

# Notice Inviting e-Tender For

## **“SITC of High mast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**



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NIT No.	:	<b><u>AIIMS/BBSR/ENGG. / ELECT. /65/2025</u></b>
Estimated Cost	:	<b>Rs. 1,33,70,594.00/- (Including GST)</b>
EMD	:	<b>2% of the Estimated Value.</b>
Performance Guarantee	:	<b>5% of Tendered Value</b>
Security Deposit	:	<b>2.5% of Tendered Value</b>
Last date of online submission	:	<b>21/08/2025 (13.00 hours)</b>
Last date of Hard Copy submission	:	<b>22/08/2025 (15.00 hours)</b>
Tender Issue Date	:	<b>28/07/2025</b>
Completion Period	:	<b>90 days.</b>

“Certified that, this tender document contains **50 nos.** of Pages.

Executive Engineer (Electrical)  
AIIMS, Bhubaneswar

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

**Name of Work :** SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.

**NIT No. :** **AIIMS/BBSR/ENGG. /ELECT/65/2025**

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### **INFORMATION AND INSTRUCTIONS TO BIDDERS FOR e-TENDERING**

The Executive Engineer (Electrical) AIIMS, Bhubaneswar, (Phone - 0674 – 2476083, Email - eeel@aiimsbhubaneswar.edu.in) invites on behalf of Executive Director, AIIMS, Bhubaneswar, Percentage Rate Tender from Valid Electrical license holder (MV or Above) contractor of repute in Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, MES, any central Govt, State Govt., PSU and autonomous body (central and state) having successfully completed works of similar nature as per eligibility criteria for the following work.

Ser. No.	Description	Details
(a)	NIT No.	<b>AIIMS/BBSR/ENGG. /ELECT. /65/2025</b>
(b)	Name of Work:	<b>SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.</b>
(c)	Estimated Cost	<b>Rs. 1,33,70,594.00/-</b> (Rupees One crore thirty-three lakhs seventy thousand five hundred ninety-four only) including GST.
(d)	EMD	<b>2% of the Estimated Value.</b>
(e)	Period of Completion	<b>90 days</b>
(f)	Date for Site Visit	<b>by 03/08/ 2025 , 15.00 Hours</b>
(g)	Date for Pre bid meeting	<b>04/08/ 2025 by 15.00 Hours</b>
(h)	Pre-bid Queries by the bidder.	<b>From 29.07.2025 (11:00 Hrs.) to 03.08.2025 (15:00 Hrs.)</b>  The queries can be sent through e-mail to e-mail id : eeel@aiimsbhubaneswar.edu.in cc : se@aiimsbhubaneswar.edu.in
(i)	Pre-bid clarifications shall be uploaded in CPP website on	<b>11/08/ 2025 at by 17.00 Hours</b>
(j)	Last date and time of online submission of tender	<b>By 21/08/2025 at 13:00 Hours through online.</b>
(k)	Last date and time of hard copy submission	<b>By 22/08/2025 at 15:00 Hours.</b>
(l)	Time and date of online opening of Tender (Technical Bid)	<b>23/08/2025 at 13:00 Hours.</b>
(m)	Time and date of opening of Online Financial Bids	Will be intimated later through the website
(n)	Period during which <b>hard copies</b> of uploaded documents as Earnest Money Deposit(original), Registration Certificates, Undertaking and other Documents to be submitted to the Executive Engineer (Electrical), AIIMS, Bhubaneswar office by the Bidders for reference. <b>However, the Eligibility will be considered as per uploaded documents.</b>	To be submitted <b>on 22/08/2025 at 15:00 Hours.</b> duly signed by the bidder in all the pages and Self Certified copies of other Eligibility Documents in the Office of EE (Electrical) within Last date of calling of tender. In case the last day happens to be closed due to holiday, these Documents shall be submitted on the next working day.

1. The intending bidder must read the terms and conditions of Tender document carefully. He should submit his bid if he considers himself eligible and he is in possession of all the certificates / documents required.

2. Information and Instructions for bidders for e-tendering posted on website shall form part of bid document.
3. The bid document consisting of NIT, plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from <https://eprocure.gov.in/eprocure/app> or [www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in) free of cost.
4. For e-Tendering of this Tender, kindly visit website <https://eprocure.gov.in/eprocure/app> E-Tendering Portal: <https://eprocure.gov.in/cppp> For E-tendering Queries contact CPPP Help Desk.
5. The intending bidders must have valid class-III digital signature to submit the bid.
6. The e-tender Processing Fee for submission of bid shall be as per the guidelines of CPP portal.
7. Copies of eligibility documents and Earnest Money Deposit. as specified in the notice inviting tender shall be scanned and uploaded on the e-tendering website within the period of tender submission. Bidders can upload documents in the form of JPG format, PDF format and any other format as permissible by the e-tendering portal.
8. Contractor must ensure to quote the percentage rate in Performa of quoting rates. In addition to this while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (zero). However, if a tenderer does not quote any percentage above/below on the total amount of the tender or any section /sub head in percentage rate tender or each item in item rate tender, the tenderer shall be treated as invalid and will not be considered as lowest tenderer. (Refer Annexure-I)
9. GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labour welfare cess, water charges (if applicable), electricity charges (if applicable) and the same shall be recovered from the contractors' bills and will be remitted by the department.
10. After submission of bid online, it can be revised any number of times before specified time on last date of submission of bid. While submitting the revised bid, bidder can revise the rate 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.
11. Financial bids shall be opened online only for bidders for whom EMD and other documents are found in order and who are found to be eligible to bid for work. On opening date, the bidder can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
12. If the contractor is found ineligible after opening of bids, his bid shall become invalid.
13. 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.
14. **The bidders are requested to visit the site before submitting the tender.**
15. **Pre-bid Conference shall be conducted in the chairmanship Superintendent Engineer, AIIMS Bhubaneswar and any clarification regarding tender in pre-bid meeting will be published as a corrigendum after approval of AIIMS authority.**
16. ***The Bidders shall have to submit original documents of Earnest Money Deposit and self-certified copies of all the scanned and uploaded documents on same day of opening of tender in the office of Tender Opening Authority before online opening of e-Tender. List of Eligibility Documents to be scanned and uploaded within the period of bid submission: -***

- (a) Demand Drafts/FDR/BG of any scheduled Bank against EMD in favor of AIIMS, Bhubaneswar.
- (b) Annexure – “I to V” duly filled in (Pages 26 & 29 ref.) and signed.(attach separate sheet if required)
- (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 – 3 & 4, Page No. – 7 refer under Eligibility Criteria.
- (d) Certificate of Registration for GST and acknowledgement of up to date filed return if required.
- (e) Copy of PAN Card.
- (f) Copies of undertaking from Annexure-I to V.
- (g) Copies of Valid Electrical (MV/ Higher) License. Other state Valid (MV/ Higher) Electrical license endorsed by govt. of Odisha.
- (h) Declarations to be given by the Tenderers (as per Page 06.).
- (i) Each page of the e-tender documents should be duly signed with seal otherwise the bid shall become invalid.
- (j) Scanned copy of original solvency to be uploaded.
- (k) Copies of ESI Registration (Enclose latest challan copy).
- (l) Copies of EPF Registration (Enclose latest challan copy).
- (m) OEM authorization for providing the design, drawing and materials of LED sports lights, High masts as per specifications.
- (n) Certificate of financial turn over of last 3 years duly certified from CA: At the time of submission of bid, bidder may upload affidavit/ certificate from CA mentioning finance turn over for the period specified in the bid document. Further details if required may be asked to the contractor after opening of technical bid. There is no need to upload entire voluminous balance sheet.

#### **17. FRAUD AND CORRUPTION:**

- 17.1 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.
- 17.2 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.
- 17.3 The Contractor shall be debarred for 1 year from participating in tenders of AIIMS, Bhubaneswar for the following reason-
  - (i) If the contractor submits false experience/completion certificates, **as mentioned in Ser. No. - 4(a), (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.
- 18. The Technical Bid(s) shall be opened first by the Committee above mention date. 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.
- 19. **Information & Instructions to bidders for e-tendering** will form Part of NIT.

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

## **DECLARATIONS TO BE GIVEN BY THE TENDERERS**

**It is to certify that: -**

(a) I /We have gone through GCC of CPWD amended up to the latest correction as available on website <https://eprocure.gov.in/eprocure/app> / [www.aiimsbhubaneswar.nic.in](http://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 13 of CPWD W-6 is/are employed in AIIMS **Bhubaneswar Engineering Division**. 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”.

