nic.in and CPP Portal www.eprocure.gov.in for downloading/ participating
(i)	Last Date, Time & Place of Submission	By 05.03.2024 at 14.00 Hours through online.
(j)	Date, Time for opening of Technical Bid	On 06/ 03 /2024 at 15.00 Hours.

- The indenting Bidder must read the Terms & conditions of AIIMS, Bhubaneswar carefully. He/They should only submit his/her/their bid if he/she/they consider himself/themselves eligible and he/she/they is/are in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The Bid documents consisting of specifications, the schedule of quantities of various types of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.aiimsbhubaneswar.nic.in or <https://eprocure.gov.in/eprocure/app>

C. R. Rout
Executive Engineer (Elect.)
AIIMS, Bhubaneswar

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Executive Engineer (Elect.), AIIMS, Bhubaneswar, (Phone - 0674 2476500 , Email - eeel@aiimsbhubaneswar.edu.in) invites on behalf of Executive Director, AIIMS, Bhubaneswar, Parentage Rate Tender from Valid license holder (MV or Above), reputed Contractor in Two (02) Bid system (Technical cum Eligibility & Financial respectively) from eligible Agency of CPWD, MES, AIIMS, central Govt., State Govt., Central PSU, State PSU etc. having successfully completed works of similar nature as per eligibility criteria for the following work: -

Ser. No.	Description	Details
(a)	NIT No.	AIIMS/BBSR/ENGG. /ELECT. /26/2023
(b)	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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).
(c)	Estimated Cost	Rs. 1,11,01,243.00/- (Rupees One Crore Eleven Lakh One Thousand Two Hundred Thirty-Six Only)
(d)	Earnest Money	Rs. 2,22,024.00/- (Rupees two Lakh Twenty-Two Thousand Twenty-Four Only)
(e)	Period of Completion	01 (One) Years & Extendable up to further 12 months with Mutual Consent.
(f)	Last date and time of online submission of tender	By 05/03/2024 at 1400 Hours through online.
(g)	Time and date of on line opening of Tender (Technical Bid)	On 06/03 /2024 at 1500 Hours.
(h)	Time and date of opening of Online Financial Bids	will be informed to the Technically qualified Bidders
(i)	Period during which hard copies of EMD, Registration Certificates, Undertaking and other Documents to be submitted to Executive Engineer (Elect), Bhubaneswar office by the Bidders for reference. However, the Eligibility will be considered as per uploaded documents. For any query kindly contact: eeel@aiimsbhubaneswar.edu.in Phone: 0674 – 2476500	To be submitted on 05/03/2024 i.e. by 16.00 Hours. In case the last day happens to be closed holiday, these Documents shall be submitted on the next working day failing which technical Bid will not be considered for Evaluation.
(j)	Mode of submission of Tender	Online.

- The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.
- Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
- The bid document consisting of NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from <https://eprocure.gov.in> or www.aiimsbhubaneswar.nic.in free of cost.
- 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> or www.aiimsbhubaneswar.nic.in free of cost.

5. The intending bidders must have valid class-III digital signature to submit the bid.
6. The tender processing fee for submission of bid shall be as per guidance of CPP portal.
7. Copies of eligibility documents and EMD as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.
8. Bidders must ensure to quote percentage above or below against BOQ price. The column meant for quoting rate in figures appears in Sky blue colour. If any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). After submission of the bid online the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
9. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
10. Financial bids shall be opened online only for bidders for 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.
11. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
12. If any discrepancy is noticed between the eligibility documents as uploaded at the time of submission of bid and hard copies as submitted physically by the bidder, the bid shall become invalid.
13. ***The Bidders shall have to submit original Earnest Money Deposit (EMD) and self-certified copies of all the scanned and uploaded documents on same day of opening of tender in the office of Tender Opening Authority before online opening of e-Tender otherwise the bid will be Invalid. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -***
 - (a) Demand Draft of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar.
 - (b) Details of Annual Turnover (Appendix-A), Work Completed during last 07 (Seven) Years (Appendix `B') and Detailed Information of Bidder (Appendix `C') duly filled and signed by the Bidder.
 - (c) Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 8 refer under Eligibility Criteria.
 - (d) Certificate of GST Registration and acknowledgement of up to date filed return.
 - (e) Copy of PAN card.
 - (f) Copies of Balance Sheets & profit loss statement of last three years From CA.
 - (g) Percentage Rate Tender & Contract (Page-13) and Affidavit (Page-20) to be given by Tenderers.
 - (h) Copies of Contractor's Valid Electrical License (MV and above).
 - (i) Copies of ESI Registration (Enclose latest challan copy).
 - (j) Copies of EPF Registration (Enclose latest challan copy).
 - (k) 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).
 - (l) Declarations to be given by the Tenderers.
 - (m) Copies of annual turnover of last three years.
 - (n) Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.
 - (O) Solvency Certificate

14. FRAUD AND CORRUPTION:

- 14.1 The Engineer-in-Charge will reject a proposal for award if he determines that the bidder recommended for award has been engaged in corrupt or fraudulent practices in competing for the contract in question. He will report to the Officer Inviting Bid / next higher authority.
- 14.2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited & the

- tenders submitted by the contractors who resort to canvassing will be liable for rejection.
- 14.3 The Contractor shall be debarred for any period of time as decided by the AIIMS, Bhubaneswar Authority for the following reason-
- (i) If the contractor submits false experience/completion certificates, **as mentioned in Ser. No. - 4(a), Page No. - 8 (refer under Eligibility Criteria)**. The department reserves the right to verify the particulars furnished by the applicant independently.
 - (ii) If the contractor fails to commence the work on or before the scheduled date stated in the work order.
 - (iii) Violates any important condition of contract.
15. The Technical Bid(s) shall be opened first by the Committee on **06/ 03/ 2024 by 15.00 Hours. The Financial Bid(s), whose Technical Bid) s found to be eligible, will be opened later for which intimation will be given through Website**. After the evaluation of the Bid(s) AIIMS, Bhubaneswar will award the contract to the Lowest Evaluated Responsive Tenderer. Conditional Bid(s) will be treated as unresponsive and will be rejected.
16. Information & Instruction for Contractor will form Part of NIT.

**Executive Engineer (Elect.)
AIIMS, Bhubaneswar**

DECLARATIONS TO BE GIVEN BY THE TENDERERS

It is to certify that: -

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

Date: _____

Signature of the Tenderer

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

Date: _____

Signature of the Tenderer

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

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

Date: _____

Signature of the Tenderer

GENERAL RULES & DIRECTIONS OF CONTRACT

1. **Name of Work:** *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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).*
2. The work is estimated to cost of **Rs. 1,11,01,243.00/- (Rupees One Crore Eleven Lakh One Thousand Two Hundred Thirty-Six Only)**The estimate, however, is given merely as a rough guide.
3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, **“Annual Electrical Maintenance work of the Hospital, Govt. Educational institute or Office complex of Central govt./state Govt./Central PSU/State PSU/ Govt. Autonomous Body along with manpower and Electrical material supply.”**
4. **Eligibility Criteria.** Contractor/Agency who fulfill following requirement shall be eligible to apply: -
 - (a) The bidder should have satisfactorily completed the works as mention below during the last seven (07) years end previous day of last date of submission of tender.
 1. one (01) similar work costing not less than 80% of Estimated cost **(i.e. for Rs. 88,80,988.00/)**
OR
 2. Two (02) similar works each costing not less than 60% of Estimated cost **(i.e. for Rs. 66,60,74.00/-)**
OR
 3. Three (03) similar works each costing not less than 40% of Estimated cost **(i.e. for Rs. 44,404,94.00 /-)**
 - (b) The Bidder should have registration up to date with **Employee Provident Fund (EPF) Commissioner** and **Employee State Insurance (ESI) Corporation.**
 - (c) The experience of similar work should be from Central Govt., State Govt., PSU and Autonomous Body, Govt. Hospitals.
 - (d) Agreements shall be drawn with the successful bidders for item/items on prescribed format. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
 - (e) The bid document consisting of plans, specifications, the schedule of quantities of the various type of items to be executed and the set of terms & conditions of the contract to be complied with and other necessary documents.
 - (f) **The Bidder/Firm should have Valid Electrical (MV or above) Contractor’s License.**
 - (g) Conditional Bids shall not be considered and will be out- rightly rejected at the very first instance.
 - (h) **Solvency certificate:** - solvency of amount equal to 40 % of the estimated cost put to tender (Not less than Rs. **44,40,494.00 /-**)
 - (i) Average annual financial turnover during the last three years, ending 31st march 2023 should be more than 30% of the estimated cost.

Note: The period of the contract will be One years 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 years and may be extended further for a period of 12 Months with mutual consent, on the same Terms and Conditions and Rates.

5. **Preparation & Submission of Tender through Online.** The Tender should be submitted in 02 (Two) parts i.e. **Technical Bid and Financial Bid Respectively**. The Technical Bid should be sent by the Bidder through online for “**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).**”
6. (a) **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 2,22,024.00/- (Rupees two Lakh Twenty-Two Thousand Twenty-Four Only)** by way of Demand Drafts. **Scanned Copy of the Demand Drafts must be uploaded and the original DD must be submitted** with the Technical Bid documents. Bid(s) received in tender without Demand Drafts of EMD will be rejected. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/Annual Deposit and, for unsuccessful bidder(s) it would be returned after Award of the Contract.
 - (b)(i) As per SOP No. 5/1 & Clause No. 06 of CPWD Manual – 2019 the MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of GOODS & Services only.
 - (ii) Micro & Small Enterprises if registered with any Government bodies specified by Ministry of Micro, Small & Medium Enterprises (M/o MSME) with valid certificate duly issued by GOI are exempted for submitting Earnest Money Deposit (EMD).
 - (iii) Other Firms, registered with MSME/NSIC with valid certificate duly issued by GOI are also exempted for submitting EMD. No other type of certificate is acceptable.
 - (iv) The exemption and relaxation in EMD is subject to the validity & acceptance of their registration certificate on the date of Opening of Tender.
7. **Performance Guarantee.**
 - (a) The successful contractor will be required to furnish a Performance guarantee of **05% (Three Percent) of Contract Value** in the form of Fixed Deposit Receipt or Bank Guarantee from any Scheduled Bank duly **pledged in the name of the "All India Institute of Medical Sciences, Bhubaneswar"** which shall be kept valid for a period of 60 days beyond completion of all the contractual obligations as per GCC-2020.
 - (b) The time allowed for submission of performance guarantee will be 07 days from the issue of Letter of Acceptance (LOA). However, in case of last day of submission of performance guarantee happens to be bank holiday, the last day of submission shall be the next working day.
 - (c) The security deposit can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contract or for unsatisfactory performance or non-observance of any condition of the contract. Performance Security will be discharged after completion of contractor’s performance obligations (including Warranty/Guarantee period) under the contract. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the contractor shall be debarred from the AIIMS tender for one year.
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.

9. The Tender paper/documents can be seen/downloaded from Official website & submitted through on line. For any query, Executive Engineer, Electrical, email- eeel@aiimsbhubaneswar.edu.in, Phone: 0674 – 2476500 AIIMS, Bhubaneswar, may be contacted.
10. The competent authority on behalf of 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 Percentage.
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 gazetted officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
14. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as 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 75 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 within 15 days from the stipulated date of start of the work, sign the contract consisting of "The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate Percentage online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
17. **List of Documents to be submitted along with the Technical Bid.**
 - (a) EMD.
 - (b) Form A to C duly filled in.
 - (c) Certificates of Work Experience & Completion Certificate of Similar Work from the officer not below than Executive Engineer or equivalent.
 - (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
 - (e) All documents as per Ser. No. 13 (a) to (n) (Page - 05 refers).
18.
 - (a) The Percentage Rates shall be inclusive of GST.
 - (b) Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor.

- (c) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
- (d) Labour CESS @ 01% will be deducted from the Bill.

19. **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, GST/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/ Percentage rate(s) should be inclusive of all taxes and GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. 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 supplier/Contractor/Firm is advised to comply all the GST Norms as per Rules. Accordingly, Supplier/Contractor/Firm is to submit the Original Challan/Voucher justifying that it has been actually and genuinely paid to the Govt. at the time of submission of Bills to Finance Wing for release of Payments.

Executive Engineer (Elect.)
AIIMS Bhubaneswar

Appendix `A`**FORM FOR FINANCIAL INFORMATION**

(Financial Analysis)

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

Ser. No.	Description	2020-21	2021-22	2022-23

Note: (i) Gross Annual Turn Over only.
(ii) Profit/Loss

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

(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.									

(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 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)

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

Percentage Rate Tender Contract for Works

(To be Submitted on Non-Judicial Stamp Paper of Rs 10/- or above)

E-Tender for the work of: 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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).”

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **06/03/2024 by 15.00 Hours.**
- (b) Time and date of opening of Online Financial Bids. : **To be intimated later through website.**

T E N D E R

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

If I/We, fail to furnish the prescribed Performance Guarantee within prescribed period. I/We agree that the said Executive Director, AIIMS, Bhubaneswar or his/her successors, in office shall without prejudice to any other right or remedy, be at liberty to debarred us from AIIMS tender for one year. 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 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 contractor on back to back basis. Further that, if such a violation comes to the notice of AIIMS, Bhubaneswar, then I/We shall be debarred for tendering in AIIMS, Bhubaneswar in future forever. Also, if such a violation comes to the notice of AIIMS, Bhubaneswar before date of start of work, the Administrative Officer shall be free to forfeit the entire amount of Performance Guarantee.

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

Dated: * _____

Signature of Contractor
With full Postal Address

Witness: *

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

Occupation: *

CONDITIONS FOR ANNUAL MAINTENANCE CONTRACT

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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).”

