



**INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI
ENGINEERING UNIT**

E-mail: eutenders@iittp.ac.in

Phone: 0877-2503604

E -Procurement Notice.

Date:17.05.2022

Online **Percentage Rate** bids are hereby invited in **two cover system** from Indian Nationals for the **Work of Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt)**. Bidders can download complete set of bidding documents from e-procurement Platform <https://eprocure.gov.in/eprocure/app> from 17.05.2022 Onwards. Bidders need to submit the bids online by uploading all the required documents through <https://eprocure.gov.in/eprocure/app>.

Last Date/ Time for receipt of bids through e-procurement is: 31.05.2022 up to 15:00 Hrs

Late bids shall not be accepted.

For further details regarding Tender Notification & Specifications please visit website: <https://eprocure.gov.in/eprocure/app> and www.iittp.ac.in/tenders

CRITICAL DATE SHEET

Online Publication & Tender Document Download Date & Time	17/05/2022, 15:00 Hrs
Clarification Start Date & Time	17/05/2022, 15:00 Hrs
Clarification End Date & Time	27/05/2022, 17:00 Hrs
Bid Submission Start Date & Time	17/05/2022, 15:00 Hrs
Bid Submission End Date & Time	31/05/2022, 15:00 Hrs
Technical Bid Opening Date & Time	01/06/2022, 15:30 Hrs
Price Bid Opening Date & Time	Will be announced after technical evaluation to the successful bidders.

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NOTICE INVITING TENDER

Name of Work	Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt) - 517619
Name of the Department	IIT Tirupati
Date	17/05/2022
Tender Notification No	IITT/EU/E&M/Tender/2022-23/001
Tender Fee	Rs. 500/-
Estimated Cost	Rs. 18,42,183/-
Last Date & Time of submission of Tender	31/05/2022 up to 15:00 Hrs
Date & Time of opening of Technical bid	01/06/2022 @ 15:30 Hrs
Date & Time of opening of Price bid	After evaluation of technical bids, the date, time and place of opening of the Price bid will be intimated to technically qualified bidders.
Time Allowed to Complete the Work	One month from the date of the issue of the work commencement order.
Defect Liability Period	One year from the date of handing over
Address for submission of Tender	The Executive Engineer (C), Engineering Unit, IIT Tirupati, Merlapaka (V), Yerpedu (M), Tirupati (Dt)-517619. Andhra Pradesh.

Bidding Procedures

Section I: Instructions for Online Bid Submission

Instructions to the Bidders to submit the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>.

1. Possession of valid Digital Signature Certificate (DSC) and enrolment / registration of the contractors / bidders on the e-Procurement/e-tender portal are prerequisite for e-tendering.
2. Bidder should register for the enrolment in the e-Procurement site using the “Online Bidder Enrolment” option available on the home page. Portal enrolment is generally free of charge. During registration, the bidders should provide only valid and true information including valid E-mail id. All the correspondence shall be made directly with the contractors/bidders through E-mail id as registered.
3. Bidder need to login to the site through their user ID / password chosen during enrolment / registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY / TCS / nCode / eMudra or any other Certifying Authority recognized by Controller of Certifying Authorities (CCA) India on e-Token / Smartcard, should be registered.
5. The registered DSC only should be used by the bidder in the transactions and should ensure safety of the same.
6. Contractor / Bidder may go through the tenders published on the site and download the tender documents/schedules for the tenders.
7. After downloading / getting the tender document/schedules, the Bidder should go through them carefully and then submit the documents as required, otherwise bid will be rejected.
8. Any clarifications may be sought online through the tender site, through the contact details or during pre-bid meeting if any. Bidder should take into account the corrigendum if any published before submitting the bids online.
9. Bidder may log in to the site through the secured login by the user id / password chosen during enrolment / registration and then by submitting the password of the e-Token / Smartcard to access DSC.
10. Bidder may select the tender in which he / she is interested in by using the search option and then move it to the ‘my tenders’ folder.
11. From my tender folder, he / she may select the tender to view all the details uploaded there.
12. It shall be deemed that the bidder has read and understood all the terms and conditions before submitting the offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the incomplete bid shall stand rejected.