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

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

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

**Date:** \_\_\_\_\_

**Signature of the Tenderer**

**GENERAL CONDITIONS FOR CONTRACT**  
**(CPWD-6 FOR E-TENDERING)**

The Executive Engineer (Electrical), AIIMS, Bhubaneswar invites on behalf of Executive Director, AIIMS, Bhubaneswar, **Percentage** Rate Tender from Valid Electrical license holder (MV or Above) contractor of repute in Two (02) Bid system (Technical & Financial) from eligible contractors of CPWD, AIIMS, MES, any central Govt, State Govt., PSU(Central/State) and autonomous body etc. having successfully completed works of similar nature as per eligibility criteria for the following work.

**1.Name of Work: e-Tender for “SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**

2. The work is estimated to cost **Rs. 1,33,70,594.00/-** (Rupees One crore thirty-three lakhs seventy thousand five hundred ninety-four only) including GST. The estimate, however, is given merely as a rough guide.

3. Intending Bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works. The similar work means, **“Supply , Erection, Testing & commissioning of highmast stadium flood light system in any Central Govt., State Govt., PSU (Central/State) and Autonomous Body (Central/State).”**

4. **Eligibility Criteria.** Indenting Bidder, who fulfill the following requirement shall be eligible to apply: -

(a) Three (03) similar works each of value **not less than 40%** (i.e. for **Rs. 53,48,238.00/-**) of estimated cost put to tender [out of which atleast one work should have the scope of SITC of stadium lighting work ]

or Two (02) similar works each of value **not less than 60%** (i.e. for **Rs. 80,22,356.00/-**) of estimated cost put to tender [out of which atleast one work should have the scope of SITC of stadium lighting work ]

or one (01) similar work of value **not less than 80%** (i.e. for **Rs 1,06,96,475.00/-**) of estimated cost put to tender [ BOQ of the work should contain the scope of SITC of stadium lighting work ] in **last 07 (Seven) Years** ending last date of tender submission.

(b) The bidder should have positive net worth and should not have incurred loss in last 03 (Three) Years ending i.e. by **31<sup>st</sup> March 2025**, duly certified by Chartered Accountant.

(c) The experience of similar work should be from Central Govt., State Govt., PSU (Central/State) and Autonomous Body.

(d) **The Bidder/Firm should have Valid Electrical (MV/ Higher) License from ELBO Odisha. Other state Valid (MV/ Higher) Electrical license endorsed by govt. of Odisha.**

(e) **The bidder should submit OEM authorization for providing the design, drawing and materials of LED sport lights. if the bidder will fail to upload the manufacturing authorization certificate the bid shall be summarily rejected. Format attached at Annexure – VII.**

(f) **The OEM shall take responsibility of all technical support like design support, aiming & commissioning of lighting system and it's performance. If OEM is participating in the tender directly then he/she can not give authorization to any other Agency else the candidature of authorized agency will not be considered.**

(g) Agreements shall be drawn with the successful bidders for item/items on the prescribed format. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.

(h) 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.

(i) Conditional Bids shall not be considered and will be out-rightly rejected at the very first instance.



5. **Preparation & Submission of Tender through Online.** The Tender should be submitted in 02 (Two) parts i.e. **Technical Bid and Financial Bid respectively**. The Technical Bid should be sent by the Bidder through online as **“Technical Bid”** for **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**

6. **Earnest Money Deposit.** The bidder shall be required to submit the Earnest Money Deposit (EMD) for an amount of **2% of Estimate value** by way of Demand Drafts/FDR/BG. **Scanned Copy of the Demand Drafts must be uploaded and the original DD must be submitted** with the Technical Bid documents. Bid(s) received in tender without Demand Drafts of EMD will be rejected. The EMD of the successful Bidder shall be returned after the successful submission of Bank Guarantee/Annual Deposit and, for unsuccessful bidder(s) it would be returned after Award of the Contract.

**EMD exemption is not applicable for this tender.**

7. **Performance Guarantee.** The successful contractor will be required to furnish a Performance guarantee of **05% (Five Percent)** of Contract Value after receiving notification of award in the form of Fixed Deposit Receipt or Bank Guarantee from any Scheduled Bank (as per clause-v) in the name of the "All India Institute of Medical Sciences, Bhubaneswar" which shall be kept valid for a period of 6 months beyond completion of all the contractual obligations. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the EMD will be forfeited.

The Performance guarantee can be forfeited by order of this Institute in the event of any breach or negligence or non-observance of any condition of contractor for unsatisfactory performance or non-observance of any condition of the contract. The performance guarantee shall be returned to the contractor (without any interest), after recording of the completion certificate for the work by the competent authority or till the completion of the contractor's performance obligations (including Warranty/Guarantee period).

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 online. For any query, Executive Engineer (Electrical), Phone: 0674 – 2476083, AIIMS, Bhubaneswar, may be contacted. **Mail id- [eeel@aiimsbhubneswar.edu.in](mailto:eeel@aiimsbhubneswar.edu.in)**

10. The Executive Director, AIIMS, Bhubaneswar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed conditions is not fulfilled or any condition including that of the 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 Executive Director, AIIMS, Bhubaneswar reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.

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 Assistant Engineer (both inclusive). He shall also intimate the names of person who are working with him in any capacity or are subsequently employed by him and who are near



relatives to any gazetted officer in the AIIMS, Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

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 afore said 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 180 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 "(A) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto & (B) Standard CPWD Form-7."

18. **The followings amount are included in the tendered cost.**

- (a) Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor. ( Will be released to Contractor after successful completion of DLP Period which is 5 years form the completion of the work)
- (b) The Income Tax as applicable shall be deducted from the Bill unless exempted by the Income Tax Department.
- (c) The quoted Rates shall be inclusive of GST.
- (d) If Electricity from AIIMS Bhubaneswar is used by the vendor, then the vendor shall be charged for the electricity consumed as per the relevant rates. The vendor shall provide the Energy Meter for calculation of the actual unit consumed.
- (e) Labour CESS @ 01% will be deducted from the Bill.
- (f) Water Charges @1% of the Gross bill amount will be deducted if the water supply is taken from AIIMS Department.

19. **Terms of Payment: -**

(a) **70 %** payment will be released after receiving of Highmast material and LED lights and after acceptance of the same by the Engineer -In-Charge or his representative.

(b) **The balance 30% payment will be released after the due verification of final bill by Engineering-in Charge or his representative after completion of work. The deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bill.**

© Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor. ( Will be released to Contractor after successful completion of DLP Period which is 5 years form the completion of the work) .

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

(e) The Following documents as applicable shall be produced in physical and self-attested soft copy in pdf format shall be submitted though the e-mail to Engineer-in-Charge by the Agency with the invoice and bill:

1. Copy of invoice.
- 1 Work Completion Certificate
- 2 Testing & Commissioning Certificate
- 3 Material Test Certificate

- 4 Warranty/Guarantee Certificate
- 5 Colour Photos of Executed work at different stages on glossary paper
- 6 No-Claim Certificate (NCC) regarding work
- 7 GST return up to date Voucher.
- 8 Bank Account Details
- 9 Clause-32 certificate for engagement of technical staff.

**20. Penalty:**

1. In case of any failure of / delay in services the penalty shall be invoked as per Clause-2 of GCC of CPWD works manual -2023 as per schedule F.
2. All the work shall be completed within 90 days from the date of issue of work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1% per month of delay to be computed on per day basis shall be levied subject to maximum of 10% of the total tender value.

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

(a) GENERAL REMARKS ON TAXES & DUTIES: In view of GST Implementation from 1st July 2017, all taxes and duties including Excise Duty, CST/VAT, Service tax Entry Tax and other indirect taxes and duties have been submerged in GST. Accordingly, reference of Excise Duty, service Tax, VAT, Sales Tax, Entry or any other form of indirect Tax except of GST mentioned in the bidding document shall be ignored.

(b) Bidders are required to submit copy of the GST Registration certificated while submitting the bids wherever GST (CGST & SGST/UTGST or IGST) is applicable.

(c) "GST shall mean Goods and services Tax charged on the supply of material(s) and services. The term 'GST' shall be construed to include the integrated Goods and Services Tax (Hereinafter referred to as "IGST") or central Goods and Services Tax (hereinafter referred to as "CGST") or State Goods and services Tax (Hereafter referred to as "SGST") or union Territory Goods and services Tax (hereinafter referred to as "UTGST").

(d) Quoted price/rate(s) should be inclusive of all taxes and GST (i.e. IGST or CGST and SGST /UTGST applicable in case of interstate supply or intra state supply respectively and cess on GST if applicable) on the final service. However, GST rate (including cess) to be provided in the respective places in the price Bid. Please note that the responsibility of payment of GST (CGST & SGST or IGST or UTGST) lies with the supplier of Goods/services (service provider) only. Supplier of Goods/Service (Service provider) providing taxable service shall issue an invoice/Bill, as the case may be as per rules/regulation of GST. Further, returns and details required to be filled under GST laws & rules should be timely filed by supplier of Goods /services (Service provider) with requisite details.