1. 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.
2. **Rates-** The prices quoted shall be inclusive of GST, PF/ESI. PF & ESI amount paid to the 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.
3. **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 for verification/reimbursement, at the time of submission of bill.
 - (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.
4. **Terms of Payment: -**
 - 4.1 Running bill Payment:**
The Running payments for the work done shall be released **Monthly/Quarterly** by AIIMS, Bhubaneswar only after salary payments to all workers & submitting the proof of disbursement 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 successful completion of Defects Liability Period i.e. six months from the date of completion of work, without any interest thereupon.

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

- (i) Test Certificate as per OEM to confirm that the materials meet the contract specification and relevant standard in all respects. (if any)
- (ii) Monthly Challans of EPF and ESI deposits up to previous month.
- (iii) Master Roll & Wages register signed by workers of each month.
- (iv) Log Books & attendance register.
- (v) Bank Account details/ e-payment details of the vendor.
- (vi) Warranty/Guarantee Certificate.
- (vii) Colour Photos for Executed work on glossary paper.
- (viii) Copies of User certified material used list of all complaints.
- (ix) GST return up to date Voucher.
- (x) Bank statements against salary credit of Manpower deployed.
- (xi) No claim certificate (financial bid)
- (xii) Work completion declaration (final bill)

4.2 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 equipments in good working condition, without any damage as handed over to them by AIIMS, Bhubaneswar.

4.3 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.

(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. The salary transaction statements for the same should be submitted with the RA bill.** If any violation with respect to payment of wages for any two months in a contract period 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 till finalization of the decision.

5. Transport

5.1 The transport required within the complex for carrying items inside the AIIMS complex for supply of materials, 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.

5.2 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 Executive Director AIIMS, Bhubaneswar. However, no movement of materials and transport out of site of works shall be permitted during night or during holidays unless special permission obtained from the Executive Director, AIIMS, Bhubaneswar.

6. 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.

7. The term of agreement shall be initially for a period of one year. On expiry of the term the contract may be extended for one year on mutual consultation by both the parties on the same terms and conditions mutually agreed to.

8. The contractor shall maintain the installations clean and tidy inside as well as around the installations and buildings. No rags and waste etc. shall be thrown near the building. This shall be deposited in the dustbins provided nearby. If Pump House and other areas mention in the scope is found untidy a lump sum amount (Rs. 1000/- per day) will be deducted from the contractor's bill. The amount quoted by the contractor must include the cost of man power for such purpose.

9. 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 security 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 to the operator/helpers.

10. The scope of the work of this contract shall be as per *conditions mentioned below*.

11. Tools and Tackles:

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.

Sl. No.	Name of Tools	Manufacturer	Quantity
1.	Combination Pliers	Taparia/Stanley	10 No.
2.	Screw Drivers (Big & small)	Taparia/Stanley	5 Nos.
3.	Wire strippers	Taparia/Stanley	11 Nos.
4.	Line Testers	Taparia/Stanley	11 Nos.
5.	Box Spanner Set complete with socket accessories, ratchet, etc.	Taparia/Stanley	1 No.
6.	Double end spanner set (Set of 12)	Taparia/Stanley	1 No.
7.	Ring Spanner set (Set of 12)	Taparia/Stanley	1 No.
8.	Screw Spanners of different sizes.	Taparia/Stanley	1 No.
9.	Hammers of different sizes	Taparia/Stanley	3 No.
10.	Screw Driver Set of different sizes	Taparia/Stanley	1 Set.
11.	Crimping tools (different sizes) as per site requirement	Jhonson/Any ISI Mark	1 No.
12.	Nose Pliers	Taparia/Stanley	3 Nos.
13.	Punch/ Chisel	Any ISI make	3 Nos.
14.	Electric drilling machine	Bosch	1 No.
15.	Blower	Bosch	1 No.
16.	Multi-meter (AVO Meter)	Fluke/Meco-V/Metravi	2 No.
17.	Megger (500 V/1000 V)	Megger/Waco	1 No.
18.	Earth Tester	Megger/Waco	1 No.
19.	Clamp on meter (high range)	Meco/Megger/Motwani	1 No.
20.	Raincoat	Any ISI make	4 Nos.
21.	Safety Gloves	Any ISI make	2 Pair
22.	Safety Belt	Any ISI make	4 Nos.
23.	Rechargeable torch light	Any ISI make	2 Nos.
24.	Safety Helmet	Any ISI make	4 Nos.
25.	Aluminium Ladder (8 Ft)	Any ISI make	1 Nos.
26.	Aluminium Ladder (6 Ft)	Any ISI make	2 Nos.
27.	Safety Shoes	Tiger/Allen Cooper/Any ISI Mark	12 nos.
28.	Allen Key set	Taparia/ Any ISI Make	1 no.
29.	krone Punch Down tool	Any ISI Make	2 no.
30.	Krone Voice Module Test Cord 110 to RJ11 (1.5-2 m)	Any ISI Make	2 no.
31.	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.
32.	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.

33.	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 hex wrench, Length: 3.9" (approximate 100mm), Adjustable & replaceable blades	Any ISI Make	1 no.
34.	Steel (200mm) Tin Cutters with Spring	Any ISI Make	1 no.
35.	Snap-off knife dyna grip - 25mm	Any ISI Make	2 no.
36.	Impact Punch Down Tool with Ever Sharp 110 & Ever Sharp 66 Blades plus a Wood Screw Starter Punch	Fluke or Any ISI Make	1
37.	Hot Melt Glue Gun - 150 Watt with Multi Temperature Control, Fast Melting	Any ISI Make	1
38.	soldering iron kit with stand, solder wire, paste, soldering iron.	Any ISI Make	1
39.	Total Dissolved Solids (TDS meter) for drinking water	Any ISI Make	2

(a) All tools & equipment shall be kept ready at site within 15 days from the date of award, failing which, AIIMS, Bhubaneswar shall impose penalty of Rs 1000/- per day from the Contractor's running bill.

(b) **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), 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 200/- per person per week till the compliance of the same from the contractor's running/final bill

12. **Penalty Clause:**

12.1 In case of any failure of / delay in services the penalty shall be invoked as per Clause-2 of GCC of CPWD Maintenance works-2020, by the as per schedule F.

12.2 The Agency will maintain attendance records of the staff, which will be the checked by the Junior Engineer/Assistant Engineer/ Engineer-in-charge. In case of absence of any staff, recovery shall made at the following rates: -

- A. High Skilled labour @ Rs.1,500/- per day per person.
- B. Skilled labour @ Rs.1,000/- per day per person.
- C. Semi-skilled labour @ Rs.850/- per day per person

12.3 In case the Vendor/Agency will not give the salary in time i.e. on or before 7th of every month to the employee deployed to perform the work in site, a compensation of ₹ 1000/- (**Rupee One Thousand** only) per day shall be recovered from the RA bill of the Agency.

12.4 If the vendor will not supply the material as per requisition within the stipulated given time period by the Executive Engineer then Rs 1000/- (**Rupee One Thousand** only) per day will be deducted from the Agency's bill.

12.5 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.

12.6 The Agency shall maintain the installations clean and tidy inside as well as around the installations and buildings. No rags and waste etc. shall be thrown near the building. This shall be deposited in the dustbins provided nearby. If Electrical rooms inside the building area mention in the scope is found untidy a lump sum amount **(Rs. 1000/- per day)** will be deducted from the Agency's RA bill.

13. Maintenance of records:

The contractor shall maintain all records such as log book, schedule of maintenance activity, complaint register, attendance register, stock register, material requisition book, gate pass and other statutory registers for manpower employed etc. such records are to be maintained as per the formats supplied 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.

13.1 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.
8. List of tools and test equipments available at site.
9. Preventive Maintenance Schedule Register.

14. The contractor shall employ the required number of personnel depending upon the requirement of AIIMS, Bhubaneswar on "as required basis" 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.**

15. The work shall be governed by AIIMS, Bhubaneswar's general conditions and security regulations of the contract.

16. 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.

17. The tenderer should sign in each page of tender document all the terms and conditions of the contract as a mark of his acceptance of contract. The signed tender copy has to be submitted to AIIMS, Bhubaneswar.

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 Executive Director, AIIMS, Bhubaneswar or any one or more officers authorized by him shall have the right to visit contractor's/sub contractor's premises to check the physical progress of work, inspection, testing etc. of the contract items or any part thereof at any time during all stages of operation & maintenance. The contractor shall extend all necessary facilities for carrying out such inspection and check of progress of work.

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 the Executive Director, AIIMS, Bhubaneswar in stock, contractor would be ordered in writing by Executive Director, AIIMS, Bhubaneswar 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 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 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. **Risk Purchases:**
The cost of repairs/rectification's necessitated due to negligence of contractor's 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 standards, 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. The Agency 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 Agency shall also be responsible for the insurance of its personnel. The Agency shall specifically ensure compliance of various Laws / Acts, including but not limited to with the following and their re-enactments / amendments / modifications: -
- (a) The Payment of Wages Act 1936.
 - (b) The Employees Provident Fund & MP Act, 1952.
 - (c) The Contract Labour (Regulation) Act, 1970.
 - (d) The Payment of Bonus Act, 1965.
 - (e) The Payment of Gratuity Act, 1972.
 - (f) The Employees State Insurance Act, 1948.
 - (g) The Employment of Children Act, 1938.
 - (h) The Motor Vehicle Act, 1988.
 - (i) Minimum Wages Act, 1948.
34. **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.
35. **Termination of Contract.** AIIMS, Bhubaneswar would have the right to terminate the contract, in case the work performance is not up to the standard, or in case there is any violation of AIIMS, Bhubaneswar rules & regulations, or if there is any lapse in compliance of any labour legislation, or if there is any incident of indiscipline on the part of the Tenderer or his staff and the agreement may be terminated. The decision of AIIMS, Bhubaneswar's management in this regard would be final and binding on the Tenderer. In such an event, AIIMS, Bhubaneswar shall have the right to engage any other tenderer to carry out the task.
36. **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.
37. **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 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.

38. GST and other Taxes as applicable shall be recovered/ paid from the contractor's bill as per Govt. of India/AIIMS Rules.
39. Payment shall be made on after successful completion of work and due Certification of the Bills by the Representative of Engineer-in-Charge.
40. The percentage rate quoted by the firm for the manpower component should be as per the payment of wages act (34) of the conditions of the NIT. The offer will not be considered if the firm's quoted rate for manpower is less than the rates as per the minimum wages category mentioned by the Ministry of Labour, Government of India.

Executive Engineer (Elect.)
AIIMS Bhubaneswar

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. All T&P, Scaffolding ladders/Hydra, Electrical instruments/meters for maintenance, consumable and Contingent Articles required for execution of the work shall be arranged by the contractor.
12. 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.
13. 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.
14. All required registers will be certified by Engineer-in-Charge/Executive Engineer duly marked in chronological order but the contractor will have to arrange all such registers/stationery etc. Nothing extra shall be paid on this account.
15. **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.**

16. 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 as mentioned below.

(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, failing which a lumpsum penalty amount of Rs 1000/- per day 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.

17. The personnel and laborers engaged by the contractor under this contract shall wear neat and clean uniforms approved by the Engineer-in-Charge along with name badges. As identity card duly countersigned by the Engineer-in-charge 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.

18. 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.

19. All dismantled material will be removed from site by contractor after duly verification and measurement of the same by JE.

20. 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.

21. 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.

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

23. Security Deposit of 2.5% of the Contract Value will be deducted from the RA Bills.

24. 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.

25. 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.

26. 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.

27. Each worker shall maintain a complaint diary and get the feedback recorded from the allottees" 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.

28. The contractor or his engineer at the service center shall maintain complaint register for recording the complaints.

29. 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.**

30. 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.

31. 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.

32. 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.

33. 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.

34. The contractor shall clear the site property after the completion of the work.

35. Major/Minor complaint shall be decided by the Engineer-in-charge or his representative. The decision of Engineer-In-charge shall be final & binding.

36. 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/cablings 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. **The tender shall be based on Conditions of Contract and tenderers are required to quote their % rates against BOQ item in schedule of quantities, which is enclosed. All rates shall remain firm for the contract period/extended contract period.**
6. If the contractor fails to proceed with the work within the stipulated time as specified from the date of issue of letter of intent/letter to proceed with the work, the Corporation shall forfeit the performance guarantee money deposited by him along with the tender.
7. All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
8. **Packing:** The supplier shall provide such packing of the goods, as is required to prevent their damages or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit.
9. DRAWING AND SPECIFICATIONS

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

The cost of preparing samples and carrying out tests for quality of material or workmanship will be borne by the contractor except for such exclusions as are specifically mentioned in the specifications laid down in contract. The cost of all test carried out by Laboratories directed by the Engineer-in-Charge will be borne by the contractor.
11. The work shall be carried out strictly as per the attached technical specifications, relevant IS specifications, Indian Electricity Rules & National Electrical Code.
12. The contractor has to get approved all the material from the Engineer-in-Charge before its actual use at site of work.
13. The scope of work includes all minor building works required for execution work such as cutting of wall etc. and making good the same. Nothing extra will be paid to contractor for the same.
14. The watch and ward of material and installation shall rest on the part of contractor during execution of work and till handing over of the same after completion of work in accordance with schedule of work.
15. The contractor will take care of the building etc. while handling / installing the equipment to avoid damages to the building. If any damages occur during execution of work, it shall be made good by contractor without any extra cost.
16. Existing materials in good condition may be used after joint inspection by AIIMS representatives & vendor.
17. Dismantled/ un-used materials to be deposited at Engineering Dept. by the Firm.
18. The vendor shall submit color photographs printed with glossy paper for showing different stages of work during the submission of final bill.

19. 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.
20. Minor welding work as and when required to be carried out by the contractor.
21. The all electrical works to be done as per I.E rule 1956.
22. Repairing/Rewinding/Replacement work need to be done within 48 hour.
23. **Warranty/Guarantee: The warranty/Guaranty certificate shall be provided as per manufacture standard norms.**
24. All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged before starting the job.
25. 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.
26. One dedicated telephone number shall be provided by the vendor at the maintenance office for logging of complaints.