13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and ordinarily it shall be in PDF /xls / rar / jpg / dwf formats. If there is more than one document, all may be clubbed together and provided in the requested format. Bidders Bid documents may be scanned with 100 dpi with black and white option. It is advisable that each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip / rar and the same if permitted may be uploaded. The file size being less than 1 MB the transaction uploading time will be very fast.
14. The bidders can update well in advance, the documents such as certificates, annual report details etc., under “My Space option” and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
15. **TENDER FEE & EMD EXEMPTION:**
- (a) **Tender Fee of Rs. 500/- (Rupees five hundred only)** should be submitted ECS (Bank transfer / NEFT / RTGS) in favour of Indian Institute of Technology Tirupati.
- (b) **Bank A/c Details for crediting Tender Fee:**
Name: Indian institute of Technology Tirupati Main Account
Bank: State Bank of India
Account No: 35523338208
IFSC Code: SBIN0006677
- (c) Micro and Small Enterprises (MSEs) firms as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or the firms registered with the Central Purchase Organisation or the concerned Ministry or Department or Start-ups as recognized by Department of Industrial Policy & Promotion (DIPP) for **all these items only**, are exempted from Tender fee/EMD. However, they have to enclose valid self-attested registration certificate(s) along with the tender to this effect.
- (d) The bidders who seeks exemption from Tender fee/ EMD as per clause no. (c) above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.
- (e) **Bid Security Declaration in lieu of EMD:** All other bidders who may not come under clause no. (c) above, should submit the bid security declaration (as per the format attached in annexure – iv) in duly filled and signed condition. if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security

before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

- (f) No interest will be paid on the Performance Security deposited / remitted.
 - (g) The bidders will have to upload scanned copy of payment details towards Tender fee and the same will be accepted only on verification and confirmation by the Institute. Any delay in credit will not be entertained by the Institute.
16. The financial bid (price bid) i.e. bill of quantity (BOQ) of only technically qualified bidders will be opened online by a committee of members and the result will be displayed on the www.eprocure.gov.in which can be seen by all bidders who participated in the tender.
 17. **Time of completion: 1 (one) month** from the date of issue commencement order.
 18. **Contractors shall be deemed to have inspected and examined the site of work and its surroundings before submitting the tenders.**
 19. The contractor shall not sub-contract the work to sub-contractors or to any single sub-contractor.
 20. The successful contractor shall provide a performance security valid for 15 months for his proper performance of the contract within 7 (seven) days from the date of receipt of letter of award. The performance Security shall be in the form of FD/Call Deposit to be pledged in favour of the **Registrar, Indian Institute of Technology Tirupati**. In case the Performance Security is in the form of Bank Guarantee the same is to be sent to the **Registrar** in sealed envelope directly by the issuing Bank along with the forwarding letter indicating BG No. purposed of the BG, etc. The amount of the security shall be **3 % (three percent)** of the contract price. The performance security shall be valid until the contractor has executed and completed the works and remedied any defects therein in accordance with the contract. The Performance security shall be returned to the contractor within 14 days from the expiry of the defect liability period. If the contractor fails to perform the work as per terms and conditions of the contract, the performance security shall be forfeited.
 21. If during the execution of the work the contractor encounters physical obstructions or physical conditions other than climatic conditions on the site, which obstructions or conditions were in his reasonable opinion not foreseeable by the contractor, the contractor shall forth with give notice thereof to the Executive Engineer, Engineering Unit. On receipt of such notice, in his opinion feel that such obstructions/conditions could not have been reasonably foreseen by the contractor, after due consultation with the contractor determine any extension of time with no financial bearing to which the contractor is entitled.
 22. During the execution of the works, the contractor shall keep the site reasonably free from all unnecessary obstructions and shall store or dispose of any contractor's equipment and surplus materials and clear from the site any wreckage, rubbish or temporary works in consultation with the Sanitary department of the Institute.

23. Before issue of any completion certificate, the contractor shall clear away and remove from that part of the site to which the completion certificate relates all contractors' equipment, surplus material, rubbish and temporary works of every kind.
24. The contractor while employing labour should ensure that all the statutory labour laws and regulations are adhered to.