20. 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/ **The Contract Labour (Regulation and Abolition) Central Rules, 1971.**
- (d) The Payment of Bonus Act, 1965.
- (e) The Payment of Gratuity Act, 1972.
- (f) The Employees State Insurance Act, 1948.
- (g) The Employment of Children Act, 1938.
- (h) The Motor Vehicle Act, 1988.
- (i) Minimum Wages Act, 1948.

**22. Breach of Terms and Conditions.** Noncompliance of any terms and conditions enumerated in the contract shall be treated as breach of contract. Or In Case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to reject the bid at any stage without assigning any reason

thereof and nothing will be payable by AIIMS, Bhubaneswar in that event the firm shall be suspended for One Year.

23. **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.

24. **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.

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

**Executive Engineer (Electrical)  
AIIMS Bhubaneswar**

### **CONDITIONS FOR ELECTRICAL WORKS**

1. **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**
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. Any facility not mentioned in this scope, but which is vital to **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”** are assumed to be included in the scope of work.
6. **Before commencement of the work the vender needs to submit all the following documents to take necessary approval of the EIC.**
  - (i) **The vendor needs to submit the Structural design drawing with soil testing report and High mast pole design drawing which can withstand the wind speed of 200 KM/Hr and gust speed of 220 KM/Hr or above and duly vetted by a structural Consultant from any reputed Govt. Institute/Organisation. The cost towards design and approval from the structural consultant has been included in the estimate cost, hence no extra amount will be paid for the costing of design, drawing and vetting.**
  - (ii) **The vendor needs to submit the Illumination/ Lightening design with beam angle and positioning from the OEM so that an average of 500 lux or above with a minimum of a particular area not less than 350 lux need to be maintained through out the main ground.**
  - (iii) **The vendor needs to submit the panel design of both the main panel and feeder pilars from the CPRI approval manufacturer as per the specification for necessary approval.**
  - (iv) **The vendor needs to take approval of EIC of all the designs, Technical details and makes of all materials to be used.**
- 10 **The cost of preparing samples , Preparation of design and drawing, vetting and carrying out soil test and other relevant tests for quality of material or workmanship will be borne by the Agency. The cost of all test carried out by Laboratories directed by the Engineer-in-Charge will also be borne by the Agency.**
- 11 Other agencies working at site will also simultaneously execute the work entrusted to them and the Agency shall offer necessary co-operation wherever required to other agencies.
- 12 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.
- 13 The work shall be carried out in a manner complying in all respects with the requirements of relevant by laws of the local bodies, Labour Laws, minimum wages act, workmen compensation act and other statutory laws enact by Central Govt. as well as State Govt.
- 14 No residential accommodation shall be provided to any of the staff engaged by the Agency. The Agency shall not be allowed to erect any temporary set up for staff in the campus.

15 No claims of the labours shall be entertained by the Department including that of providing employment, regularization of services etc.

16 The Agency 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.

17 The Agency 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.

18 The personnel and labourers engaged by the Agency under this contract shall wear neat and clean uniforms approved by the Engineer-in-Charge along with name badges. Identity card duly countersigned by the Engineer-in-charge or his representative shall be issued to each personnel by the Agency to have proper identifications. The character and antecedents of the staff employed by the Agency shall be got verified from the police by the Agency.

19 No worker shall be employed for more than 8 hours, the firm/Agency shall maintain wage record and he should not pay wage less than the minimum wages as prescribed/amended by the labour Department/Govt. from time to time.

20 Staff employed by the Agency should be well behaved, polite & courteous. Any complaint against staff on behaviour should be taken very seriously and such staff should be removed by the Agency immediately from the site with replacement of a suitable candidate.

21 All dismantled material will be removed from site by Agency after duly verification and measurement of the same by JE/AE.

22 The Agency 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 Agency. The department shall not be responsible for any mishap, injury, accident or death of the Agency's staff. No claim in this regard shall be entertained / accepted by the department. Also, Agency is responsible to the damage caused to any man/material other than his team during execution, and AIIMS will not be responsible for that.

23 Agency shall be fully responsible for any damages caused to govt. property or allotter's property by him

24 or his labour in carrying out the work and shall be rectified by the Agency at his own cost.

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

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 and designs approved.
- 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 Agency shall keep all such publications of relevant Indian Standards applicable to the worksite at his own cost.

- 27 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.
- 28 No permanently /temporary huts /structures shall be constructed by the Agency 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.
- 29 Any damage to the building structure, fittings or any other articles etc. done by the Agency on his workman during the execution of the work shall be made good by the Agency at his own cost.
- 30 The Agency shall clear the site property after the completion of the work.
- 31 Payment shall be made on after successful completion of work and due Certification of the Bills by the Engineer-in-Charge.
- 32 Agency has to ensure safety and provide adequate supervision/precautions during the work.
- 33 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 Agency 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.
- 34 **The tender shall be based on Conditions of Contract and tenderers are required to quote their own Percentage rates above/below against schedule of quantities, which is enclosed. All rates shall remain firm for the contract period/extended contract period.**
- 35 **If the Agency 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 Department shall forfeit the earnest money deposited by him along with the tender.**
- 36 All the works to be carried out in accordance with latest CPWD/BIS Specifications and as per the directions of Engineer-in-charge.
- 37 **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.
- 38 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.
- 35 The work shall be carried out strictly as per the attached technical specifications, approved make relevant IS specifications, Indian Electricity Rules & National Electrical Code.
- 36 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 Agency for the same.
- 37 The watch and ward of material and installation shall rest on the part of Agency during execution of work and till handing over of the same after completion of work in accordance with schedule of work.
- 38 The Agency 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 Agency without any extra cost.
- 39 Dismantled/ un-used materials to be deposited at Engineering Dept. by the Firm.
- 40 Minor welding work as and when required to be carried out by the Agency.
- 41 The all electrical works to be done as per I.E rule 1956 and its latest update.



42 **Warranty/Guarantee: Onsite warranty/Guarantee shall be provided for Five years on LED sports lights, High mast and its accessories, Man rider and One year warranty/Guarantee for all other items of the BOQ.** Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor and which will be released to Contractor after successful completion of DLP Period which is 5 years from the completion of the work.

43 All safety appliances like Safety shoes, Safety gloves, Safety helmet, Safety belt, Safety goggles etc. shall be arranged by the Agency before starting the job.

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

45 **Site engineer as per clause 32 of Proforma of Schedules shall be deployed at site for supervising the work. The Site engineer as per clause 32 should not be absent when work is in progress.**

#### **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 and specification (enclosed).**

2. In the event of any variation between CPWD specifications and that in the IS code the former shall take precedent over the later. In the event of variation between the nomenclature of item as per schedule of quantities and specifications, the former shall prevail.

3. **The sample of all the items shall have to be got approved by the Agency from the Engineer-in-Charge/Executive Engineer before the supply commences. The approval of sample shall be only in respect of workmanship and finish, and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received as per additional conditions. This decision is the prerogative of Engineer-in-Charge.**

4. The Agency shall furnish the manufacture's certificate that the material supplied satisfy the requirements of the relevant specifications.

5. **Any defect/ damage observe at the time of material supply, the material will be replaced by new one.**

6. 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 Agency. The testing charge in respect of satisfactory test shall be borne by the Agency. All other expenditure required to be incurred for making available the sample conveyance and packing etc., shall be borne by the Agency himself. In case any sample of particular lot fails in testing the Agency shall be bound to replace the entire lot with fresh material of prescribed specifications and the rejected lot shall only be returned to the Agency after fresh lot is supplied.

7. After completion of work, the defective and damaged materials (Spare/Equipment/Scraps) shall be handed over to the AIIMS Authority or to be removed by the Agency at his own cost.

8. 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 Agency.

9. Specialized services as indicated in the contract must be done through authorized dealer or service centre or manufacturer only. The Agency will submit the GST invoice for the equipment's or spares purchased from manufacturer or authorized dealer. Similarly, for services the agency shall submit the service report from authorized service centre or dealer for processing the payment.