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. **Materials will be supplied by the contractor within 07 days after giving the requirement otherwise Rs. 1,000/-per day penalty shall be recovered from contractor's bill after giving notice. However, the materials in urgent nature shall be supplied within 02-03 hours failing of which necessary action may be taken.**
4. **The agency must keep 10 percent of wiring and illumination items of BOQ at site all the time for urgent nature of works.**
5. 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.
6. The contractor shall furnish the manufacture's certificate (if required) that the material supplied satisfy the requirements of the relevant specifications.
7. 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.

8. 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.
9. 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.
10. Conditional tenders are liable to be summarily rejected.
11. The rates shall be quoted only in the schedule of quantities attached with the tender and nowhere else i.e letterheads etc.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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 AND SCOPE OF WORK

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.

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 DAMPNES.

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.

SCOPE OF WORK

A. Schedule Maintenance of Internal Electrical Installations

Sl No.	Description
DAILY	
1	Attend daily complaints received at enquiry room taken as most priority.
2	Check for fused lamps, tubes and LED fittings and replace the same.
3	Check for loose, hanging uncovered or temporary wires unauthorized connections in terminal buildings.
MONTHLY	
1	Clean the fixtures, ceiling fans and check the check nuts tightness.
2	Check for damaged switches & sockets and replace the same.
3	Check for overheating of any MCBs / RCCBs in DB s due to loose connections or over loading. Check for earth connection.
4	Check for overheating of any MCCB in Panel Boards due to loose connections or over loading. Check earth connection.
5	Check indication lamps & control fuses, selector switch, voltmeter/ ammeter.
6	Check for the proper functioning of ceiling fans, regulator & exhaust fans.
7	Check for any openings in switch boards, DBs & Panel Boards.
QUATERLY	
1	Tighten all the termination points in distribution boards.
2	Tighten all the termination points in panel boards.
HALF YEARLY	
1	Check hanging arrangement (Bolt & hook) of ceiling fan, abnormal Noise or unusual vibration/ smell or service needs.
2	Tighten all the earth termination points.
YEARLY	
1	Measure & record the IR values of all incoming & outgoing cables of LT panel board.

B. Schedule Maintenance of External/Garden/Main gate/Glow signage board Lighting

Sl No.	Description
DAILY	
1	Switch ON/OFF of street lights in specified time given by the department.
MONTHLY	
1	Check for overheating of any MCBs in the panel boards/ feeder pillar due to loose connections or overloading.
2	Checking of door locks and hinge replace if required.
2	Checking of earthing connection of feeder pillar panel.
QUATERLY	
1	Clean all the fixtures including lamp shades, domes, reflectors etc.
2	Tighten the terminations in loop in loop out box at each pole.
3	Tighten the earth terminal in loop in loop out box at each pole.
4	Checking of Glow signage repair/replace if required
HALF YEARLY	
1	Tighten all the termination points of street light controlling panel board.
2	Measure & record the IR values of incoming & outgoing cables to the panel board/ feeder pillar.
3	Measure & record the IR values of loop cable from pole to pole.
4	Tighten the earth terminal point at the feeder pillars.
YEARLY	
1	Dismantle & Carryout thorough servicing of each fixture (at least 25% of total quantity every year). This can be carried out during lowering of lantern carriage.

C. Schedule of Maintenance Check for Earthing System

Sl No.	Description
MONTHLY	
1	Cleanliness of earth pit / area
HALF YEARLY	
1	Check the condition of Watering Funnel.
2	Watering of earth pits.
4	Check tightness of earth connections & continuity.
Note:-	
1	These activities and periodicity are minimum.
2	Any missing activities can be incorporated and implemented.
3	The periodicity of maintenance depends on the number of hours of operation, life of the equipment and the climatic conditions. Hence, based on these the periodicity could be further improved, if found necessary.
4	On checking the individual parameters deficiency found shall be rectified immediately in a time bound manner.

**Executive Engineer (Elect.)
AIIMS, Bhubaneswar**

Preferred Make list of Materials		
BOQ No	Description of Item	Make
1	1.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
2	2.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
3	4 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
4	6 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
5	10 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
6	16 sq. mm FRLS PVC insulated, single core copper conductor cable	Poly cab/Finolex/RR Cable/ KEI/Havells
7	2.5 sq. mm 3 CORE Copper flexible FRLSH CABLE	Poly cab/Finolex/RR Cable/ KEI/Havells
8	4 sq mm 3 core copper flexible FRLSH cable	Poly cab/Finolex/RR Cable/ KEI/Havells
9	4 sq. mm 4 core XLPE Insulated, PVC sheathed Copper flexible cable	Poly cab/Finolex/RR Cable/ KEI/Havells
10	6 sq. mm 4 core XLPE Insulated, PVC sheathed copper flexible cable	Poly cab/Finolex/RR Cable/ KEI/Havells
11	10 sq. mm 4 core XLPE Insulated, PVC sheathed Aluminium armoured cable	Poly cab/Finolex/RR Cable/ KEI/Havells
12	16 sq. mm 4 core XLPE Insulated, PVC sheathed Aluminium armoured cable	Poly cab/Finolex/RR Cable/ KEI/Havells
13	20 mm iron staples/ saddles/ screws	AKG/Anchor/Polycab or Approved make
14	25 mm iron staples/ saddles/ screws	AKG/Anchor/Polycab or Approved make.
15	32 mm iron staples/ saddles/ screws	AKG/Anchor/Polycab or Approved make.
16	20 mm dia. ISI marked, PVC conduit	AKG/Anchor/Polycab/ Precision.
17	25 mm dia. ISI marked, PVC conduit	AKG/Anchor/Polycab/ Precision.
18	32 mm dia. ISI marked, PVC conduit	AKG/Anchor/Polycab/ Precision.
19	Supply of 9x5 MICA SHEET COVER	AKG/Anchor/Polycab or ISI Approved make.
20	Supply of 5x5 MICA SHEET COVER	AKG/Anchor/Polycab or ISI Approved make.
21	Supply of 38 mm PVC GRIP	AKG/Anchor/Polycab or ISI Approved make.
22	20 mm PVC bends	AKG/Anchor/Polycab/ Precision.
23	25 mm PVC bends	AKG/Anchor/Polycab/ Precision.

24	32 mm PVC bends	AKG/Anchor/Polycab/ Precision.
25	20 mm PVC coupler	AKG/Anchor/Polycab/ Precision.
26	25 mm PVC coupler	AKG/Anchor/Polycab/ Precision.
27	32 mm PVC coupler	AKG/Anchor/Polycab/ Precision.
28	20 mm PVC junction box, one way	AKG/Anchor/Polycab/ Precision.
29	25 mm PVC junction box, one way	AKG/Anchor/Polycab/ Precision.
30	32 mm PVC junction box, one way	AKG/Anchor/Polycab/ Precision.
31	20 mm PVC junction box, two way	AKG/Anchor/Polycab/ Precision.
32	25 mm PVC junction box, two way	AKG/Anchor/Polycab/ Precision.
33	32 mm PVC junction box, two way	AKG/Anchor/Polycab/ Precision.
34	20 mm PVC Flexible pipe	AKG/Anchor/Polycab/ Precision.
35	25 mm PVC Flexible pipe	AKG/Anchor/Polycab/ Precision.
36	Modular GI box for 1/2 module	Legrand/Anchor-Roma/Honeywell.
37	Modular GI box for 3 module	Legrand/Anchor-Roma/Honeywell.
38	Modular GI box for 4 module	Legrand/Anchor-Roma/Honeywell.
39	Modular GI box for 6 module	Legrand/Anchor-Roma/Honeywell.
40	Modular GI box for 8 module	Legrand/Anchor-Roma/Honeywell.
41	Modular GI box for 12 module	Legrand/Anchor-Roma/Honeywell.
42	Modular base & cover plate for 1 module	Legrand/Anchor-Roma/Honeywell.
43	Modular base & cover plate for 2 module	Legrand/Anchor-Roma/Honeywell.
44	Modular base & cover plate for 3 module	Legrand/Anchor-Roma/Honeywell.
45	Modular base & cover plate for 4 module	Legrand/Anchor-Roma/Honeywell.
46	Modular base & cover plate for 6 module	Legrand/Anchor-Roma/Honeywell.
47	Modular base & cover plate for 8 module	Legrand/Anchor-Roma/Honeywell.
48	Modular base & cover plate for 12 module	Legrand/Anchor-Roma/Honeywell.
49	1.5 mtr ceiling fan down rod	Any ISI Approved Make
50	1 mtr Ceiling fan down rod	Any ISI Approved Make
51	300 mm Ceiling fan down rod	Any ISI Approved Make
52	Ceiling rose, 3 pin, 5 A ISI marked	Legrand/Anchor-Roma/Honeywell.
53	S.P. 5/6 A, one way modular switch, ISI marked	Legrand/Anchor-Roma/Honeywell.
54	S.P. 5/6 A, two way modular switch, ISI marked	Legrand/Anchor-Roma/Honeywell.
55	S.P. 15/16 A, one way modular switch, ISI marked	Legrand/Anchor-Roma/Honeywell.
56	3 pin 5/6 A modular socket outlet, ISI marked	Legrand/Anchor-Roma/Honeywell.
57	6 pin 25 A modular type socket ISI marked	Legrand/Anchor-Roma/Honeywell.
58	6 pin 5/6A and 15/16 A modular socket outlet	Legrand/Anchor-Roma/Honeywell.
59	Modular blanking plate	Legrand/Anchor-Roma/Honeywell.
60	Modular bell push switch	Legrand/Anchor-Roma/Honeywell.
61	6 Amp 3 pin plug Top	Legrand/Anchor-Roma/Honeywell.

62	16 Amp 3 pin plug Top	Legrand/Anchor-Roma/Honeywell.
63	Stepped type Modular Fan regulator (1 module)	Legrand/Anchor-Roma/Honeywell.
64	Stepped type Modular Fan regulator (2 module)	Legrand/Anchor-Roma/Honeywell.
65	Fan capacitor	Philip/Bajaj/USHA/Havells/Concap.
66	PVC Batten/ Angle Holder	MK/Anchor/Cona/Finolex
67	Call bell/ buzzer, single phase	MK/Anchor/Cona/Finolex
68	1/2" PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
69	3/4" PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
70	1" PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
71	1.5" PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
72	2" PVC Casing Capping	AKG/Anchor/Polycab/ Precision.
73	Electrical contact cleaner(CRC)	WD-40/Elecstar/ CCSO2/ CVC
74	Grease/petroleum gel	Any ISI Approved Make
75	Rubber/ PVC bushes	Any ISI Approved Make
76	Water Proof Tape	Any ISI Approved Make
77	PVC insulation Tape	Any ISI Approved Make
78	PVC clip for fixing cable/Casing Capping	Any ISI Approved Make
79	Al. Alloy/ cadmium plated iron screws, 20 mm	Any ISI Approved Make
80	100 mm Cable tie lock belt	Any ISI Approved Make
81	150 mm cable tie lock belt	Any ISI Approved Make
82	200 mm cable tie lock belt	Any ISI Approved Make
83	250 mm cable tie belt	Any ISI Approved Make
84	Iron screws, 35 mm X 8 mm	Any ISI Approved Make
85	Iron screws, 40 mm X 6 mm	Any ISI Approved Make
86	Iron screws, 45 mm X 6 mm	Any ISI Approved Make
87	25 mm X 3mm bolts & nuts	Any ISI Approved Make
88	32mm X 8mm bolts & nuts	Any ISI Approved Make
89	38mm X 10 mm bolts & nuts	Any ISI Approved Make
90	38 mm X 7 mm, bolts and nuts	Any ISI Approved Make
91	15 mm long X 6 mm dia G.I. bolts and nuts	Any ISI Approved Make
92	10 mm X 25 mm long G.I. bolt with nut etc.	Any ISI Approved Make
93	16 mm X 50 mm bolts and nuts with washers	Any ISI Approved Make
94	16 mm X 40 mm bolts and nuts with washers	Any ISI Approved Make
95	8 mm dia steel Anchor fastener	Any ISI Approved Make
96	10 mm dia steel Anchor fastener	Any ISI Approved Make
97	12 mm dia steel Anchor fastener	Any ISI Approved Make
98	16 mm dia steel Anchor fastener	Any ISI Approved Make
99	6 way, SPN, double door, MCB DB	Legrand/ABB/L&T/Schneider Electric.
100	8 way, SPN, double door, MCB DB	Legrand/ABB/L&T/Schneider Electric.
101	12 way, SPN, double door, MCB DB	Legrand/ABB/L&T/Schneider Electric.
102	4 way (4+12), TPN, MCB DB, double door, horizontal type	Legrand/ABB/L&T/Schneider Electric.
103	6 way (4+18), TPN, MCB DB, double door, horizontal type	Legrand/ABB/L&T/Schneider Electric.