In the event of

- a. The amount or nature of extra or additional work
 - b. Exceptionally adverse climatic conditions
 - c. Other special circumstances which may occur other than through a default or breach of contract by the contractor or for which he is responsible.
25. Being such as fairly to entitle the contractor to extension of time for completion of the works or any section or part thereof, the Institute shall after due consultation with the contractor, determine the amount of such extension with no financial bearing and shall notify the contractor accordingly.
 26. If the contractor fails to complete the execution and completion of the works as specified in the work order, the contractor shall be bound to pay as liquidated damages a sum of 1 % (percent) per week of delay for such default subject to a maximum of 10 % of the contract price.
 27. When whole of the works has been substantially completed, the contractor shall give a notice to the Executive Engineer, accompanied by a written undertaking to finish with due expedition any outstanding work during the defect liability period. Such notice and undertaking shall be deemed to be a request by the contractor to the Executive Engineer, to issue a taking over certificate.
 28. Defect liability period shall be **12 (Twelve) months** calculated from the date of completion of the works certified by the Executive Engineer (C) in the completion certificate.
 29. If the contractor fails to fulfil any of the obligations under this contract, the Institute shall be at liberty to terminate the contract thereby avoiding the contract and will be at liberty to allot the whole work or balance works to any other party at the risk and cost of the first party.
 30. All works are to be carried out as per current specification prevailing in the BIS/CPWD and directed by the Institute.
 31. Rates once accepted will not be enhanced due to variation in the rate of materials, labour and government taxes.
 32. No tools and plants will be supplied by the Institute.
 33. No materials will be supplied by the Institute.
 34. Any dispute arising out of the contract shall be settled by the Dean, Planning & Infrastructure.
 35. The specifications and mode of measurement for all the works shall be in accordance with CPWD specifications unless otherwise specified.

36. In the event of responsive parties quoting same rates, the Institute reserves the right to allot the work to the bidder having higher credentials in terms of turnover, similar work experience, etc.
37. The Institute reserves the right to accept or reject any or all tenders without assigning any reason thereof.
38. All the above requirements are compulsory for fulfilment as part of the tenders failing which tenders will be rejected.
39. All documents, registrations should be valid as on the date of tender.
40. GST as applicable will be deducted from the bills of the contractor.
41. The Party shall be responsible for the safety of all its workmen/employees during the period of execution of the work. The party shall provide all safety materials, gadgets, equipment's etc., to all its workmen/employees to ensure their safety during execution of the work. The Institute shall not be held responsible in case of any accidents, mishaps etc. to the party and its employees.
42. Any delay in completion of the works beyond the stipulated date due to reasons attributable to the contractor may eventually lead to cancellation of letter of award for which the contractor is not entitled to any compensation. The cancellation of letter of award would lead to forfeiture of performance security.
43. If any statutory tax/deduction/recovery is notified by the State/Central Govt, the same shall be deducted from the bill of the contractors as applicable from its effective date of coming into force.
44. The party who is allotted with the work, will have to sign on the measurement book as a token of acceptance of the measurement.
45. The details of the DD / any other accepted instrument, physically delivered, should tally with the details available in the scanned copy and the data entered during bid submission time, otherwise submitted bid shall not be acceptable or liable for rejection.
46. While submitting the bids online, the bidder shall read the terms and conditions and may accept the same to proceed further to submit the bid packets.
47. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read, understood and agreed with all clauses of the bid document including General conditions of contract without any exception.
48. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid may be rejected.
49. **Price Bid**

If the price bid format is provided in a spread sheet file like BoQ_XXXXX.xls, the rates offered should be entered in the allotted space only and uploaded after filling the relevant columns. The Priced-bid / BOQ template shall not be modified / replaced by the bidder; else the bid submitted is liable to be rejected for the tender.

50. The bidders are advised to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission due date and time (as per Server System Clock). The TIA shall not be held responsible for any delay or the difficulties faced during the submission of bids online by the bidders.
51. The time settings fixed in the server side and displayed at the top of the tender site, shall remain valid for all actions of requesting, bid submission, bid opening etc., in the e-Tender system. The bidders should follow such time during bid submission.
52. After the bid submission (i.e. after Clicking “Freeze Bid Submission” in the portal), the acknowledgement number indicated by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and also be used as entry pass to participate in the bid opening.
53. All the data being entered by the bidders would be encrypted using Public Key Infrastructure (PKI) encryption techniques to ensure the secrecy of the data. The data entered is not retrievable by unauthorized persons during the bid submission and until the time of bid opening by any person.
54. 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.
55. The confidentiality of the bids is maintained with the use of Secured Socket Layer (SSL) 128-bit encryption technology. Data storage encryption of sensitive fields is done.
56. The bidder should logout of the tendering system using the normal logout option available at the top right hand corner and not by selecting the (X) exit option in the browser.
57. For any queries regarding e-Tendering process, the bidders may contact at address as provided in the tender document. Parallel for any further queries, the bidders are advised to contact over phone: **1-800-233-7315, 0120-4001005** or send an E-mail to cPPP-nic@nic.in

58. **Technical Eligibility Criteria**

Eligibility Criteria for Work Experience.