**Executive Engineer (Electrical)  
AIIMS Bhubaneswar**

**SIGNATURE OF THE CONTRACTOR**



## Specification & Preferred Make

Sl. No.	Description of Item	Specification
<u>1</u>	25 mtr High Mast with all accessories.	<ol style="list-style-type: none"> <li>1. For 25 meter height masts used for stadium purpose suitable for 16 Nos 1000 W non integral driver type metal body LED flood Light.</li> <li>2. The mast structure shall be suitable to sustain an assumed maximum reaction arising from a wind speed as per IS 875 Part-3 2015 base wind speed above 200 km/hr and gust wind speed of speed above 220 Km/Hr.</li> <li>3. <b>The steel used in the construction of the masts shall comply with IS 2062 grade E350 / BS EN 10025 or Equivalent having minimum yield strength of 350 Mpa, Tensile strength 490 Mpa</b></li> <li>4. The High mast shall be of continuously tapered, ,regular polygon of 20-sides, presenting a good and pleasing appearance and shall be based on proven In-Tension design conforming to the standards referred to above to give an assured performance and reliable service.</li> <li>5. The mast shaft shall be manufactured from high tensile steel plates confirming to IS 2062/ BS EN 10025 having minimum yield strength of (Grade 65) 450N/Sq.mm and silicon content less than 0.06 %.</li> <li>6. For the environmental protection of the mast, the entire fabricated mast shall be <b>hot dip galvanized</b> internally and externally having a uniform average coating of 85 microns for plates more than 6 mm and 70 microns for plates 6 mm and less thickness. The Zinc shall have minimum 99.995% purity confirming to IS 209.</li> <li>7. The length of any individual segment shall be such that it can be easily transported and erected. All similar parts shall be made strictly inter-changeable. Mast segments, as far as possible, shall be fabricated in single piece. In case of restriction due to the size of hot dip galvanizing bath, pole segments having outer diameter more than 1mtr may be fabricated in two halves and seamlessly welded after galvanizing. After seamless welding of both halves, surface of the welded portion shall be cleansed and prepared. Two welded portions shall be galvanized by suitably dipping in hot zinc bath or by metallizing using molten zinc technique. For metallizing, the process as per ANSI/AWS WCZ/D19.0-72 or other National/International standard/Guidelines shall be followed. The thickness of zinc coating by metallizing shall not be less than the minimum specified for hot dip galvanizing.</li> <li>8. The masts sections shall be joined at site by slip-stress-fit method and minimum overlap distance shall be 1.5 times the diameter at penetration.</li> <li>9. The design life of the mast shall be more than 25 years. The force co-efficient taken for design of polygonal structure is to be established from the wind tunnel test data.</li> <li>10. All welding shall be undertaken and performed as per WPS/PQR in strict accordance with BS 5135.or AWS D1.1.</li> <li>11. The head frame cross arm brackets shall be of suitable steel construction.</li> <li>12. The high mast shaft is to be manufactured from ISO certified factory taking care of all aspects of design, quality, environment and safety.</li> </ol>

		<p><b>13.</b> All MS parts including hardware shall be hot dip galvanized as per BSEN-ISO1461 or equivalent.</p> <p><b>14.</b> For base plate and foundation bolt as per IS IS 2062: 2011, Gr E350 A , hot dip galvanized as per IS 4759: 1996/ IS 2629: 1985,</p> <p><b>15.</b> Necessary arrangement should be provided for double drum Winch motor System &amp; wire rope for raising and lowering of manrider .</p> <p><b>16.</b> Installation of Control circuit junction box &amp; supply, laying and termination of all Copper power cable (not below than 4 sq mm with earth wire) of from feeder pillar to illuninaries and junction box, installation of lightening arrester,etc.</p> <p><b>17.</b> All connections should be done with IP65 protected connectors.The stadium high mast will be equipped at the top of the shaft with a fixed platform. Including base plate and foundation bolt and all acessories as per specification and site requirement</p> <p><b><u>Platform and Head frame of the Mast.</u></b></p> <p><b>1.</b> Stadium mast shall have a fixed head frame at the top of the mast. The head frame shall be with a 15-degree tilt for aiming the luminaries to the proper points. The tilt also helps the maintenance man, while working on the top.</p> <p><b>2.</b> The head frame shall have a shaft section like other mast sections in the middle and cross arms to mount required number of luminaries. Suitable provision shall be provided in the cross arms for fixing of luminaries and support the cables. Suitable opening on each side of the shaft and window in back side is to be provided to take and facilitate passing the cables to the luminaries through cross arms.</p> <p><b>3.</b> An inspection opening shall be provided on the head frame shaft. Support shall be welded on the head frame shaft to suspend the luminaire cables from the top. Cables are to be bunched and supported with stainless steel suspension ropes of suitable length. No other equipment shall be mounted in the path of the cables inside the mast as it will affect the safety of electrical cables for the luminaries.</p> <p><b>4.</b> Lightning finial shall be provided on the mast top of the shaft. Provision to be made on the top cross arm to mount the aviation obstruction light accessible from the ladder.</p> <p><b>5.</b> A suitable platform shall be provided on top of the mast. The platform shall be such that the maintenance man can safely stand on the platform and work. The platform shall have protective railing on three sides for safety purposes. There shall be ladders from the platform to the top of the head frame for access to the luminaries mounted on the cross arms. Safety rope is to be provided to hook the <b>PPE</b> (Full body harness).</p> <p><b>6.</b> The platform shall have suitable docking facility for the man rider unit to enable the maintenance man to enter the platform from the man rider unit.</p> <p><b>7.</b> The connection between the head frame and mast top shaft is by a flanged joint and bolted together. No slip joints in this position shall be used.</p> <p><b>8.</b> Access to the floodlights on the head frame shall be by a minimum number of four vertical ladders of the full head frame height.</p>
<b><u>2</u></b>	<b>Manrider</b>	<p><b>1.</b> Access to the mast head frame flat form shall be by a detachable</p>

		<p>and mobile man-rider unit with a <b>minimum safe load carrying capacity of 400 Kg</b>. The unit shall be of galvanized steel construction with twin cage arrangement along with spring loaded wheels encasing the mast shaft for proper balancing and to avoid swaying of cage while climbing. Suitably rated motor and double drum winch shall be installed in the base of mast. The hoisting arrangement shall comprise of AISI 316 grade stainless steel wire ropes of 8 mm diameter and cast aluminum pulley with gunmetal bush bearing. The unit will have a climb rate not in excess of 9 meters per minute and shall contain required safety features. Man rider will incorporate secondary fall arrester system for protection against failure of the main rope.</p> <ol style="list-style-type: none"> <li>2. Man-rider should be detachable type with wheels for moving from one location to other and common for all the masts of the stadium.</li> <li>3. A portable control box fabricated out of 14swg CRCA sheet housing and finished with powder coating of shade 631 as per IS:5 comprising 32A TPN MCB incomer, contactors suitable for the rating of motor for raising and lowering operation of the man rider. Push button to raise and lower the man rider is to be provided with 5 m cable to operate from a distance. There shall be 32 Amp TPN plug wired to the control box to take power to control box. A Three pin socket is to be provided on control box to hook the motor plug.</li> </ol>
<b><u>3</u></b>	<b>3 mtr post top light pole with 45 watt post top LED</b>	<p>3 Mtr long Steel poles made out of GI pipe section with dia cast iron/Alluminium pedestal. The poles have diameter 60mm at the top and 114mm at the bottom. Pole is pure polyester based powder coated with high corrosion resistance and chemical chromatised protection, with multiple coats of weather resistant Polyurethane paint in various colors. The service window at the lower of the pole contains connector, cutouts, DP MCB. Including 4 Nos Foundation bolt Temp plate, with 45 W Post top LED designed light with IP66 protection should be fixed at top of the pole.</p>
<b><u>4</u></b>	<b>High mast feeder pillar</b>	<p>Feeder Pillar complete with all accessories having Protection IP65. MCB 63A TPN — 1No,16A DP — 18 Nos,10A DP — 1 No,63A AC Contactor, 240V AC power tool control with 2 no 9A contactors and raise lower push button, Incoming 35 sq. mm and out going 16 &amp; 4.0 sq. mm terminals. Panel should be manufactured form CPRI Approved panel maker. Feeder pillar shall be as per CPWD specifications &amp; IS/IEC 60439 with MCB/MCCB as required.</p>
<b><u>5</u></b>	<b>1000 watt Non integral type Sprots LED flood Light</b>	<ol style="list-style-type: none"> <li>1. The high-power LED Floodlight should be having non integral type High efficient Driver and having Elegantly designed, highly efficient advanced optic lens with high precision light output and Die cast (PDC) Aluminium powder coated housing and Heat resistant toughened glass,Fins are provided on housing for better heat dissipation. This luminaire is recommended for illuminating Area lighting, Facade lighting monument lighting, security lighting. Modular lens plate with toughened glass should be provided to ensure better uniformity of lighting distribution. Designed heat sink for efficient thermal management along with provision of safety chain. The luminaire should having protection of IP66 and IK07 and non integral type High efficient Driver considering ease of maintenance. Same housing should be compatible with different beam angle.</li> <li>2. The high-power LED Floodlight luminaire shall have CRI 80 and</li> </ol>