104	8 way (4+24), TPN, MCB DB, double door, horizontal type	Legrand/ABB/L&T/Schneider Electric.
105	6 A to 32 A ratings, SP MCB, "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
106	6 A to 32 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
107	40 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
108	63 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
109	6 A to 32 A ratings, TPN MCB, "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
110	40 Amp TPN MCB "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
111	63Amp TPN MCB "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
112	100 Amp TPN MCB "C" curve, 10 kA breaking capacity	Legrand/ABB/L&T/Schneider Electric.
113	4 pole MCCB, 40A, 25kA	Legrand/ABB/L&T/Schneider Electric.
114	4 pole MCCB, 63A, 25kA	Legrand/ABB/L&T/Schneider Electric.
115	4 pole MCCB,100A,30kA	Legrand/ABB/L&T/Schneider Electric.
116	4 pole MCCB, 125A, 36kA	Legrand/ABB/L&T/Schneider Electric.
117	4 pole MCCB, 200A, 36kA	Legrand/ABB/L&T/Schneider Electric.
118	4 pole MCCB,250A, 50kA	Legrand/ABB/L&T/Schneider Electric.
119	4 pole MCCB,400A, 50kA	Legrand/ABB/L&T/Schneider Electric.
120	4 pole MCCB,630A, 50kA	Legrand/ABB/L&T/Schneider Electric.
121	20 A SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Legrand/ABB/L&T/Schneider Electric.
122	20 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Legrand/ABB/L&T/Schneider Electric.
123	30 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Legrand/ABB/L&T/Schneider Electric.
124	Single pole, blanking plate	Legrand/ABB/L&T/Schneider Electric.
125	Sheet steel DP MCB enclosure	Legrand/ABB/L&T/Schneider Electric.
126	Sheet steel TP MCB enclosure	Legrand/ABB/L&T/Schneider Electric.
127	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make

128	Brass compression gland (19 mm) for 2 X 10 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
129	Brass compression gland for (28 mm) 3½ X 25 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
130	Brass compression gland for (32 mm) 3½ X 35 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
131	Brass compression gland for (35 mm) 3½ X 50 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
132	Brass compression gland for (38 mm) 3½ X 70 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
133	Brass compression gland for (45 mm) 3½ X 95 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
134	Brass compression gland for (45 mm) 3½ X 120 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
135	Brass compression gland for (50 mm) 3½ X 150 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
136	Brass compression gland for (57 mm) 3½ X 185 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
137	Brass compression gland for (62 mm) 3½ X 225 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
138	Brass compression gland for (62 mm) 3½ X 240 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
139	Brass compression gland for (70 mm) 3½ X 300 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
140	Brass compression gland for (82 mm) 3½ X 400 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
141	Brass compression gland for (25 mm) 4 X 10 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
142	Brass compression gland for (28 mm) 4 X 16 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
143	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 kV grade cable	COMET/COSMOS/ ISI Approved make
144	1.5 sq. mm Ring type copper lugs	PTC/ISI Approved Make
145	2.5 sq. mm Ring type copper lugs	PTC/ISI Approved Make
146	4.0 sq. mm Ring type copper lugs	PTC/ISI Approved Make
147	6.0 sq. mm Ring type copper lugs	PTC/ISI Approved Make
148	10 sq. mm Ring type copper lugs	PTC/ISI Approved Make
149	16 sq. mm Ring type copper lugs	PTC/ISI Approved Make
150	1.5 sq. mm Pin type copper lugs	PTC/ISI Approved Make
151	2.5 sq. mm Pin type copper lugs	PTC/ISI Approved Make
152	4.0 sq. mm Pin type copper lugs	PTC/ISI Approved Make
153	6 sq. mm Pin type copper lugs	PTC/ISI Approved Make
154	10 sq. mm Pin type copper lugs	PTC/ISI Approved Make
155	16 sq. mm Pin type copper lugs	PTC/ISI Approved Make
156	Aluminium lugs for 6 sq. mm cable	PTC/ISI Approved Make
157	Aluminium lugs for 10 sq. mm cable	PTC/ISI Approved Make
158	Aluminium lugs for 16 sq. mm cable	PTC/ISI Approved Make
159	Aluminium lugs for 25 sq. mm cable	PTC/ISI Approved Make
160	Aluminium lugs for 35 sq. mm cable	PTC/ISI Approved Make
161	Aluminium lugs for 50 sq. mm cable	PTC/ISI Approved Make

162	Aluminium lugs for 70 sq. mm cable	PTC/ISI Approved Make
163	Aluminium lugs for 95 sq. mm cable	PTC/ISI Approved Make
164	Aluminium lugs for 120 sq. mm cable	PTC/ISI Approved Make
165	Aluminium lugs for 185 sq. mm cable	PTC/ISI Approved Make
166	Aluminium lugs for 225 sq. mm cable	PTC/ISI Approved Make
167	Aluminium lugs for 240 sq. mm cable	PTC/ISI Approved Make
168	Aluminium lugs for 300 sq. mm cable	PTC/ISI Approved Make
169	Aluminium lugs for 400 sq. mm cable	PTC/ISI Approved Make
170	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
171	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
172	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 70 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
173	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
174	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
175	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
176	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 185 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
177	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
178	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
179	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	3-M/ISI Approved Make
180	Rewinding of Ceiling fan 900/1200 mm sweep.	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
181	Rewinding of wall mounted fan 450 mm sweep.	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
182	Repairing of fan shaft	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
183	Rewinding of High speed stand fan 450 mm sweep	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
184	Rewinding of Exhaust fan 450 mm heavy duty.	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make
185	Rewinding of Exhaust fan 230/300 mm heavy duty	Bajaj/ CG/ Havells/Usha/Crompton/ Approved Make

186	Bearing of 1200/900 mm ceiling fan	Bajaj/ CG/ Havells/Usha/Crompton
187	Bearing of 230/300 mm exhaust fan	Bajaj/ CG/ Havells/Usha/Crompton
188	Bearing of 450 mm exhaust fan	Bajaj/ CG/ Havells/Usha/Crompton
189	BEE 5 star rated ceiling fan with brush les direct current (BLDC) motor, basic price for 1200 mm sweep BLDC ceiling fan i/c all accessories/fitting/supports etc.	Philip/Bajaj/USHA/Havells/Atomberg.
190	Supplying of wall mounted 450 mm sweep.	Bajaj/ CG/ Havells/Usha/Crompton.
191	Supply of 300 mm Heavy Duty Exhaust fan	Bajaj/ CG/ Havells/Usha/Crompton.
192	Supplying of Exhaust fan 230 mm heavy duty	Bajaj/ CG/ Havells/Usha/Crompton.
193	Supplying 36 watt 2' X2'LED Recess mounted light fitting	Philip/Bajaj/Havells/Crompton/Orient.
194	Supplying 24 watt 1' X1'LED Recess mounted light fitting	Philip/Bajaj/Havells/Crompton/Orient.
195	Supplying 4'x1' recess mounted 36 watt LED	Philip/Bajaj/Havells/Crompton/Orient.
196	Supplying 15 watt Round Surface Mount LED	Philip/Bajaj/Havells/Crompton/Orient.
197	Supplying 20 watt Recess Mount LED down light fitting	Philip/Bajaj/Havells/Crompton/Orient.
198	Supplying 20 watt Surface Mount LED down light fitting	Philip/Bajaj/Havells/Crompton/Orient.
199	Supplying of 9 watt LED Bulb	Philip/Bajaj/Havells/Crompton/Orient.
200	Supplying 18-20 watt LED Tube light fitting	Philip/Bajaj/Havells/Crompton/Orient.
201	Supplying 10 watt LED Tube light mirror fitting	Philip/Bajaj/Havells/Crompton/Orient.
202	Supplying 6 watt Recess mount LED down light fitting	Philip/Bajaj/Havells/Crompton/Orient.
203	Supplying 9 watt Recess mount LED down light fitting	Philip/Bajaj/Havells/Crompton/Orient.
204	Supplying 15 watt Recess mount LED down light fitting(Cut out dia-180mm)	Philip/Bajaj/Havells/Crompton/Orient.
205	Supplying 15 watt Recess mount LED down light fitting (Cut out dia-140mm)	Philip/Bajaj/Havells/Crompton/Orient.
206	Supply of 3 watt LED Strip (Green)	Philip/Bajaj/Havells/Crompton/Orient.
207	Supply of Signage LED Driver	Philip/Bajaj/Havells/Crompton/Orient.
208	Supplying 36 watt FL tube	Philip/Bajaj/Havells/Crompton/Orient.
209	Supplying 28 watt FL tube	Philip/Bajaj/Havells/Crompton/Orient.

210	Supplying 14 watt FL tube	Philip/Bajaj/Havells/Crompton/Orient.
211	Supplying 36 watt PL(4 pin) lamp	Philip/Bajaj/Havells/Crompton/Orient.
212	Supplying 2X36 watt FL electronic choke	Philip/Bajaj/Havells/Crompton/Orient.
213	Supplying 2X28 watt FL electronic choke	Philip/Bajaj/Havells/Crompton/Orient.
214	Supplying 1x36 watt FL electronic choke	Philip/Bajaj/Havells/Crompton/Orient.
215	Supplying 1x28 watt FL electronic choke	Philip/Bajaj/Havells/Crompton/Orient.
216	Supplying PLL starter	Philip/Bajaj/Havells/Crompton/Orient.
217	Supply of Red/Yellow/Blue/Green indication Lamp	Philip/Bajaj/Havells/Crompton/Orient.
218	Supplying 18 watt LED PLL(4 pin) lamp	Philip/Bajaj/Havells/Crompton/Orient.
219	supply of 200 watt Flood light	Philip/Bajaj/Havells/Crompton/Orient.
220	supply of 25 watt round led recess (cutout dia 196)	Philip/Bajaj/Havells/Crompton/Orient.
221	Supply of Ammeter panel mount(40-700Amp)	L&T/Schneider/ ISI Approved Make
222	Supply of MCCB Rotary Handel (300-630 Amp)	L&T/Schneider/ ISI Approved Make
223	Supply of MCCB Rotary Handel (40-250 Amp)	L&T/Schneider/ ISI Approved Make
224	Supply of RYBN Panel Connector	ISI Approved Make
225	Supply of LT panel hinge	ISI Approved Make
226	Supply of LT panel Door lock	ISI Approved Make
227	Supply of Modular Box Refaxing Struts	ISI Approved Make
228	Supply of 12" Lift Cabin fan	ISI Approved Make
229	Supply of 1' full thread screw	ISI Approved Make
230	Supply of 1.5' full thread screw	ISI Approved Make
231	Supply of 3' full thread screw	ISI Approved Make
232	Supply of 9 volt Alkaline batteries	ISI Approved Make
233	Supply of Fan Check nuts	ISI Approved Make
234.0	Supply and Replacement of Projector Lamp (2500 to 5000) lumen type projector)	Benq, Epson etc
235.0	Supply and Replacement of projector DLP chip (2500 to 5000 lumen type projector)	Benq, Epson etc
236.0	Repairing /servicing/fixing of projector Motherboard (2500 to 5000 lumen type projector)	Benq, Epson etc
237.0	Repairing /replacement /fixing of projector VGA port /HDMI port /USB port /Power port/ fan /remote (2500 to 5000 lumen type projector)	Benq /Epson etc
238.0	Supply and Replacement of projector lens (2500 to 5000 lumen type projector)	Benq / Epson etc
239.0	Supply of projector power cable (2500 to 5000 lumen type projector)	Benq/ Epson etc
240.0	Supply of ceiling/wall Projector mounting kit 4/6 /10 ft	QualGear / VIVO /Drsn /Monoprice /DYNAVISTA / SCREEN PRO /Elcor

241.0	Repairing / fixing / servicing of motorized projector Screen	Benq /Epson / panasonic etc
242.0	Supply of 15 mtr HDMI cable male to male with Supports Latest HDMI 2.0b Standard -4K, UHD, Audio Return Channel (ARC), Category 2 Certified,18 Gbps / 600 MHz Refresh Rate, 2160p, 1080p, 48 Bit Deep Color, Ethernet and is backwards compatible with earlier versions, Connect Blu-Ray Player, Apple TV, Xbox One, PS4, Roku, and laptops with HDMI output to 4K UHD TV, projectors, A/V Receiver.	Amazon basics / Honeywell /DigiReach / ATEN
243.0	Supply of 15 mtr VGA CABLE male to male (15 pin VGA cables carries RGB type video signal and has H and V sync option too. This HD-15 connector is compatible with HD TV, LCD TV, LED TV, computer monitor and laptop)	Amazon basics / Honeywell /DigiReach / ATEN
244.0	Supply of projector remote (2500 to 5000 lumen type projector) with 1 year warrantee	Benq /Epson etc
245.0	Supply of M8x65 Socket Cap Screw (Pack of 100)	UMC / Immech /Epi-Torque /Rpi shop/ RoyceMart /DIY Crafts /GSK Corporation
246.0	Supply of 8 mm Rawl Bolt Fastener	Spartan / ELEGANT CASA / Pure Source India
247.0	Supply of 6 mm Rawl Bolt Fastener	Spartan / ELEGANT CASA / Pure Source India
248.0	Supply of 10 mm Rawl Bolt Fastener	Spartan / ELEGANT CASA / Pure Source India
249.0	Supply of Handheld Microphone Windscreen Windshield Sponge Foam Mic Cover	ELECTROPRIME / COMBR /CALANDIS / Vinayakart / bnf / HEALLILY
250.0	Supply of Tripod Boom Microphone Stand, Tripod boom microphone stand holds microphone securely in place (microphone clip sold separately) 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.	Ahuja / MX /WON
251.0	Recoiling /servicing/fixing of 1000 watt speaker	Pop /Atis / Crown/ QSC /Ahuja etc
252.0	Recoiling /servicing/ fixing of 30 to 100 watt speaker	Pop /Atis / Crown/ QSC /Ahuja etc
253.0	Recoiling /servicing/ fixing of 110-250 watt loudspeaker	Pop /Atis / Crown/ QSC /Ahuja etc
254.0	Supply of XLR Female connector, nickel plated connectors	MX / HAWK / KEBILSHOP / CableCreation
255.0	Supply of XLR male connector, nickel plated connectors	MX / HAWK / KEBILSHOP / CableCreation