To become eligible for participating in the bid process the bidders shall satisfy the following Work Experience Criteria

The Bidders should have satisfactorily completed similar works during the last three years ending previous day of last date of submission of tenders as below. For this purpose, cost of work shall mean gross value the completed work including cost of material supplied by Government/Client but excluding those supplied free of cost. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent.

Three similar completed works each costing not less than Rs. 7.36 lakhs

OR

Two similar completed works each costing not less than Rs. 11.05 lakhs

OR

One similar completed works each costing not less than Rs. 14.73 lakhs

Similar works shall mean “Providing Road Lighting, Area Lighting, Playground Lighting”.

Note: For the purpose of similar works, works executed in India only shall be considered.

Along with the above work experience, the following documents shall be submitted

1. Copy of payment details towards Tender fee.
2. Bid Security Declaration form (Annexure – IV).
3. Copy of Registration Certificate.
4. Undertaking not to sub-let the work (Annexure – III).
5. Pan Card.
6. GST Registration certificate.
7. Documentary proof of work orders, completion certificates.
8. Annexure – I.
9. Annexure – II.

Details to be furnished by the Contractor.

S.No	Description / Requirement from the bidder	Bidders response should be clear, firm, complete & legible. If necessary, separate sheet shall be used.	Page No (must be filled)
1	Name & Complete address of the bidder with contact details:		
2 (a)	Details of Tender Fee Payment		
2 (b)	MSME/NSIC Registration No: Company Name & Address: Validity: Product for which registered:		
3	Details of Contract Registration with Govt. depts. Class and value (If available)		
4	Details of PAN		
5	GST Registration:		
6	Employees provident fund Registration:		
7	Employees State Insurance Registration:		
8	Work Experience certificate		

Note: Self-Attested copy of relevant certificates for items 2 (b) -8 are to be enclosed

I/We hereby certify that the information furnished above and the attached documents as proof of the information are true and correct to the best of our knowledge.

I/We also authorize the IIT Tirupati or his representative to approach the source of the certificate to verify our competence, if required, for processing the tender.



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INSTRUCTION TO THE BIDDERS

1. **The bidders are advised to visit the site and get themselves acquainted with the site conditions before submitting the offer.**
2. The estimate cost is based on CPWD DSR rates duly adjusted with latest cost index applicable for Tirupati in respect of DSR items. Non DSR items are based on prevailing market rates. This estimate, however, is given merely a rough guide.
3. Eligible bidders shall quote percentage rates. Contractor must ensure to quote percentage rate above/below on the total amount of the tender.
4. Quoted rate shall remain valid for a period of **30 days** from the date of tender opening for the release of work order and will be firm throughout the contract period of **30 days** or till completion of work, once awarded and no cost escalation is allowed on any account.
5. The percentage rate offered is for finished item of works and shall provide for the complete cost towards fuel, tools, tackles, plant & machinery, temporary works, labour, materials, levies, taxes, transport, lay-out, repairs, rectifications, maintenance till handing over, supervision, labour colonies, establishment, services, roads, revenue expenses, overheads, profits & all other incidentals etc., complete. Rate quoted shall inclusive of GST. The applicable GST can be reimbursed by IIT Tirupati along with the running / final bill on production of documentary evidence by the agency for having paid the GST to the authorities concerned. **The Bidder should be a GST Registered Contractor. If the proof of GST registration is not furnished in the bid, the bid will not be eligible for opening price bid and become disqualified.**
6. The work shall be carried out as per drawings released then and there, BIS/CPWD specifications, and standard code of practice and as per the instructions of Engineer-in-charge. The brief description of items of work is given in the bill of quantities.
7. For any item of work not covered in Bill of Quantities, the rate will be arrived at based on the procedure given in CPWD manual.
8. Since the responsibility for the quality, workmanship and accuracy of any work being carried out under this contract lies with the contractor, the contractor should ensure that no work is done without the presence of contractor's representative at the work spot, whose strength depends on the value of contract awarded. The contract should arrange for surveying construction site at his own cost.
9. The decision of Engineer-in-charge shall be final and binding on the contractor regarding clarification of items in this tender schedule.