		<p>CCT &gt; 5700 K (tolerance on CCT: +/- as per ANSI C78:377A).</p> <ol style="list-style-type: none"> <li>The system Efficacy shall be typical 140 Lumen/Watt.</li> <li>Beam angle should be as per design.</li> <li>All Lens should be screw fitted on the housing to ensure the proper mechanical alignment to increase the rigidity of fixing of lens. As a result, which will unify entire photometry distribution.</li> <li>The floodlight and external driver (should be potted for better reliability) shall comply to Class-I electrical insulation class. Inbuilt driver surge protection of minimum 6KV must for all floodlights. Driver is having voltage ripple &lt; 1% (peak to average) and output current ripple &lt; 5% (peak to average).</li> <li>Driver is having over heating protection circuit (thermal fold back &gt; 75 Deg Celsius) which ensure the safety of luminaire and surrounding.</li> <li>The driver unit should be suitable for 230V/50 Hz (mains supply voltage fluctuations +/- 10%). The power factor shall be &gt; 0.95 at full power.</li> <li>Total harmonic distortion should be &lt; 10% for driver.</li> <li>The driver should be EMI/EMC compliance.</li> <li>The driver shall have Over Temperature, Under Voltage/Short Circuit, Over Voltage/Open Circuit and Output failure protections, with an Efficiency of &gt; 90%. Driver can withstand high voltage upto 440V for &gt; 24 Hrs.</li> <li>Ease of maintenance and installation along with good manufacturing practice should be taken care in the luminaire.</li> <li>The LED floodlight luminaire life class/lumen maintenance shall be minimum L70B50:50,000 Hrs tested at 35 Deg Celsius</li> <li>The LED floodlight luminaire must have a design lifetime of 90,000 Hrs at operation temperature range at 40 Deg Celsius (ambient temperature).</li> <li>The luminaire shall be suitable for Stadium application, mounting on head frame of High mast with the help of sturdy mounting bracket, it shall have provisions to temporarily affix a precision aiming device for proper rotation and tilt aiming according to approved lighting plan.</li> <li>The average lumen maintenance summary needs to be submitted at the different case temperature (soldering point) at Ts : 55, 85 and 105 Deg Celsius.</li> <li>All plastic parts, cable used etc. shall be UV protected.</li> <li>Input cable of luminaire should be rubber as per IS 10322 (part 5/section 5).</li> </ol>
<b>6</b>	<b>Outdoor panel</b>	<p>Outdoor Type Double Door, IP-65 with Canopy High Mast Panel :-  Incomer:- 250A 4 Pole TM Release with MCCB, Spreader, with all</p>

		necessary protection, RYB & ON-OFF- Trip Indication Lamps, Multifunction meter, CT, Aluminium Bus Bar-50mm X5mm. Outgoing:- 1. 150A 4 Pole 36kA MCCB-1 Nos. 2. 40A 4 Pole MCCB 36kA - 8 Nos with Spreader with all necessary protection & Indication lamps. Panel shall be made out of 1.6/2mm CRCA Sheet with Powder Coating, Canopy & IP-65 Panel. etc as required. Panel should be manufactured form CPRI Approved panel maker. LT panels shall be as per CPWD specifications & IS/IEC 60439 with MCB/MCCB as required.
<u>7</u>	<b>Outdoor Feeder Pilar</b>	Outdoor Type Double Door, IP-65 with Canopy Street Light Panel Incomer :- 40A 4 Pole TM Release MCCB, Spreader, Extended ROM, Timer Circuit With Street Light Provision, Indication Lamp, Multifunction meter, CT . Outgoing :- 25A 4 Pole 10kA MCB- 1 Nos, Street Light Feeder & DP MCB 10A-9 Nos. Panel shall be made out of 1.6/2mm CRCA Sheet with Powder Coating, Canopy & IP-65 Panel. etc as required. Panel should be manufactured form CPRI Approved panel maker. LT panels shall be as per CPWD specifications & IS/IEC 60439 with MCB/MCCB as required.
<u>8</u>	<b>Cables</b>	XLPE armoured aluminium cable between outdoor feeder pillar to termination box of pole/ Pole to pole etc. and Substation to Outdoor panel/feeder pilar. The power cabling should be sized to ensure that the distribution losses do not exceed 3% of total power usage.
<u>9</u>	<b>Outdoor LED Power Connections</b>	.All connections should be done with IP65 protected connectors. The fittings and connection should be ss per CPWD General Specification for Electrical Works Part I (External) _ 2023 and relevant BIS, amended upto date.
<u>10</u>	<b>Wires &amp; Cables</b>	FRLS PVC insulated Copper conductor cables will be used for points, circuit & submain wiring. Power & light point wiring shall be with copper conductor of size as per CPWD specifications & relevant BIS standards
<u>11</u>	<b>MCB DBs &amp; LT Panels</b>	Meter Boards & Main Distribution Boards as per CPWD specification / requirement; Size of distribution board shall be as per number of light / power circuits. All distribution boards shall be MS powder coated MCB based, Single phase/ 3 phase and suitable incomer as per individual DB requirement, double door type and MCCB/MCB of suitable rating.

List of Preferred Makes		
Sl. No.	Description of Item	Makes
1.	Highmast Pole with all accessories (25 mtr)	Bajaj/Wipro/Utkarsh/ Crompton/ Valmount
2.	Manrider	Bajaj/Wipro/Utkarsh/ Crompton/ Valmount
3.	3 mtr post top light pole	Bajaj/Wipro/Utkarsh/ Crompton/ Valmount
4.	1000 watt Sprots LED flood Lights/ 45 watt Outdoor LED post top designed Light	Philips/Bajaj/Wipro/Havells/ Crompton
5.	Wires & Cables	Polycab /Finolex/ Havells/RRKable
6.	DB, & MCBs	Legrand/L&T/ Schinder
7.	MCCBs	L&T/ Legrand/Schinder
8.	Panels/Feeder Pilars	L&T/ Legrand/Schinder
9.	Gland, Lugs	COMET/COSMOS/Approved make
10.	Earthing plate and Cu. strip	ISI Approved make
11.	IP 65 Connectors	ISI Approved make
12.	DWC pipe and RCC pipe	Approved make
13.	Steel reinforcement for R.C.C. work	Tata/Jindal
14.	M25 grade ready mixed or site batched design mix cement concrete for reinforced cement concrete work	Ultratech/ACC/AMBUJA/Dalmia

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

**SIGNATURE OF THE CONTRACTOR**

## **Annexure I**

### **TECHNICAL SPECIFICATION SHEET TO BE SUBMITTED BY THE VENDOR WITH THE TECHNICAL BID**

#### **DOCUMENTS**

SL NO.	DESCRIPTION for SPORTS LIGHTING SYSTEM	1000 Watt	Remarks
1.0	Technical requirements of LED light fittings of LED Flood Light :	Integral Type	
2.0	LED efficacy shall be greater than 140 Lumen/watt and can be accepted if the LED's LM 80 / IS: 16105 test reports support the same. Report has to be submitted with the Technical Bid.	140 Lumens/Watt or above @ 700mA drive current.	
3.0	LED used should be of SMD type only.	SMD type	
4.0	LM-80/ IS: 16105 Test Reports of specific LED at the soldering point temperature of 85°C for the driving current at which the LEDs shall be driven, shall be obtained during procurement. Report has to be submitted with the technical Bid .		
5.0	Reported life Span of LEDs used in the Luminaries shall be greater than of mentioned Hours at the soldering point temperature of 85°C & 105 °C and at the luminaries driving current. Report has to submit with the technical Bid .	90,000 Hrs.	
6.0	The LEDs shall comply to Photo biological Safety norms as per IEC 62471 / EN 62471/ IS: 16108. Report has to be submitted with the technical Bid .		
7.0	Beam angle:	As per Lux Level	
8.0	Color temperature of the proposed white color LED shall be 5700K (i.e. 5665K±355K, as per ANSI standard C78.377A), Color point should fall within the 7 Step McAdam as per ANSI standard C78.377A.. Report has to be submitted with the technical Bid .		
9.0	Color Rendering Index (CRI) with cool white light output. Report has to be submitted with the technical Bid .	80	
10.0	Technical requirements for LED driver. Report has to be submitted with the technical Bid.		
11.0	The driver shall be of constant voltage and constant current type with internal surge protection device as per IEC 61643. TDS / Report has to submit with the technical Bid.		
12.0	Min. efficiency of driver: 90%.		
13.0	Power factor of complete fitting: Greater than 0.95. Report has to submit with the		