256.0	Supply of ULTRA-DI DI20 Professional Active 2-Channel DI-Box/Splitter, Converts 2 independent unbalanced 1/4-inch trs line inputs into 2 balanced xlr outputs, Additional split mode (channel 1 assigns signal to both xlr outputs), Ultra-flat frequency response due to servo-balanced operation with 1 year warrantee.	Behringer /Dynatech
257.0	Supply of Headphones with Super Powerful Bass, Up to 20 Hours Battery Life, Bluetooth 5.0,40mm dynamic driver: The in-built 40mm high performance large neodymium iron boron unit has a bass output that is deep and impactful. The large voice coils, and large diaphragms recreate the front row rock concert experience. These are designed for the bass head, Pressure-less ear muffs: Crafted with soundproof PU material for those who want to listen to music on the go, the soft and cushiony ear muffs reduce strain on your ears. With an adjustable head beam and elastic shafts to rotate the ear muffs, you can customize the listening experience for yourself, Use wired or wireless: Versatile in its conception, the Mi Super Bass Wireless Headphones can be used wired or wirelessly as you find convenient, Compatible with all brands with 1 year warrantee.	Sennheiser/ASUS/ BOAT /AKG
258.0	Supply of 5 meter Mono Plug 6.35mm to 3.5mm 4 Pole Stereo Audio Jack (Amplifier to Laptop / Mobile connection cable)	MA / INICIO / SeCro / KEBILSHOP /VRCT
259.0	Supply of 1/4" 6.35mm Mono Male Connector Nickel Plated with Spring Strain Relief Plug Coax Audio Microphone Adapter - Solder Type	MX / HAWK / KEBILSHOP / CableCreation
260.0	Repairing / fixing / servicing of Power Amplifier 50W to 1000W	Ahuja / Yamaha etc
261.0	Repairing / fixing / servicing of Audio crossover	Dynatech / Ahuja etc
262.0	Supply of Flight Case for 20 channel audio Mixer and Lighting DMX	Warm Audio / Galaxy Audio / HUL / ISI mark
263.0	Supply of Microphone/signal cable of Audio, spiral copper shielding ,oxygen free copper center,90% coverage shield and a great signal capability speaker .	SLV / Amazon Basics /MX
264.0	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	DURACELL /Panasonic /PHILIPS /Eveready
265.0	Supply of Ultra Alkaline AA Battery ,Lasts upto 10 times longer vs Ordinary Zinc Carbon Batteries 100 percent Checked against Leakage Operates over a wider range of temperature	DURACELL /Panasonic /PHILIPS /Eveready

266.0	Supply of Ultra Alkaline 9V Battery, Lasts longer much longer vs ordinary zinc carbon batteries 100 percent checked against Leakage, Operates over a wider range of temperature	DURACELL /Panasonic /PHILIPS /Eveready
267.0	Repairing of 20 channel Audio mixture	Yahama etc
268.0	Repairing of DMX Light Controller Mixture	DMX etc
269.0	Repairing of Dimmer Light Controller	DMX etc
270.0	Repairing of Wired handed microphone with Receiver	Ahuja / AKG etc
271.0	Repairing of gooseneck Wired microphone	Ahuja / AKG etc
272.0	Repairing of Wireless handed/lapel microphone with Receiver	Ahuja / AKG etc
273.0	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/ Binatone /Alcatel /Motorola
274.0	Repairing/Servicing of CLI analog Telephone handset with telephone coil cord and handel (including all accessories of handset without display)	Beetel etc
275.0	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 mark
276.0	Supply of Telephone 10-Pair Krone Module,Flawless range,Port: 5 Pair, 8 Pair, 10 Pair and Connection Wire: 0. 4-0. 6mm	ADC Krone / Krone / Optisoft
277.0	Supply of Steel Back Mounting Krone Module Frame for 1 Krone Module	ADC Krone / Krone / Optisoft

278.0	Supply of 10 Pair Telephone Junction Box ,Material Mild Steel, Shape Rectangle,Thickness 25-50 mm,Finish Type Polished, Number of Pair 10.	Otdorpatio / SSE / ISI mark
279.0	Supply of 50 Pair Telephone Junction Box ,Material Mild Steel, Shape Rectangle, Thickness 25-50 mm, Finish Type Polished, Number of Pair 10.	Otdorpatio / SSE / ISI mark
280.0	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.	TECHGEAR / ULTRABYTES /Fedus /Red Champion /CARE CASE /Hesha
281.0	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	TP-Link / MERCUSYS /Dlink
282.0	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	GLOBOMOTIVE / Hian / LEYDEN /Wonder /OVG /3M /ISI mark

283.0	Supply of 4 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	GLOBOMOTIVE / Hian / LEYDEN /Wonder /OVG /3M /ISI mark
284.0	Supply of Zip Tie Mount 0.75 Inch 20mm Black Samll Wire Tie Adhesive Mounting, 100 Pieces. perfect for Wire Clips Cable Management Cable Tie Anchors, Durability Pro-grade UV Wire Holder	GLOBOMOTIVE / Hian / LEYDEN /Wonder /OVG /3M /Aisto /ISI mark
285.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
286.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
287.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
288.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
289.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
290.0	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)	BESSEEK /Stanz /Mazuu/ISI mark
291.0	Supply of Single Port Telephone Junction Surface Rosette Mount Modular Jack Block Box.	RIVER FOX / BIGGEAR /ISI mark
292.0	Supply of 2 Pair Telephone Cable -0.5 mm, voice-grade copper ,Unarmoured, Insulation: High Density Polyethylene; Rip Cord: Nylon ;Conductor Material Copper	ANCHOR / Finolex / polycab /Dlink
293.0	Supply of 1/2 Port Wall Socket Screw Connection RJ11 6P6C Telephone Surface Mount Box	NECABLES /ISI mark
294.0	Supply of RJ12 6P6C Data Cable Male to Male 2Straight Wiring Black (Straight Wiring) 3 Feet	NECABLES /ISI mark
295.0	Supply of power adapter (input : 150 - 270V AC; output : 12/9V DC)	FEDUS / KEBILSHOP /Taapsee /BLUES /A Plus Products /ISI mark
296.0	Repairing of power adapter (input : 150 - 270V AC; output : 12/9V DC) including cable and connector.	FEDUS / KEBILSHOP /Taapsee /BLUES /A Plus Products /ISI mark
297.0	supply of RJ 11 Telephone I/O Faceplate	Anchor Roma /Legrand
298.0	Supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 X 38mm pack of 1000 pic	9M / RKGD / GSK Cut /ISI mark
299.0	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 50mm of 1000 pic	9M / RKGD / GSK Cut /ISI mark

300.0	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 75mm of 1000 pic	9M / RKGD / GSK Cut / ISI mark
301.0	Supply of RJ11 Telephone Socket I/O	Anchor Roma /Legrand
302.0	Supply of Plastic wall plugs 8mm,Length 40 mm; Product Diameter 8 mm, Suits Screw Diameter 4.5-6 mm, Pack of 300 pic	BESSEEK /Stanz /Mazuu/ISI mark
303.0	Supply of Plastic wall plugs 6 MM ,Length 30 mm; Product Diameter 7 mm, Suits Screw Diameter 4-6mm Pack of 300 pic	BESSEEK /Stanz /Mazuu/ISI mark
304.0	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	BESSEEK /Stanz /Mazuu/ISI mark
305.0	Supply of shielded RJ11/RJ12 Modular Transparent Clear Male Plug Crimp Connector for Stranded Telephone Cord Cable Wire	River Fox /MaK WOrLD / FEDUS / TECH-X /ISI
306.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 10 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Finolex/ Delton
307.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 20 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Finolex/ Delton
308.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 50 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Finolex/ Delton
309.0	Supply of 25mm GI Saddle without Base	ISI Make
310.0	Supply of 20mm GI Saddle without Base	ISI Make
311.0	Supply of Cat6E UTP Cable, frequency from 250 MHz to 600 MHz,CAT6e cable with grounded foil shielding can reach 10-Gigabit Ethernet speeds without having to reduce the maximum length of 100 meters.	RIT/ commscope /Siemon/ Panduit / Belden / Schneider
312.0	Supply of shielded RJ 45 Cable Connector	Dlink / FEDUS
313.0	Repairing and fixing of Telephone Handset 1+1 including display , coil cord , handel and mother board (All Component)	Beetel

314.0	Supply of Cassette Junction Case Box Repair Device (90cm) and crews (52cm) ,Type:86 Type, Material: Copper/AL/GI Plating, Adjust range:60-90cm , Application:86 Type wall plate switch & socket ,Feature: With Height adjustment bar. Bullet shape head, easy to install and fix.Double-headed wrench installation is more flexible.Surface Copper Plating Upgrade Appearance and Function.Up-and-down thread adjusting height according to actual needs.	ISI Make
315.0	Repairing and Servicing of LED signage board Includes LED module, acrylic, ACP sheet.	NA
316.0	Repairing of long through mono color spot light/linear light ,Protection Rating : IP65, . Power consumption : 15 to 20 W, CCT : 3200K/5600K, Surge Protection : Inbuilt surge protection 2KV-4KV.	ISI or, Apporved Make by EIC
317.0	Repairing of long through mono color spot light/linear light ,Protection Rating : IP65, . Power consumption : 40 to 60 W, CCT : 3200K/5600K, Surge Protection : Inbuilt surge protection 2KV-4KV	Leksa / Havells/ jaguar
318.0	Supply of IP65 power connectors having 3/4 pole cable connector	ISI Make
319.0	Telephone Handset 1+1 ;Intercom facility between two phones, two way speakerphone	Beetel / Panasonic/ Binatone /Alcatel /Motorola
320.0	Supply of Glow sign board 600 - 800 W electronic driver (AC-DC)	NA
321.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 1 meter	FEDUS /KEBILSHOP/Ann-Tech/ HAKUHO /ROLGO2
322.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 3 meter	FEDUS /KEBILSHOP/Ann-Tech/ HAKUHO /ROLGO1
323.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 5 meter	FEDUS /KEBILSHOP/Ann-Tech/ HAKUHO /ROLGO0
324.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 10 meter	FEDUS /KEBILSHOP/Ann-Tech/ HAKUHO /ROLGO1

**Executive Engineer AIIMS,
Bhubaneswar**

Technical Bid (Eligibility Criteria)

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

Sl. No.	Details/ Particulars	Uploaded (Yes/No)	Page No.
(A)	Demand Draft of any scheduled Bank against EMD in favour of AIIMS, Bhubaneswar/ MSME registration Certificate.		
(B)	Details of Annual Turnover (Appendix-A), Work Completed during last 07 (Seven) Years (Appendix `B') and Detailed Information of Bidder (Appendix `C') duly filled and signed by the Bidder.		
(C)	Certificates of Work Experience & Completion Certificate of Similar Work from Client not below the Rank of Executive Engineer or equivalent, as mentioned in Ser. No. - 4, Page No. - 8 refer under Eligibility Criteria		
(D)	Certificate of Registration for GST and acknowledgement, up to date filed return if required		
(E)	Attested Copies of PAN No.		
(F)	Copies of Balance Sheets & profit loss statement of last three years From CA.		
(G)	Percentage Rate Tender & Contract (Page-14) and Affidavit (Page-34) to be given by Tenderers.		
(H)	Copies of ESI Registration (enclose latest challan copy)		
(I)	Copies of EPF Registration. (enclose latest challan copy)		
(J)	The Bidder(s) should have their Registered Office/Branch in Bhubaneswar. If not, an Office should be opened in Bhubaneswar within 30 (Thirty) Days of the award of Work. Details of Address Proof of Office located at Bhubaneswar should be given to EE(Elect.).		
(K)	Declarations to be given by the Tenderer(s) (as per Page 07).		
(L)	Valid Electrical Licence (MV or above)		
(M)	Copies of annual turnover of last three years.		
(N)	Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.		
(O)	Solvency Certificate		

AFFIDAVIT

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

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

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

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

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

Business Address: -

Name:

(Signature of Bidder with Firm's Seal)

Place: _____

Dated: _____

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).

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

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

Dated the _____ day of _____ for _____

(Indicate the name of the bank)

Format for Agreement

(To be Submitted on Non Judicial Stamp Paper of Rs 100/- or above)

This Agreement is made at Bhubaneswar on this (day) of(Month) 2024.

BETWEEN

Executive Director, AIIMS, Bhubaneswar represented through **Executive Engineer (Elect.)**, 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. /26/2023 (herein 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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).**" hereinafter 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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).**" 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

Executive Engineer (Elect.)

e-NIT-26/2023

(Signature of the Bidder with Seal)

promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

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

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

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

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

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

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

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

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

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

(d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates 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 EMD/Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.

3. **Criminal Liability :** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article - 4 : Previous Transgression.

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State

Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

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

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

Article - 6 : Duration of the Pact.

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

Article - 7 : Other Provisions.

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

Article - 8 : LEGAL AND PRIOR RIGHTS.

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

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

.....
(For and on behalf of 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
(Reference to General conditions of Contract.)

Officer Inviting Tender: - Executive Engineer (Elect.), 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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works)."

Estimated Cost of Work:	Rs. 1,11,01,243.00/-
(a) Earnest Money =	Rs. 22,2025.00/-
(b) Performance Guarantee =	05% of Tendered Value
(c) Security Deposit =	2.5% of Final Value

SCHEDULE 'A'

Schedule of quantities : **Attached**

SCHEDULE 'D'

Extra schedule for specific requirements/
document for the work, if any. : **Nil**

SCHEDULE 'E'

Reference to General Conditions of contract : CPWD General Conditions of Contract 2020 (maintenance) modified and amendment up to the last date of submission of tender.

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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).**

Estimated cost of work : **Rs. 1,11,01,243.00/-**

(i) Earnest money : **Rs. 22,2025.00/-**

(ii) Performance Guarantee : 5% of tendered value.

(iii) Security Deposit : 2.5% of tendered value.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender : **Executive Engineer (Electrical), AIIMS Bhubaneswar on behalf of Executive Director AIIMS**

	Bhubaneswar.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.	: See below
Definitions:	
2(v) Engineer-in-Charge	: Superintending Engineer, AIIMS Bhubaneswar (Odisha)
2(viii) Accepting Authority	: Executive Director, AIIMS Bhubaneswar (Odisha)
2(x) Percentage on cost of materials to cover all overheads and profits.	: 15%
2(xi) Standard Schedule of Rates	: As per DSR-2022 & Market Rates
2(xii) Department	: Engineering Department, AIIMS Bhubaneswar.
9(ii) Standard CPWD contract Form	: GCC 2020 & CPWD Form-7/8 as modified & corrected up to last date of receipt of Bid/tender.
CLAUSE 1	
(i) Time allowed for submission of Performance Guarantee, programmer chart (Time and progress) and applicable labour Licenses, registration with EPFO, ESIC and 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 Performance Guarantee amount beyond the period Provided in (i) above	: 01 to 20 Days
CLAUSE 2	
Authority for fixing compensation under clause 2	: Superintending Engineer / Executive Director, AIIMS Bhubaneswar.
Clause 2A	
Whether Clause 2A shall be applicable	: NA
CLAUSE 5	
Number of days from the date of issue of letter of acceptance for reckoning date of start	: 14 Days
Duration of Contract	: 1 year and extendable up-to another 1 year (After issue of work order)
Authority to decide:	
(i) Extension of time:	Superintending Engineer, AIIMS Bhubaneswar, AIIMS Bhubaneswar
(ii) Rescheduling of mile stones	: Superintending Engineer/Executive Director, AIIMS Bhubaneswar
(iii) Shifting of date of start in case of delay in handing over of site	: Superintending Engineer/ Executive Director AIIMS Bhubaneswar

CLAUSE 7

Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment. : **Monthly/Quarterly Basis**

CLAUSE 7 A

Whether clause 7A shall be applicable : **yes**

CLAUSE 10A

: **As required by Engineer-In-Charge**

CLAUSE 10B (i)

Whether Clause 10 B (i) shall be applicable : **Not Applicable**

CLAUSE 10C

Component of labour expressed as percent of value of work : **Applicable**

CLAUSE 10CC

: **Not Applicable**

Clause 11

Specifications to be followed for execution of work : **CPWD Specifications General Specifications for Electrical Works - Internal - 2005 with modification up to last date of tender submission.**

CLAUSE 12

Authority to decide deviation up to 1.5 times of tendered amount : **Executive Director, AIIMS Bhubaneswar**

12.2&12.3

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work : **As per CPWD Works Manual-2019**

12.5

(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items) : **As per CPWD Works Manual-2019**

(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items : **As per CPWD Works Manual-2019**

CLAUSE 16

Competent Authority for deciding reduced rates. : **Superintending Engineer/ Executive Director, AIIMS Bhubaneswar**

CLAUSE 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site : **As required by Engineer -in- Charge**

CLAUSE 19 C.....Engineer- in charge

CLAUSE 19 D..... Engineer- in charge

CLAUSE 19 G Engineer- in charge

CLAUSE 19 K Engineer- in charge

CLAUSE 25

Constitution of Dispute Redressal Committee (DRC) : **AIIMS, Bhubaneswar**

CLAUSE 38 : **Not Applicable**

Financial Bid (Schedule of Quantities)
NIT NO.: AIIMS/BBSR/ENGG. /ELECT. /26/2023

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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).

Part - A. Manpower Component					
Sl. No.	Description of Goods	No. of Person	Period Covers (In months)	Rate Per Unit (Rs.)	Total Value(Rs.)
1	Providing Services of Supervisor (Electrical) for supervision of the maintenance works, preparing estimates and bills and to carry out all works assigned and as per direction of the Engineer-in -Charge (9.00 AM to 5.00 PM-01 No.). Minimum qualification: Diploma/B.Tech in Electrical Engineering or equivalent. Experience: Minimum 5 Year Experiences in Electrical Maintenance work. Category: High Skill	1	12	31644.00	379728.00
2	Providing service of Electricians for Electrical maintenance for all buildings as per the Scope of Work in NIT. Minimum Qualification: ITI in Electrician/Wireman from NCVT/SCVT with Wireman/Lineman License. Experience: minimum 5 Year Experiences in Electrical Maintenance work (All Days services of Electrician) Category: Skilled				
	(i) (Shift-One)- 6.00 AM to 2.00 PM - 1 No. Electrician	2	12	29007.00	696168.00
	(ii) (Shift-Two)- 2.00 PM to 10.00 PM - 1 No. Electrician	2	12	29007.00	696168.00
	(iii) (Shift-Three)- 10.00 PM to 6.00 AM - 1 No. Electrician	2	12	29007.00	696168.00
3	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. (All Days). Minimum qualification: ITI + Trade Certificate in concerned Trade from NCVT/SCVT with Wireman/Lineman License. Experience: Minimum 2 Years Experiences in Electrical Maintenance work. Category: Semi-Skilled				
	(i) (Shift-One)- 6.00 AM to 2.00 PM - 1 No. Electrician Helper	1	12	25068.00	300816.00

	(ii) (Shift-Two)- 2.00 PM to 10.00 PM - 1 No. Electrician Helper	1	12	25068.00	300816.00
	(iii) (Shift-Three)- 10.00 PM to 6.00 AM - 1 No. Electrician Helper	1	12	25068.00	300816.00
4	<p>Providing Services of Enquiry Clerk for recording the complaints received through phone call, E-mail, or any other medium. Assign the works to the Technicians of respective trades as per the benchmark time defined. Update the status of complaints on daily basis on the complaint register and Excel. Update the stock register and prepare the list of items to be ordered. Prepare the shift schedule and submit the same to the Engineer-in-charge monthly. Any other works to be given by the Engineer-In-Charge.</p> <p>Minimum qualification: Graduation having knowledge of computer and proficiency to work in MS office.</p> <p>Experience: minimum 5 Year Experiences in Data entry, MS office & Store keeping.</p> <p>Category: Skilled</p>				
	(i) (Shift-One)- 6.00 AM to 2.00 PM - 1 No. Enquiry Clerk	1	12	29007.00	348084.00
	(ii) (Shift-Two)- 2.00 PM to 10.00 PM - 1 No. Enquiry Clerk	1	12	29007.00	348084.00
Total Amount Inclusive of GST (Part- A) Manpower					40,66,848.00
Part - B	Material Component				
BOQ No	Description of Item	Unit	Qty	Rate per Unit	Amount
1	1.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	2700	25.61	69,147.00
2	2.5 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	3000	39.84	1,19,520.00
3	4 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	4000	59.75	2,39,000.00
4	6 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	600	89.62	53,772.00
5	10 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	400	150.79	60,316.00
6	16 sq. mm FRLS PVC insulated, single core copper conductor cable	Mtr	400	233.31	93,324.00
7	2.5 sq. mm 3 CORE Copper flexible FRLSH CABLE	Mtr	500	307.96	1,53,980.00
8	4 sq mm 3 core copper flexible FRLSH cable	Mtr	400	465.46	1,86,184.00

9	4 sq. mm 4 core XLPE Insulated, PVC sheathed Copper flexible cable	Mtr	100	566.95	56,695.00
10	6 sq. mm 4 core XLPE Insulated, PVC sheathed copper flexible cable	Mtr	100	802.6	80,260.00
11	10 sq. mm 4 core XLPE Insulated, PVC sheathed Aluminium armoured cable	Mtr	100	442.44	44,244.00
12	16 sq. mm 4 core XLPE Insulated, PVC sheathed Aluminium armoured cable	Mtr	100	529.23	52,923.00
13	20 mm iron staples/ saddles/ screws	Each	3000	11.38	34,140.00
14	25 mm iron staples/ saddles/ screws	Each	800	14.23	11,384.00
15	32 mm iron staples/ saddles/ screws	Each	100	22.77	2,277.00
16	20 mm dia. ISI marked, PVC conduit	Mtr	1700	29.88	50,796.00
17	25 mm dia. ISI marked, PVC conduit	Mtr	500	41.26	20,630.00
18	32 mm dia. ISI marked, PVC conduit	Mtr	100	65.44	6,544.00
19	Supply of 9x5 MICA SHEET COVER	Nos.	250	19.92	4,980.00
20	Supply of 5x5 MICA SHEET COVER	Nos.	80	11.38	910.40
21	Supply of 38 mm PVC GRIP	Pkt.	100	56.9	5,690.00
22	20 mm PVC bends	Each	200	11.38	2,276.00
23	25 mm PVC bends	Each	150	15.64	2,346.00
24	32 mm PVC bends	Each	50	25.61	1,280.50
25	20 mm PVC coupler	Each	75	8.53	639.75
26	25 mm PVC coupler	Each	50	9.96	498.00
27	32 mm PVC coupler	Each	50	15.64	782.00
28	20 mm PVC junction box, one way	Each	50	25.61	1,280.50
29	25 mm PVC junction box, one way	Each	50	35.56	1,778.00
30	32 mm PVC junction box, one way	Each	25	42.67	1,066.75
31	20 mm PVC junction box, two way	Each	100	27.03	2,703.00
32	25 mm PVC junction box, two way	Each	25	35.56	889.00
33	32 mm PVC junction box, two way	Each	25	42.67	1,066.75
34	20 mm PVC Flexible pipe	Mtr	550	17.08	9,394.00
35	25 mm PVC Flexible pipe	Mtr	200	19.92	3,984.00
36	Modular GI box for 1/2 module	Each	50	46.94	2,347.00

37	Modular GI box for 3 module	Each	200	58.33	11,666.00
38	Modular GI box for 4 module	Each	50	68.29	3,414.50
39	Modular GI box for 6 module	Each	250	105.28	26,320.00
40	Modular GI box for 8 module	Each	200	128.03	25,606.00
41	Modular GI box for 12 module	Each	100	162.18	16,218.00
42	Modular base & cover plate for 1 module	Each	50	59.75	2,987.50
43	Modular base & cover plate for 2 module	Each	50	59.75	2,987.50
44	Modular base & cover plate for 3 module	Each	350	79.67	27,884.50
45	Modular base & cover plate for 4 module	Each	50	86.78	4,339.00
46	Modular base & cover plate for 6 module	Each	350	112.38	39,333.00
47	Modular base & cover plate for 8 module	Each	200	143.69	28,738.00
48	Modular base & cover plate for 12 module	Each	100	209.13	20,913.00
49	1.5 mtr ceiling fan down rod	Each	50	241.84	12,092.00
50	1 mtr Ceiling fan down rod	Each	50	170.72	8,536.00
51	300 mm Ceiling fan down rod	Each	20	142.26	2,845.20
52	Ceiling rose, 3 pin, 5 A ISI marked	Each	25	28.46	711.50
53	S.P. 5/6 A, one way modular switch, ISI marked	Each	400	48.37	19,348.00
54	S.P. 5/6 A, two way modular switch, ISI marked	Each	25	96.74	2,418.50
55	S.P. 15/16 A, one way modular switch, ISI marked	Each	700	105.28	73,696.00
56	3 pin 5/6 A modular socket outlet, ISI marked	Each	400	89.62	35,848.00
57	6 pin 25 A modular type socket ISI marked	Each	10	177.83	1,778.30
58	6 pin 5/6A and 15/16 A modular socket outlet	Each	600	149.38	89,628.00
59	Modular blanking plate	Each	100	22.77	2,277.00
60	Modular bell push switch	Each	50	88.2	4,410.00
61	6 Amp 3 pin plug Top	Each	125	64.02	8,002.50
62	16 Amp 3 pin plug Top	Each	150	78.25	11,737.50
63	Stepped type Modular Fan regulator (1 module)	Each	30	227.62	6,828.60
64	Stepped type Modular Fan regulator (2 module)	Each	100	312.98	31,298.00

65	Fan capacitor	Each	350	64.02	22,407.00
66	PVC Batten/ Angle Holder	Each	50	31.3	1,565.00
67	Call bell/ buzzer, single phase	Each	50	62.59	3,129.50
68	1/2" PVC Casing Capping	Mtr	300	49.79	14937.00
69	3/4" PVC Casing Capping	Mtr	75	56.9	4267.50
70	1" PVC Casing Capping	Mtr	75	85.36	6402.00
71	1.5" PVC Casing Capping	Mtr	100	99.59	9959.00
72	2" PVC Casing Capping	Mtr	50	120.93	6046.50
73	Electrical contact cleaner(CRC)	Each	10	640.19	6,401.90
74	Grease/petroleum gel	kg	5	284.54	1,422.70
75	Rubber/ PVC bushes	Each	20	35.56	711.20
76	Water Proof Tape	Each	20	711.31	14226.2
77	PVC insulation Tape	Each	700	14.23	9,961.00
78	PVC clip for fixing cable/Casing Capping	Pkt	25	49.79	1,244.75
79	Al. Alloy/ cadmium plated iron screws, 20 mm	Each	10	1.28	12.80
80	100 mm Cable tie lock belt	Pkt	10	128.03	1,280.30
81	150 mm cable tie lock belt	Pkt	10	170.72	1,707.20
82	200 mm cable tie lock belt	Pkt	10	213.39	2,133.90
83	250 mm cable tie belt	Pkt	10	284.54	2,845.40
84	Iron screws, 35 mm X 8 mm	Pkt	60	64.02	3,841.20
85	Iron screws, 40 mm X 6 mm	Each	50	2.57	128.50
86	Iron screws, 45 mm X 6 mm	Each	50	2.57	128.50
87	25 mm X 3mm bolts & nuts	Each	50	5.12	256.00
88	32mm X 8mm bolts & nuts	Each	50	7.68	384.00
89	38mm X 10 mm bolts & nuts	Each	50	12.8	640.00
90	38 mm X 7 mm, bolts and nuts	Each	50	10.24	512.00
91	15 mm long X 6 mm dia G.I. bolts and nuts	Each	50	7.68	384.00
92	10 mm X 25 mm long G.I. bolt with nut etc.	Set	50	15.36	768.00