	technical Bid.		
14.0	The luminaries should be operable with auto adjustable 140-270V input supply voltage using the same driver.		
15.0	In - built high and low voltage cut - offs : 140V (Low) and 270V (High)		
16.0	Short circuit protection /Over load protection. Report has to be submitted along with the technical Bid.		
17.0	Driver Surge Protection standard: Min 4kV. If a site/ location is prone to lightning and surges, 10 kV surge protection (external to the driver circuit) to be provided with the luminaire. The Surge Protection Device (SPD) should fail safe (i.e. without leading to fire hazard) and its failed status should be clearly visible through a flag/ indication.	20 Kv External	
18.0	Total Harmonic Distortion (THD): Less than 15 % at full load. Report has to be submitted with the technical Bid .		
19.0	Tc (Maximum Driver case temperature) must be declared for the luminaire.		
20.0	Isolated driver should be used.		
21.0	Potting of LED Driver: For driver power output rating < 50W, potted driver shall be preferable (but not mandatory). But for driver power output rating > 50W, potted driver shall be a mandatory requirement.	potted	
22.0	EMI/ EMC compliance: Compliance to the following EMI/ EMC standards: Report has to be submitted along with the technical Bid .		
	i. CISPR15/IS:6573		
	ii. IEC: 61547 (reference standards are listed as follows) - IEC 61000 – 4 - 2/ IS:14700 P art 3: Sec 2 - IEC 61000 – 4 - 3 - IEC 61000 - 4 - 4/ IS: 14700 Part 3: Sec 4 - IEC 61000 - 4 – 5 3 kV (or 4 kV if so offered by the contractor) - IEC 61000 – 4 - 6 - IEC 61000 – 4 -11/ IS: 14700 Part 3: Sec 11		
	iii. IEC: 61000 - 3 - 2 (Class C)/ IS: 1534 Part 1 (d) IEC: 61 000 - 3 - 3 / IS 14700: Part 3: Sec 2		
23	Driver shall comply with the safely requirements laid down in IEC: 61347 - 2 - 13/ EN: 61347-2-13/IS: 15885-2-13. Report has to submit with the technical Bid / Approval.		
24	Driver shall also comply with the performance requirements as per IEC: 62384/ IS: 16104. Report has to submit with the technical Bid / Approval.		
25	The circuit boards and electronic components to be used in the luminaries should be of suitable rating/ type so as to provide reliable functioning. Following document needs to be furnished:		

	<p>a. Junction temperature rating of I. C. shall be obtained for the luminaire.</p> <p>b. Capacitor type and temperature rating shall be obtained for the luminaire.</p> <p>c. Material of resister shall be furnished</p> <p>d. Junction / channel temperature rating of switching device s like MOSFET and transistor shall be obtained.</p> <p>e. MCPCB is to be used for mounting of LBDs.</p> <p>f. FR4 grade PCBs of min. thickness of 1.6 mm shall be used in driver circuits.</p>		
26	Technical requirements of Luminaries:		
27	The luminaire should throw the perfect amount of uniform light with exactly the desired intensity at a given spacing as mentioned in the tender document along with better light control. The bidder should submit the certified photometric report as per IESNA LM-79/ IS: 16106, from a NABL accredited laboratory to validate the photometric claims.		
28	The min. system lumen efficacy of the Luminaire shall be 110- lumens/Watt . The product should be different compartment for LED & Driver separatly.	140 Lm/W	
29	The Luminaire must have secondary lens/ optics. Though the secondary lens/ optics do result in minor loss of lumens, it is never the less a must to distribute the light output of the LEDs so as to achieve the desired polar curve characteristics for the Luminaire — no exemption shall be permitted on this account. The material of lens should preferably be PMMA.		
30	Housing of luminaire: Pressure die - cast LM6/ADC12/LM24 housing		
31	Cover type: Heat Resistant Toughened glass of minimum 4 mm thick or UV stabilized polycarbonate cover.		
32	Adequate heat sink with proper thermal management shall be provided.		
33	The fixture should be able to work properly with humidity range of 10%-95% RH.		
34	The fixture should have corrosion resistance polyester powder coating.		
35	Housing protection: Minimum IP - 66. If the LEDs and LED Driver are in different compartments, then the two compartments must be individually IP – 66. Report has to submit with the technical Bid / Approval.		
36	Impact Resistance. Report has to be submitted with the technical Bid .	IK 07	
37	Temperature rise test: When the luminaire has stabilized thermally, soldering point temperature of the LEDs must be equal to or less than 85°C. Temperature rise (above ambient) of heat sink should generally remain within 20°C -relaxation on this account can be granted as long as the soldering point temperature limit of 85°C is not violated and there is no unacceptable outcome. Report has to submit with the technical Bid.		
38	3G Acceleration rating test report needs to be submitted for approval asper ANSI C 136.31		

N.B. Bidder need to submit the supporting documents for evaluation . Without proper supporting documents bid is liable to be rejected.

Inspection by client may be required and client representative before dispatch for both Light and poles. Successful tenderer shall make the Expenditure towards travel, boarding and lodging of client and client representative. Accordingly, the dispatch clearance will be issued to successful bidder for supply of the materials.

**CPWD Form-7**

**All India Institute of Medical Sciences**  
**Engineering Branch, Bhubaneswar (Odisha)-751019**

[www.aiimsbhubaneswar.nic.in](http://www.aiimsbhubaneswar.nic.in)

**Percentage Rate Tender / ~~Item Rate Tender~~ Contract for Works**  
**(To be Submitted on Non-Judicial Stamp Paper of Rs 10/- or above)**

E-Tender for the work of: **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**

To be submitted online by:

- (a) Time and date of online Opening of Technical Bids. : **On 23/08/2025 at 13:00 Hours.**
- (b) Time and date of opening of Online Financial Bids. : **To be intimated latter**

**TENDER**

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

I/We hereby tender for the execution of the work specified for AIIMS, Bhubaneswar within the time specified in the schedule ‘F’ viz., schedule of quantities and in accordance in all respect with the specifications, Designs, Drawings and instructions in writing referred to in Rule-1 of General Rule and Directions and Clause 11 of the Conditions of Contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for ~~90 days from the due date of its opening in case of single bid system/~~ **180** from the date of opening of technical bid in case tender are invited on 2/3 bid/system for specialised work and not to make any modification in its terms and conditions.

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

A copy of earnest money deposit receipt of prescribed amount deposited in the form of account Payee Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or Bank Guarantee (as prescribed) issued by a Scheduled Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successor, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence the work as specified, I/We agree that President of India or the successor 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 Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I/we shall be debarred for participation in the tenders of AIIMS, Bhubaneswar for 1 (one) year.

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 Department, then I/we shall be debarred for tendering in AIIMS, Bhubaneswar in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the engineer-In-Charge shall be free to forfeit the entire amount of Earnest money Deposit/Performance Guarantee.

I/we hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived 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 & integrity of the Sate.

Dated: \*

Signature of Contractor

Witness: \*

Address: \*

(\* To be filled in by the Contractor.)

#### ACCEPTANCE

The above tender is accepted by me for and on behalf of the Executive Director, AIIMS, Bhubaneswar for a sum of Rs.----- (Rupees -----).

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

(a)

(b)

(c)

For & on behalf of the Executive Director,

AIIMS, Bhubaneswar

Dated:

Signature:-----

Designation: -----

**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 FOR FINANCIAL INFORMATION**

(Financial Analysis)

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

Ser. No.	Description	2021-22	2022-23	2023-24

**Note:** Gross Annual Turn Over only.

**Annexure – IV****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 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)	(i)	(j)
1.									
2.									
3.									
4.									
5.									
6.									
7.									

- The bidder must fill the form (attach Separate sheet if required)

(Authorized Signature of the Bidder with Seal)



**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/ MSME registered.	:
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)

**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 undertakes 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)

**Form for OEM Authorization**

dated\_\_\_\_\_

To,  
The Executive Engineer (Electrical)  
All India Institute of Medical Sciences,  
AIIMS Bhubaneswar

Tender No. \_\_\_\_\_

Dated. \_\_\_\_\_

Name of the work of: **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”**

Equipment Name:

Dear Sir/Madam:

1. We ..... (Name of the OEM) are the original manufacture of the above equipment having registered office at ..... (Full address with telephone numbers/fax participating in this tender no ..... do hereby authorize M/S\_\_\_\_\_ (Name and address of bidder) who is our .....to submit the tenders, and subsequently negotiate and sing the contract with you against the above tender no .....
2. M/s \_\_\_\_\_authorized to bid, and conclude the contract for the above goods manufactured by us, against this specific tender no.
3. We also hereby undertake to provide full guarantee/warrantee to provide design, drawing, approvals, necessary support for veeting as per conditions of this contract and uninterputed supply of materials and give necessary period of guarantee/warrantee on the material as agreed by the bidder in the event the bidder is changed or the bidder fails to provide satisfactory after sales and service during such period of Comprehensive Warranty/ period of Contract and to supply all the spares/ accessories / consumables / material / software upgrades/ labour etc. during the said period.
4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the quantity of the equipment tendered within the stipulated time, and also provide service to it.

Name

For and on behalf of M/S .....