93	16 mm X 50 mm bolts and nuts with washers	Set	50	12.8	640.00
94	16 mm X 40 mm bolts and nuts with washers	Set	50	12.8	640.00
95	8 mm dia steel Anchor fastener	Each	50	14.23	711.50
96	10 mm dia steel Anchor fastener	Each	75	42.67	3,200.25
97	12 mm dia steel Anchor fastener	Each	25	49.79	1,244.75
98	16 mm dia steel Anchor fastener	Each	25	56.9	1,422.50
99	6 way, SPN, double door, MCB DB	Each	2	1916.29	3,832.58
100	8 way, SPN, double door, MCB DB	Each	2	2310.36	4,620.72
101	12 way, SPN, double door, MCB DB	Each	2	2032.95	4,065.90
102	4 way (4+12), TPN, MCB DB, double door, horizontal type	Each	2	3858.19	7,716.38
103	6 way (4+18), TPN, MCB DB, double door, horizontal type	Each	2	4805.67	9,611.34
104	8 way (4+24), TPN, MCB DB, double door, horizontal type	Each	2	5872.65	11,745.30
105	6 A to 32 A ratings, SP MCB, "C" curve, 10 kA breaking capacity	Each	100	192.05	19,205.00
106	6 A to 32 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	30	621.7	18,651.00
107	40 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	10	1244.8	12,448.00
108	63 A ratings, DP MCB, "C" curve, 10 kA breaking capacity	Each	10	1244.8	12,448.00
109	6 A to 32 A ratings, TPN MCB, "C" curve, 10 kA breaking capacity	Each	10	1236.27	12,362.70
110	40 Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	10	2468.27	24,682.70
111	63Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	15	2468.27	37,024.05
112	100 Amp TPN MCB "C" curve, 10 kA breaking capacity	Each	2	6571.16	13,142.32
113	4 pole MCCB, 40A, 25kA	Each	2	10167.59	20,335.18
114	4 pole MCCB, 63A, 25kA	Each	2	10167.59	20,335.18
115	4 pole MCCB,100A,30kA	Each	2	7999.48	15,998.96
116	4 pole MCCB, 125A, 36kA	Each	2	8480.33	16,960.66
117	4 pole MCCB, 200A, 36kA	Each	1	15994.7	15,994.70
118	4 pole MCCB,250A, 50kA	Each	1	19394.81	19,394.81
119	4 pole MCCB,400A, 50kA	Each	1	45421.94	45,421.94

120	4 pole MCCB,630A, 50kA	Each	1	45880.03	45,880.03
121	20 A SPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	967.39	1,934.78
122	20 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	1418.36	2,836.72
123	30 A, TPN, industrial type socket outlet, with plug top and metal chained cover in sheet steel enclosure	Each	2	3047.29	6,094.58
124	Single pole, blanking plate	Each	20	11.38	227.60
125	Sheet steel DP MCB enclosure	Each	10	426.8	4,268.00
126	Sheet steel TP MCB enclosure	Each	10	503.62	5,036.20
127	Brass compression gland (19 mm) for 2 X 6 sq. mm 1.1 kV grade cable	Each	10	45.88	458.80
128	Brass compression gland (19 mm) for 2 X 10 sq. mm 1.1 kV grade cable	Each	10	45.88	458.80
129	Brass compression gland for (28 mm) 3½ X 25 sq. mm 1.1 kV grade cable	Each	10	107.77	1,077.70
130	Brass compression gland for (32 mm) 3½ X 35 sq. mm 1.1 kV grade cable	Each	10	120.57	1,205.70
131	Brass compression gland for (35 mm) 3½ X 50 sq. mm 1.1 kV grade cable	Each	10	157.91	1,579.10
132	Brass compression gland for (38 mm) 3½ X 70 sq. mm 1.1 kV grade cable	Each	10	198.47	1,984.70
133	Brass compression gland for (45 mm) 3½ X 95 sq. mm 1.1 kV grade cable	Each	10	236.88	2,368.80
134	Brass compression gland for (45 mm) 3½ X 120 sq. mm 1.1 kV grade cable	Each	10	236.88	2,368.80
135	Brass compression gland for (50 mm) 3½ X 150 sq. mm 1.1 kV grade cable	Each	10	304.09	3,040.90
136	Brass compression gland for (57 mm) 3½ X 185 sq. mm 1.1 kV grade cable	Each	10	389.46	3,894.60
137	Brass compression gland for (62 mm) 3½ X 225 sq. mm 1.1 kV grade cable	Each	10	459.86	4,598.60
138	Brass compression gland for (62 mm) 3½ X 240 sq. mm 1.1 kV grade cable	Each	10	459.86	4,598.60
139	Brass compression gland for (70 mm) 3½ X 300 sq. mm 1.1 kV grade cable	Each	10	549.49	5,494.90
140	Brass compression gland for (82 mm) 3½ X 400 sq. mm 1.1 kV grade cable	Each	10	784.22	7,842.20
141	Brass compression gland for (25 mm) 4 X 10 sq. mm 1.1 kV grade cable	Each	10	70.44	704.40
142	Brass compression gland for (28 mm) 4 X 16 sq. mm 1.1 kV grade cable	Each	10	107.77	1,077.70
143	Brass compression gland for (28 mm) 4 X 25 sq. mm 1.1 kV grade cable	Each	10	107.77	1,077.70

144	1.5 sq. mm Ring type copper lugs	Each	50	6.41	320.50
145	2.5 sq. mm Ring type copper lugs	Each	50	6.41	320.50
146	4.0 sq. mm Ring type copper lugs	Each	50	7.11	355.50
147	6.0 sq. mm Ring type copper lugs	Each	50	7.11	355.50
148	10 sq. mm Ring type copper lugs	Each	50	11.38	569.00
149	16 sq. mm Ring type copper lugs	Each	50	14.23	711.50
150	1.5 sq. mm Pin type copper lugs	Each	50	6.41	320.50
151	2.5 sq. mm Pin type copper lugs	Each	50	6.41	320.50
152	4.0 sq. mm Pin type copper lugs	Each	50	7.11	355.50
153	6 sq. mm Pin type copper lugs	Each	50	7.11	355.50
154	10 sq. mm Pin type copper lugs	Each	50	11.38	569.00
155	16 sq. mm Pin type copper lugs	Each	50	14.23	711.50
156	Aluminium lugs for 6 sq. mm cable	Each	50	2.25	112.50
157	Aluminium lugs for 10 sq. mm cable	Each	50	2.99	149.50
158	Aluminium lugs for 16 sq. mm cable	Each	50	4.26	213.00
159	Aluminium lugs for 25 sq. mm cable	Each	50	5.88	294.00
160	Aluminium lugs for 35 sq. mm cable	Each	50	7.04	352.00
161	Aluminium lugs for 50 sq. mm cable	Each	50	10.57	528.50
162	Aluminium lugs for 70 sq. mm cable	Each	50	16.43	821.50
163	Aluminium lugs for 95 sq. mm cable	Each	50	17.6	880.00
164	Aluminium lugs for 120 sq. mm cable	Each	50	24.54	1,227.00
165	Aluminium lugs for 185 sq. mm cable	Each	50	39.48	1,974.00
166	Aluminium lugs for 225 sq. mm cable	Each	20	56.55	1,131.00
167	Aluminium lugs for 240 sq. mm cable	Each	20	68.29	1,365.80
168	Aluminium lugs for 300 sq. mm cable	Each	20	96.03	1,920.60
169	Aluminium lugs for 400 sq. mm cable	Each	20	138.71	2,774.20
170	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 35 sq. mm 1.1 KV grade cable	Set	1	1096.85	1,096.85

171	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 50 sq. mm 1.1 KV grade cable	Set	2	1096.85	2,193.70
172	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 70 sq. mm 1.1 KV grade cable	Set	1	1249.08	1,249.08
173	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 95 sq. mm 1.1 KV grade cable	Set	2	1249.08	2,498.16
174	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 120 sq. mm 1.1 KV grade cable	Set	2	1249.08	2,498.16
175	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 150 sq. mm 1.1 KV grade cable	Set	1	1886.42	1,886.42
176	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 185 sq. mm 1.1 KV grade cable	Set	1	1345.81	1,345.81
177	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 240 sq. mm 1.1 KV grade cable	Set	1	2281.9	2,281.90
178	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 300 sq. mm 1.1 KV grade cable	Set	2	2281.9	4,563.80
179	Outdoor cable jointing kit with cast resin compound with lugs for 3½ X 400 sq. mm 1.1 KV grade cable	Set	2	2747.11	5,494.22
180	Rewinding of Ceiling fan 900/1200 mm sweep.	Each	250	640.19	1,60,047.50
181	Rewinding of wall mounted fan 450 mm sweep.	Each	100	782.45	78,245.00
182	Repairing of fan shaft	Each	50	284.54	14,227.00
183	Rewinding of High speed stand fan 450 mm sweep	Each	50	924.72	46,236.00
184	Rewinding of Exhaust fan 450 mm heavy duty.	Each	20	853.59	17,071.80
185	Rewinding of Exhaust fan 230/300 mm heavy duty	Each	30	640.19	19,205.70
186	Bearing of 1200/900 mm ceiling fan	Each	100	99.59	9,959.00
187	Bearing of 230/300 mm exhaust fan	Each	30	99.59	2,987.70
188	Bearing of 450 mm exhaust fan	Each	30	99.59	2,987.70
189	BEE 5 star rated ceiling fan with brush less direct current (BLDC) motor, basic price for 1200 mm sweep BLDC ceiling fan i/c all accessories/fitting/supports etc.	Each	10	2703.01	27,030.10
190	Supplying of wall mounted 450 mm sweep.	Each	10	3200.93	32,009.30
191	Supply of 300 mm Heavy Duty Exhaust fan	Each	5	2133.96	10,669.80

192	Supplying of Exhaust fan 230 mm heavy duty	Each	15	1707.16	25,607.40
193	Supplying 36 watt 2' X2'LED Recess mounted light fitting	Each	400	2318.9	9,27,560.00
194	Supplying 24 watt 1' X1'LED Recess mounted light fitting	Each	150	1636.03	2,45,404.50
195	Supplying 4'x1' recess mounted 36-watt LED	Each	10	3033.06	30,330.60
196	Supplying 15 watt Round Surface Mount LED	Each	50	668.64	33,432.00
197	Supplying 20 watt Recess Mount LED down light fitting	Each	25	946.06	23,651.50
198	Supplying 20 watt Surface Mount LED down light fitting	Each	20	1066.97	21,339.40
199	Supplying of 9 watt LED Bulb	Each	50	113.82	5,691.00
200	Supplying 18-20 watt LED Tube light fitting	Each	200	284.54	56,908.00
201	Supplying 10 watt LED Tube light mirror fitting	Each	100	270.31	27,031.00
202	Supplying 6 watt Recess mount LED down light fitting	Each	40	398.33	15,933.20
203	Supplying 9 watt Recess mount LED down light fitting	Each	30	569.05	17,071.50
204	Supplying 15 watt Recess mount LED down light fitting(Cut out dia-180mm)	Each	1200	782.45	9,38,940.00
205	Supplying 15 watt Recess mount LED down light fitting (Cut out dia-140mm)	Each	50	711.31	35,565.50
206	Supply of 3 watt LED Strip (Green)	Each	200	213.39	42,678.00
207	Supply of Signage LED Driver	Each	50	142.26	7,113.00
208	Supplying 36 watt FL tube	Each	30	64.02	1,920.60
209	Supplying 28 watt FL tube	Each	100	128.03	12,803.00
210	Supplying 14 watt FL tube	Each	500	116.67	58,335.00
211	Supplying 36 watt PL(4 pin) lamp	Each	50	213.39	10,669.50
212	Supplying 2X36 watt FL electronic choke	Each	30	419.68	12,590.40
213	Supplying 2X28 watt FL electronic choke	Each	30	355.66	10,669.80
214	Supplying 1x36 watt FL electronic choke	Each	30	170.72	5,121.60
215	Supplying 1x28 watt FL electronic choke	Each	40	355.66	14,226.40
216	Supplying PLL starter	Each	100	21.34	2,134.00
217	Supply of Red/Yellow/Blue/Green indication Lamp	Each	300	113.82	34,146.00
218	Supplying 18 watt LED PLL(4 pin) lamp	Each	75	852.16	63,912.00

219	supply of 200 watt Flood light	Each	10	4979.22	49,792.20
220	supply of 25 watt round led recess (cutout dia 196)	Each	25	882.03	22,050.75
221	Supply of Ammeter panel mount(40-700Amp)	Each	20	2297.57	45,951.40
222	Supply of MCCB Rotary Handel(300-630 Amp)	Each	3	2987.54	8,962.62
223	Supply of MCCB Rotary Handel (40-250 Amp)	Each	3	2987.54	8,962.62
224	Supply of RYBN Panel Connector	Each	30	156.49	4,694.70
225	Supply of LT panel hinge	Each	300	85.36	25,608.00
226	Supply of LT panel Door lock	Each	200	174.98	34,996.00
227	Supply of Modular Box Refaxing Struts	Each	100	41.26	4,126.00
228	Supply of 12" Lift Cabin fan	Each	20	3499.68	69,993.60
229	Supply of 1' full thread screw	Each	250	1.41	352.50
230	Supply of 1.5' full thread screw	Each	250	2.85	712.50
231	Supply of 3' full thread screw	Each	100	4.26	426.00
232	Supply of 9 volt Alkaline batteries	Each	10	56.9	569.00
233	Supply of Fan Check nuts	Each	200	284.54	56,908.00
234.0	Supply and Replacement of Projector Lamp (2500 to 5000) lumen type projector)	Each	9	16,509.70	1,48,587.30
235.0	Supply and Replacement of projector DLP chip (2500 to 5000 lumen type projector)	Each	5	17,260.14	86,300.70
236.0	Repairing /servicing/fixing of projector Motherboard (2500 to 5000 lumen type projector)	Each	8	6,003.53	48,028.24
237.0	Repairing /replacement /fixing of projector VGA port /HDMI port /USB port /Power port/ fan /remote (2500 to 5000 lumen type projector)	Each	2	750.44	1,500.88
238.0	Supply and Replacement of projector lens (2500 to 5000 lumen type projector)	Each	4	9,305.47	37,221.88
239.0	Supply of projector power cable (2500 to 5000 lumen type projector)	Each	2	375.22	750.44
240.0	Supply of ceiling/wall Projector mounting kit 4/6 /10 ft	Each	2	5,103.00	10,206.00
241.0	Repairing / fixing / servicing of motorized projector Screen	Each	2	7,354.32	14,708.64

242.0	Supply of 15 mtr HDMI cable male to male with Supports Latest HDMI 2.0b Standard - 4K, UHD, Audio Return Channel (ARC), Category 2 Certified,18 Gbps / 600 MHz Refresh Rate, 2160p, 1080p, 48 Bit Deep Color, Ethernet and is backwards compatible with earlier versions,Connect Blu-Ray Player, Apple TV, Xbox One, PS4, Roku, and laptops with HDMI output to 4K UHD TV, projectors, A/V Receiver.	Each	10	1,801.06	18,010.60
243.0	Supply of 15 mtr VGA CABLE male to male (15 pin VGA cables carries RGB type video signal and has H and V sync option too. This HD-15 connector is compatible with HD TV, LCD TV, LED TV, computer monitor and laptop)	Each	2	750.44	1,500.88
244.0	Supply of projector remote (2500 to 5000 lumen type projector) with 1 year warrantee	Each	3	1,275.75	3,827.25
245.0	Supply of M8x65 Socket Cap Screw (Pack of 100)	Each	1	1,050.62	1,050.62
246.0	Supply of 8 mm Rawl Bolt Fastener	Each	50	16.51	825.50
247.0	Supply of 6 mm Rawl Bolt Fastener	Each	50	12.01	600.50
248.0	Supply of 10 mm Rawl Bolt Fastener	Each	50	25.51	1,275.50
249.0	Supply of Handheld Microphone Windshield Sponge Foam Mic Cover	Each	2	45.03	90.06
250.0	Supply of Tripod Boom Microphone Stand, Tripod boom microphone stand holds microphone securely in place (microphone clip sold separately) 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.	Each	4	2,101.23	8,404.92
251.0	Recoiling /servicing/fixing of 1000 watt speaker	Each	2	1,500.88	3,001.76
252.0	Recoiling /servicing/ fixing of 30 to 100 watt speaker	Each	4	1,050.62	4,202.48
253.0	Recoiling /servicing/ fixing of 110-250 watt loudspeaker	Each	4	1,350.79	5,403.16
254.0	Supply of XLR Female connector, nickel plated connectors	Each	10	75.04	750.40
255.0	Supply of XLR male connector, nickel plated connectors	Each	10	75.04	750.40
256.0	Supply of ULTRA-DI DI20 Professional Active 2-Channel DI-Box/Splitter, Converts 2 independent unbalanced 1/4-inch trs line inputs into 2 balanced xlr outputs, Additional split mode (channel 1 assigns signal to both xlr outputs), Ultra-flat frequency response due to servo-balanced operation with 1 year warrantee.	Each	4	4,052.38	16,209.52

257.0	Supply of Headphones with Super Powerful Bass, Up to 20 Hours Battery Life, Bluetooth 5.0,40mm dynamic driver: The in-built 40mm high performance large neodymium iron boron unit has a bass output that is deep and impactful. The large voice coils, and large diaphragms recreate the front row rock concert experience. These are designed for the bass head, Pressure-less ear muffs: Crafted with soundproof PU material for those who want to listen to music on the go, the soft and cushiony ear muffs reduce strain on your ears. With an adjustable head beam and elastic shafts to rotate the ear muffs, you can customize the listening experience for yourself, Use wired or wireless: Versatile in its conception, the Mi Super Bass Wireless Headphones can be used wired or wirelessly as you find convenient, Compatible with all brands with 1 year warrantee.	Each	1	2,251.32	2,251.32
258.0	Supply of 5 meter Mono Plug 6.35mm to 3.5mm 4 Pole Stereo Audio Jack (Amplifier to Laptop / Mobile connection cable)	Each	5	675.40	3,377.00
259.0	Supply of 1/4" 6.35mm Mono Male Connector Nickel Plated with Spring Strain Relief Plug Coax Audio Microphone Adapter - Solder Type	Each	10	150.09	1,500.90
260.0	Repairing / fixing / servicing of Power Amplifier 50W to 1000W	Each	2	2,251.32	4,502.64
261.0	Repairing / fixing / servicing of Audio crossover	Each	1	1,801.06	1,801.06
262.0	Supply of Flight Case for 20 channel audio Mixer and Lighting DMX	Each	1	4,952.91	4,952.91
263.0	Supply of Microphone/signal cable of Audio, spiral copper shielding ,oxygen free copper center,90% coverage shield and a great signal capability speaker .	Meter	500	45.03	22,515.00
264.0	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	50	45.03	2,251.50
265.0	Supply of Ultra Alkaline 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	150	42.02	6,303.00
266.0	Supply of Ultra Alkaline 9V Battery, Lasts longer much longer vs ordinary zinc carbon batteries 100 percent checked against Leakage, Operates over a wider range of temperature	Each	15	300.18	4,502.70
267.0	Repairing of 20 channel Audio mixture	Each	1	5,253.09	5,253.09
268.0	Repairing of DMX Light Controller Mixture	Each	1	3,001.76	3,001.76

269.0	Repairing of Dimmer Light Controller	Each	1	6,003.53	6,003.53
270.0	Repairing of Wired handed microphone with Receiver	Each	3	750.44	2,251.32
271.0	Repairing of gooseneck Wired microphone	Each	5	450.26	2,251.30
272.0	Repairing of Wireless handed/lapel microphone with Receiver	Each	4	750.44	3,001.76
273.0	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	130	1,350.79	1,75,602.70
274.0	Repairing/Serviceing of CLI analog Telephone handset with telephone coil cord and handel (including all accessories of handset without display)	Each	50	150.09	7,504.50
275.0	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	2	1,200.71	2,401.42
276.0	Supply of Telephone 10-Pair Krone Module, Flawless range, Port: 5 Pair, 8 Pair, 10 Pair and Connection Wire: 0. 4-0. 6mm	Each	5	120.07	600.35
277.0	Supply of Steel Back Mounting Krone Module Frame for 1 Krone Module	Each	5	37.52	187.60
278.0	Supply of 10 Pair Telephone Junction Box ,Material Mild Steel, Shape Rectangle, Thickness 25-50 mm, Finish Type Polished, Number of Pair 10.	Each	4	300.18	1,200.72
279.0	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	900.53	1,801.06

280.0	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	10	105.06	1,050.60
281.0	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	2,101.23	2,101.23
282.0	Supply of 6 inch self-locking 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	Each	4	720.42	2,881.68
283.0	Supply of 4 inch self-locking 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	Each	4	705.41	2,821.64
284.0	Supply of Zip Tie Mount 0.75 Inch 20mm Black Small Wire Tie Adhesive Mounting, 100 Pieces. perfect for Wire Clips Cable Management Cable Tie Anchors ,Durability Pro-grade UV Wire Holder	Each	2	1,350.79	2,701.58
285.0	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	2	1,050.62	2,101.24

286.0	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	2	1,200.71	2,401.42
287.0	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	2	1,125.66	2,251.32
288.0	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	2	1,185.70	2,371.40
289.0	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	2	1,650.97	3,301.94
290.0	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	2	1,756.03	3,512.06
291.0	Supply of Single Port Telephone Junction Surface Rosette Mount Modular Jack Block Box.	Each	30	105.06	3,151.80
292.0	Supply of 2 Pair Telephone Cable -0.5 mm, voice-grade copper ,Unarmored, Insulation: High Density Polyethylene; Rip Cord: Nylon ;Conductor Material Copper	Meter	1500	10.51	15,765.00
293.0	Supply of 1/2 Port Wall Socket Screw Connection RJ11 6P6C Telephone Surface Mount Box	Each	20	450.26	9,005.20
294.0	Supply of RJ12 6P6C Data Cable Male to Male 2Straight Wiring Black (Straight Wiring) 3 Feet	Each	10	210.12	2,101.20
295.0	Supply of power adapter (input : 150 - 270V AC; output : 12/9V DC)	Each	20	150.09	3,001.80
296.0	Repairing of power adapter (input : 150 - 270V AC; output : 12/9V DC) including cable and connector.	Each	5	60.04	300.20
297.0	supply of RJ 11 Telephone I/O Faceplate	Each	40	97.56	3,902.40
298.0	Supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 X 38mm pack of 1000 pic	Each	1	1,005.59	1,005.59
299.0	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 50mm of 1000 pic	Each	1	1,425.84	1,425.84
300.0	supply of black phosphate bugle head twin thread uncollated drywall screws 3.5 x 75mm of 1000 pic	Each	1	1,470.86	1,470.86
301.0	Supply of RJ11 Telephone Socket I/O	Each	80	150.09	12,007.20
302.0	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	732.43	1,464.86

303.0	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	585.34	1,170.68
304.0	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	540.32	1,080.64
305.0	Supply of shielded RJ11/RJ12 Modular Transparent Clear Male Plug Crimp Connector for Stranded Telephone Cord Cable Wire	Each	100	7.50	750.00
306.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 10 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Meter	40	220.63	8,825.20
307.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 20 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Meter	20	337.70	6,754.00
308.0	Supply of Armoured Jelly Telephone Cable, Number Of Pairs 50 ,Insulation Material PVC, Nominal Area of Conductor 0.5 mm, Conductor: Copper ,Suitable For Networking, Telecommunications	Meter	20	628.87	12,577.40
309.0	Supply of 25mm GI Saddle without Base	Each	100	1.50	150.00
310.0	Supply of 20mm GI Saddle without Base	Each	100	1.35	135.00
311.0	Supply of Cat6E UTP Cable, frequency from 250 MHz to 600 MHz, CAT6e cable with grounded foil shielding can reach 10-Gigabit Ethernet speeds without having to reduce the maximum length of 100 meters.	Meter	700	15.01	10,507.00
312.0	Supply of shielded RJ 45 Cable Connector	Each	400	7.50	3,000.00
313.0	Repairing and fixing of Telephone Handset 1+1 including display , coil cord , Handel and mother board (All Component)	Each	15	900.53	13,507.95
314.0	Supply of Cassette Junction Case Box Repair Device (90cm) and crews (52cm) ,Type:86 Type, Material: Copper/AL/GI Plating, Adjust range:60-90cm , Application:86 Type wall plate switch & socket ,Feature: With Height adjustment bar. Bullet shape head, easy to install and fix. Double-headed wrench installation is more flexible. Surface Copper Plating Upgrade Appearance and Function. Up-and-down thread adjusting height according to actual needs.	Each	100	300.18	30,018.00
315.0	Repairing and Servicing of LED signage board Includes LED module, acrylic, ACP sheet.	Run. inch	500	180.11	90,055.00

316.0	Repairing of long through mono color spot light/linear light ,Protection Rating : IP65, . Power consumption : 15 to 20 W, CCT : 3200K/5600K, Surge Protection : Inbuilt surge protection 2KV-4KV.	Each	30	825.48	24,764.40
317.0	Repairing of long through mono color spot light/linear light ,Protection Rating : IP65, . Power consumption : 40 to 60 W, CCT : 3200K/5600K, Surge Protection : Inbuilt surge protection 2KV-4KV	Each	4	1,125.66	4,502.64
318.0	Supply of IP65 power connectors having 3/4 pole cable connector	Each	10	300.18	3,001.80
319.0	Telephone Handset 1+1 ;Intercom facility between two phones, two way speakerphone	Each	10	4,410.17	44,101.70
320.0	Supply of Glow sign board 600 - 800 W electronic driver (AC-DC)	Each	10	2,845.27	28,452.70
321.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 1 meter	Each	50	113.81	5,690.50
322.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 3 meter	Each	40	142.26	5,690.40
323.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 5 meter	Each	40	184.94	7,397.60
324.0	RJ11 Telephone Line Wire Patch Cable Compatible for Landline, Telephone (Black) - 10 meter	Each	40	241.85	9,674.00
Total Amount Including GST (Part – B) Material Component					70,34,394.66
Total Amount (Say)					70,34,395.00

PERFORMA FOR QUOTING RATES

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 2024-2025 at AIIMS, Bhubaneswar (Sub Head: Outsourcing of day-to day maintenance services of Electrical Works).	
e-NIT No : <u>AIIMS/BBSR/ENGG. /ELECT. /26/2023</u>	
Estimate Cost put to tender :- Rs. 1,11,01,243.00	
Name of Contactor -	
Material Component & Manpower (Part-A & Part-B)	
Manpower Component (Part – A) Total Amount (including GST) in Rs	40,66,848.00
Service Charge Percentage above/at per the Total Estimated Manpower component cost (The bidders are requested to quote the price for service charge minimum 3.85% and maximum 7.00%). The price quoted outside this range will not be considered and bid will be rejected)	
% in words	
Total Amount (Rs.)	
Total Amount of Material Component (Part – B) including GST in Rs.	70,34,395.00
Percentage above/below the total estimated cost	
% in words	
Total Amount (Rs.)	
Total Amount (Part- A + Part – B including of GST) Rs	
Percentage above/below	

(Rupees _____ only)

NOTE: The rate quoted by the firm for the manpower component should be as per the payment of wages act (33) of the conditions of the NIT. The offer will not be considered if the firm's quoted rate for manpower is less than the rates as per the minimum wages category mentioned by the Ministry of Labour, Government of India.

Note:-

1. 'L-1' will be decided on composite basis be on basis of total of Part 'A' & 'B' .
2. **MR = To be read as Market Rate.**
3. The Bidder must submit Financial Bid in On-Line Mode.
4. I/We have gone through the terms & conditions as stipulated in the tender and confirm to accept and abide the same.
5. No other charges would be payable by the Institute
6. Quantity mentioned above is tentative, it may increase or decrease as per site requirement.
7. 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.
8. In case of non-availability of material of approved make, prior approval from Engineer-In-Charge shall be obtained for another make.
9. Before deputing the required man power recommended C.V. should be submitted & approved by E.I.C for consideration
10. he quoted should be inclusive of GST as applicable

Name : _____

Business Address : _____

Signature of the Bidder :-

Date : _____

Place : Bhubaneswar

Seal of the Bidder _____

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.