Yours faithfully,

(Name)

(Name of manufacturers)

Date: -

Place: -

**Note:** This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

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

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

**BETWEEN**

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

**AND**

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

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

**Preamble**

WHEREAS, the Principal/Owner has floated the Tender (NIT No. **AIIMS/BBSR/ENGG. /ELECT. /65/2025**) (here in after refer red to as **“Tender/Bid”**) and intends to award, under laid down organizational procedure, contract for: **“SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar.”** herein after referred to as the **“Contract”**.

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

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

The Tender value which has been accepted by CA for the work/contract is Rs \_\_\_\_\_/ - ( Rupees \_\_\_\_\_ only)

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

**Article - 1: Commitment of the Principal/Owner.**

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

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

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

processor the Contract execution.

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

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

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

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

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

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

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

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

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

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

3. The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged**

**documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

5. The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/her reputation or property to influence their participation in the tendering process).

#### **Article - 3: Consequences of Breach.**

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

1. If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article-2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may before vigor for a limited period as decided by the Principal/Owner.**

2. **Forfeiture of Performance Guarantee/Security Deposit :** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contractor has accrued the right to terminate/determine the Contract according to Article-3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Performance Guarantee and Security Deposit of the Bidder/Contractor.

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

#### **Article - 4: Previous Transgression.**

1. The Bidder declares that no previous transgressions occurred in the last 05 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender processor action can be taken for banning of business dealings/holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

3. If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/ Owner may, at its own discretion, revoke the exclusion prematurely.

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

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.

2. The Principal/Owner will enter in to Pacts on identical terms as this one with all Bidders and Contractors.

3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article - 6: Duration of the Pact.**

1. This Pact begins when both the parties have legally sign edit. It expires for the Contractor/Vendor 12 months after the completion of work under the contractor till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

2. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, AIIMS, Bhubaneswar.

#### **Article - 7: Other Provisions.**

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the **Bhubaneswar** of the Principal/Owner, who has floated the Tender.

2. Changes and supplements need to be made in writing. Side agreements have not been unmade.

3. If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4. should one or several provisions of this Pact turnout to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Agreement/Pact, any action taken by the Owner/Principal in accordance with this **Agreement/Pact or interpretation thereof shall not be subject to arbitration.**

**Article - 8: Warrantee/Guarantee: onsite warrantee/Guarantee certificate shall be provided for Five years on LED sports lights, High mast and it's accessories, Man rider and One year warrantee/Guarantee for all other items of the BOQ.** Security Deposit equal to 2.5% of the Contract Value will be deducted from the Bills of the Contractor and which will be released to Contractor after successful completion of DLP Period which is 5 years form the completion of the work.

#### **Article - 9: Terms and Conditions of Payment.**

##### **Terms of Payment: -**

- (i) **70 % payment will be released after receiving of Highmast material and LED lights and after acceptance of the same by the Engineer -In-Charge or his representative.**
- (ii) **The remaining 30% payment will be released after the due verification of final bill by Engineering-in Charge or his representative after completion of work. The deduction of 2.5% towards security deposit and other deduction towards taxes as per Government of India/AIIMS rule will be made from the bill.**



- (iii) **It will be mandatory for the bidders to indicate their bank account number and other relevant e-payment details so that payment could be made through RTGS/ Other mechanism.**
- (iv) The Following documents as applicable shall be produced in physical and self-attested soft copy in pdf format shall be submitted through the e-mail to Engineer-in-Charge by the Agency with the invoice and bill:
  1. Copy of invoice.
  2. Work Completion Certificate
  3. Testing & Commissioning Certificate
  4. Material Test Certificate
  6. Warranty/Guarantee Certificate
  7. Colour Photos of Executed work at different stages on glossary paper
  8. No-Claim Certificate (NCC) regarding work
  9. GST return up to date Voucher.
  10. Bank Account Details
  11. Clause-32 certificate for engagement of technical staff.

**Article - 10: Penalty:**

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

**1. All the work shall be completed within 90 days from the date of issue of work Order by the Institute. All the aspects of safe installation shall be the exclusive responsibility of the Contractor. If the contractor fails to complete the work on or before the stipulated date, then a penalty at the Rate of 1% per month of delay to be computed on per day basis shall be levied subject to maximum of 10% of the total tender value.**

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

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

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

WITNESSES:

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

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

Place :  
 Dated :

## PROFORMA OF SCHEDULES

### SCHEDULE 'A'

Schedule of quantities: - (ENCLOSED at Page 40)

### SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

<u>Ser. No.</u>	<u>Description of item</u>	<u>Quantity</u>	<u>Rates in figures &amp; words at which the material will be charged to the contractor</u>	<u>Place of issue</u>
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>
<u>NIL.</u>				

### SCHEDULE 'C'

Tools and plants to be hired to the contractor

<u>Ser. No.</u>	<u>Description</u>	<u>Hire charges per day</u>	<u>Place of Issue</u>
<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>
<u>NIL</u>			

### SCHEDULE 'D'

Additional Condition and specifications: Enclosed.

### SCHEDULE 'E'

***(Reference to General conditions of Contract.)***

Name of Work : "SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar."

Estimated Cost of Work **Rs. 1,33,70,594.00/-** (Rupees One crore thirty-three lakhs seventy thousand five hundred ninety-four only) including GST.

- |     |                       |   |                                      |
|-----|-----------------------|---|--------------------------------------|
| (a) | Earnest Money         | = | <b><u>02% of Estimated Cost.</u></b> |
| (b) | Performance Guarantee | = | <b><u>05% of Tendered Value</u></b>  |
| (c) | Security Deposit      | = | <b><u>2.5% of Tendered Value</u></b> |

### SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

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

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

**Definitions****See below**

2 (v)	Engineer-in-Charge	Executive engineer , Electrical AIIMS, Bhubaneswar
2(viii)	Accepting Authority	Executive Director AIIMS, Bhubaneswar
2(x)	Percentage on cost of materials and labor to cover all over heads and profit	15%
2(xi)	Standard Schedule of Rates	Central Public Works Department Delhi Schedule of Rates (E & M) - 2022 with up to date correction slips
9(ii)	Standard AIIMS Contract Form	<b>CPWD GCC Construction Works - 2023</b> as amended and up to and including correction slip

(i)	Time allowed for submission of Performance guarantee, Program: Chart (Time & Progress) and applicable Labor Licenses, Registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	07 Days
(ii)	Maximum allowable Extension with late fee @ 0.1% of: Performance guarantee amount beyond the period provided in (i) above.	01 to 15 days.

**Clause – 2.**

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

**Clause – 2A.**

Whether Clause 2A shall be applicable : No

**Clause – 5.**

Time allowed for execution of work	:	<b>90 days</b>
Time of start of work:		Within Seven days after issue of Award of work OrderDLP.

Sl no	Description of Milestone	Time Allowed in days	Amount to be withheld in case of non achievement of Milestone
1	Submission of structural drawing after vetting by Structural Engineer of any reputed Govt. Institute/Organisation	<b>15 days</b>	
2	Supply of all materials as per BOQ	<b>45 days</b>	
3			
Authority to decide fair & reasonable extension of time: for completion of work		<b>Superintending Engineer, AIIMS, Bhubaneswar</b>	
Rescheduling of Milestones		<b>Superintending Engineer, AIIMS, Bhubaneswar</b>	

**Clause – 6.**

Whether Clause 6 (Computerized MB) shall be applicable	Yes
--	-----

<b>Clause – 7A.</b>		
Whether clause 7A shall be applicable	:	YES.
<b>Clause – 10B.</b>		
Whether Clause 10B(i) shall be applicable	:	YES.
<b>Clause – 10C.</b>		
	:	Not applicable.
<b>Clause – 10CC</b>		
	:	Not applicable.
<b>Clause – 11.</b>		
	:	CPWD General Specification for Electrical Works Part-II External 2023
<b>Clause – 16.</b>		
Competent Authority for deciding reduced rates	:	Superintending Engineer AIIMS, Bhubaneswar
<b>Clause – 25.</b>		
(i) <u>Conciliator</u>	:	Dispute Redressal Committee (DRC) to be constituted by Executive Director, AIIMS, Bhubaneswar
(ii) <u>Arbitrator Appointing Authority</u>	:	Executive Director, AIIMS, Bhubaneswar
(iii) <u>Place of Arbitration</u>	:	Bhubaneswar
<b>Clause – 32.</b> Requirement of Technical Staff and rate of recovery in case of non-compliance shall be as per the following table :-		

Value of Work	Ser. No	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience in years	Number	Rate at which recovery shall be made from the Agency in the event of not fulfilling provision of clause 32	
							(Figures)	(Words)
For Agreement amount upto Rs150 Lakhs	(a)	Graduate Engineer OR Diploma Engineer	Elect.	Principal Technical representative	02 years for Graduate Engineer/ 05 years for Diploma Engineer	2	Rs 30000.00/-	Rs. Thirty Thousand only

### **Financial Bid (schedule of quantities)**

**NIT NO.: AIIMS/BBSR/ENGG. /ELECT. /65/2025**

**Name of the work :- "SITC of Highmast in the main play ground near type-2B of Housing Complex, AIIMS, Bhubaneswar."**

<b>Item No.</b>	<b>Description of Item</b>	<b>Unit</b>	<b>BOQ Qty</b>	<b>Rate per Unit</b>	<b>Amount</b>
1	Design, Supply , Erection, Testing & commissioning of 25 meter high mast upto the top used for stadium purpose ,regular polygon, construction of the mast as per BSEN 10025: 2019, Gr. S355JO/JR IS 2062: 2011, Gr.- E350 BR. For base plate and foundation bolt as per IS IS 2062: 2011, Gr E350 A , hot dip galvanized as per IS 4759: 1996/ IS 2629: 1985, suitable for accomodation of 16 Nos 1000 W LED metal body flood Light (Non-integrated type), the mast shall be designed for Basic wind speed 200 Km/Hr & gust speed is 220 KM/Hr, along with double drum Winch motor System & wire rope for raising and lowering of manrider ,fixing of Control circuit junction box & supply, laying and termination of all Copper power cables of from feeder pillar to junction box and lluninaries, installation of lightening arrester,etc.All connections should be done with IP65 protected connectors.The stadium high mast will be equipped at the top of the shaft with a fixed platform. Including base plate and foundation bolt and all acessories as per specification and site requirement (excluding construction of foundation). The technical details should be as per specifications of Tender document.	Each	4.00	11,02,415.00	44,09,660.00
2	Design, Manufacturing, Supply , Erection, Testing & commissioning of motorized man rider carriage lift for maintenance purposes for 25 & 16 Mtr Stadium HighMast.The man rider should be suitable for carrying load of minimum 400 kg or above. This Man Rider Carriage is having all suitable arrangement for detachable and reassemble for the required Mast .The technical details should be as per specifications of Tender document.	Each	1.00	1,31,098.00	1,31,098.00
3	Supply, fixing, Testing & commissioning of 1000 W stadium type LED Flood light (with non integral driver) having Elegantly designed, highly efficient advanced optic lens with high precision light output and Die cast (PDC) Aluminium powder coated housing. Heat resistant toughened glass,Fins are provided on housing for better heat dissipation. This luminaire is recommended for illuminating stadium lighting.Efficiency $\geq 140$ LPW, Beam angle as per design, CRI 80 and 5700K, Protection IP66, Cable Entry Through Cable Gland, Mounting System Cradle having holes provided for mounting. The technical details should be as per specifications of Tender document.	Each	56.00	76,275.00	42,71,400.00

4	Supply, Erection, Testing & commissioning of IP 65 LED Twin Aviation light Luminaire life Expectance : 50000 Hrs. The technical details should be as per specifications of Tender document.	Each	4.00	7,449.00	29,796.00
5	Supply, Erection, Testing & commissioning of Feeder Pillar complete with all accessories having MCB 63A TPN — 1No,16A DP — 18 Nos,10A DP — 1 No,63A AC Contactor, 240V AC power tool control with 2 no 9A contactors and raise lower push button, Incoming 35 sq. mm and out going 16 & 4.0 sq. mm terminals. The feeder Pilar should have provision of housing the non intigral type drivers of LED lights and having IP65 Protection.The technical details should be as per specifications of Tender document.	Each	4.00	61,974.00	2,47,896.00
6	Design, Supply , Erection,testing & commissioning of 3 Mtr long poles made out of GI pipe section with dia cast iron/Alluminium pedestal. The poles have diameter 60mm at the top and 114mm at the bottom. Pole is pure polyester based powder coated with high corrosion resistance and chemical chromatised protection, with multiple coats of weather resistant Polyurethane paint in various colors. The service window at the lower of the pole contains connector, cutouts, DP MCB. Including 4 Nos Foundation bolt Temp plate, with 45 W Post top LED designed light with IP66 protection, should be fixed at the top of the pole (excluding Civil foundation work).The technical details should be as per specifications of Tender document.	Each	35.00	26,816.00	9,38,560.00
7	SITC of Outdoor Type Double Door, IP-65 with Canopy High Mast Panel Having incomer 250A 4 Pole TM Release, MCCB, Spreader, Extended ROM, Bus bar(Al)-50X5, Indication Lamp, Multifunction meter, CT & Outgoing as 150A 4 Pole 36kA, MCCB-1 Nos, 40 A 4 Pole MCCB 36kA - 8 Nos with Spreader & ROM. Panel shall be made out of 1.6/2mm CRCA Sheet with Powder Coating, Canopy & IP-65 Panel. Panel should be manufactured form CPRI Approved panel maker. The technical details should be as per specifications of Tender document.	Each	1.00	3,51,581.00	3,51,581.00
8	SITC of Outdoor Type Double Door, IP-65 with Canopy Street Light Panel Having incomer 40A 4 Pole TM Releas, MCCB, Spreader, Extended ROM, with provision of Timer Circuit for Street Lights, Indication Lamp, Multifunction meter, CT & Outgoing as 25A 4 Pole 10kA MCB- 1 Nos, Street Light Feeder & DP MCB 10A-9 Nos. Panel shall be made out of 1.6/2mm CRCA Sheet with Powder Coating, Canopy & IP-65 Panel.Panel should be manufactured form CPRI Approved panel maker. The technical details should be	Each	1.00	1,48,975.00	1,48,975.00

	as per specifications of Tender document.				
9	Supply of 10 sq mm 4 C XLPE armoured aluminium cable	Metre	800.00	173.00	1,38,400.00
10	Supply of 35 sq mm 3.5 C XLPE armoured aluminium cable	Metre	450.00	280.00	1,26,000.00
11	Supply of 185 sq mm 3.5 C XLPE armoured aluminium cable	Metre	250.00	1,192.00	2,98,000.00
12	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
(i)	63 mm dia (OD-63 mm & ID-51 mm nominal)	Metre	750.00	258.10	1,93,575.00
13	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.				
(i)	150 mm dia	Metre	200.00	756.53	1,51,306.00
(ii)	300 mm dia	Metre	250.00	1,191.23	2,97,807.50
14	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HDPE/ METAL pipe as required.				
(i)	Upto 35 sq. mm	Metre	1250.00	38.66	48,325.00
(ii)	Above 95 sq. mm and upto 185 sq. mm	Metre	250.00	80.46	20,115.00
15	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
(i)	4 X 10 sq. mm (25mm)	Each	40.00	281.09	11,243.60
(ii)	3½ X 35 sq. mm (32mm)	Each	10.00	385.58	3,855.80

(iii)	3½ X 185 sq. mm (57mm)	Each	4.00	914.32	3,657.28
16	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	8.00	14,459.84	1,15,678.72
17	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	Meter	70.00	1,015.68	71,097.60
18	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	CUM	73.00	253.27	18,488.71
19	Extra for every additional lift of 1.5 m or part thereof in excavation /banking excavated or stacked materials. All kinds of soil	CUM	59.00	123.38	7,279.42
20	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	CUM	9.00	190.71	1,716.39
21	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	CUM	26.00	123.38	3,207.88
22	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	CUM	6.00	2,066.41	12,398.46
23	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	CUM	4.00	7,097.74	28,390.96
24	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portl and Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in				



	recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement or bear the cost of extra cement.				
(i)	All works upto plinth level (Concrete of M25 grade with minimum cement content of 330 kg /cum)	CUM	54.00	9,248.12	4,99,398.48
25	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	SQM	76.00	381.56	28,998.56
26	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more	KG	4320.00	104.94	4,53,340.80
27	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 15.2.1 Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	5.00	2,368.53	11,842.65
28	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5.00	8,115.65	40,578.25
29	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete				

	as per standard design :				
(i)	Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Each	10.00	25,692.55	2,56,925.50
	<b>Total Amount (including GST)</b>				<b>₹ 1,33,70,594.00</b>
	<b>Percentage above/ below the Total Amount (Including GST)</b>			<b><i>This is the sample donot quote the percentage here----%</i></b>	<b>Rs.</b> (To be filled in Financial Bid only)
	<b>Total Quoted Amount (Including GST)</b>			<b><i>This is the sample donot quote the price here</i></b>	<b>Rs.</b> (To be filled in Financial Bid only)

(Rupees \_\_\_\_ ***This is the sample donot quote the price here*** only)

**Note:-**

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

I, the contractor certify that I am filling this template after understanding all the items of Schedule of Quantity of e NIT.

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

Business Address : \_\_\_\_\_

Signature of the Bidder :-

Date : \_\_\_\_\_

Place : Bhubaneswar

Seal of the Bidder

Signature of Bidder with Stamp

## **INSTRUCTIONS TO BIDDERS FOR FILLING OF E-TENDER**

### **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