10. The works contract to be entered into with the successful bidder will be governed by the CPWD Works Manual in force.
11. The contractor shall strictly adhere to various labour laws in force.
12. The contractor has to deploy adequate labour of required categories such as Electrician, Wireman, Helper, Mason, Welder, Fitter, Mistry etc. to execute the works simultaneously in all areas of work.
13. Experienced persons shall be engaged for Installation, Testing & Commissioning works etc.
14. The contractor shall follow norms of IIT Tirupati security system for movement of men & materials within the complex.
15. All the materials to be used in the work and the nature of work shall conform to the respective CPWD & BIS and National Building Organisation, Standard Specifications forming part of "DELHI STANDARD SCHEDULE OF RATES" specifications and shall be got approved by the Engineering-charge before actual incorporation in the work.
16. The contractor should extend full co-operation to the other contractors who may be doing other works in the same areas to enable them to execute their portions of work without any delay or difficulty.
17. Bidders are requested to furnish the duly filled in E format attached as separate sheet along with a cancelled Cheque leaf to accept Electronic fund transfer / R T G S transfer for any payment from IIT Tirupati.
18. No advance / mobilization advance will be given.
19. LD / Penalty clause is applicable as per CPWD Works Manual in force.
20. IIT Tirupati reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract awarded against a different Tender.
21. The contractor's responsibility under this contract shall commence from the date of receipt of the LOI by the successful bidder. The Contractor will have to plan his work accordingly to complete the work in the scheduled period.
22. Any deviation to this tender terms & condition and schedules of this tender will cause total rejection of the offer submitted.
23. Incomplete offers will become liable for rejection.
24. **Security Deposit**
 - a) The security deposit shall be collected by deductions from the running bills of the contractors at the rate of 5% of the gross amount of the bill shall be deducted from each running bill as well as final bill of the contractor.
 - b) The security deposit shall be refunded to the contractor after successful completion of defect liability period of twelve months. The refund of security deposit will not carry any interest.

25. Canvassing in any form in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection
26. This tender notice shall be deemed to form an integral part of the contract to be entered into for this work.
27. The bidders are advised to go through the condition stipulated in Tender document & code of conduct for Safety of Contract Labourer in details. Any violation thereof will invite punitive action being taken against them. While quoting the rate all the above factors are to be considered.
28. Agency registered with NSIC/MSME is exempted from payment of tender document cost & Earnest Money Deposit but required to attach the attested copy of registration indicating the company name, address, registration number, validity & product for which registered in the technical bid, any deviation in the certificate on product or validity or name of the company tendering, will attract rejection resulting non-opening of respective price bid.

29. Compensation for Delay:

If the contractor fails to maintain the required progress or to complete the work and clear the site on or before the contracted or extended period of completion, he shall, without prejudice to any other right or remedy of the IIT Tirupati on account of such breach, pay as agreed compensation an amount calculated as stipulated below or such smaller amount as may be fixed by the IIT Tirupati on the contract value of the work for every week that the progress remains below or that the work remains incomplete. This will also apply to items or group of items for which separate period of completion has been specified.

For this purpose, the term 'Contract Value' shall be the value at contract rates of the work as ordered and the compensation for delay is by way of recovery at one percent of contract value per week of delay provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the contract value or of the contract value of the item or group of items of work for which a separate period of completion is given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the IIT Tirupati.

30. Arbitration:

Except where otherwise provided for in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions hereinbefore mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the work or failure to execute the same whether arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the Dean Planning & Infrastructure of IIT Tirupati and if Dean P&I is unable or unwilling to act, to the sole arbitration of some other person appointed by the Dean P&I, willing

to act as such arbitrator. The cases referred to arbitration shall be other than those for which the decision of the Engineer-in-charge is expressed in the contract to be final and conclusive. There will be no objection if the arbitrator so appointed is an employee of IIT Tirupati and that he had to deal with the matters to which the contract relates and that in the course of his duties as such he had expressed views on all or any of the matters in dispute or difference.

The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, Dean P&I as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor. Subject as aforesaid the provision of the Arbitration & Reconciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause. It is a term of the contract that the party involving arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of each such dispute. The arbitrator(s) may from time to time with consent of the parties enlarge the time for making and publishing the award. The work under the Contract shall, if reasonably possible, continue, during the arbitration proceedings and no payment due or payable, to the Contractor shall be withheld on account of such proceeding.

The Arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the Parties fixing the date of first hearings. The arbitrator shall give a separate award in respect of each dispute or difference referred to him. The venue of arbitration shall be such place as may be fixed by the Arbitrator in his sole discretion. The award of the arbitrator shall be final, conclusive and binding on all parties to this contract.

In the event of disputes or differences arising between one public sector enterprise and a Govt. Department or between two public sector enterprises the above stipulations shall not apply or its amendments for arbitration shall be applicable.

31. Force Majeure clause:

If at any time during the continuance of this contract the performance in whole or in part by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) then provided notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non-performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by IIT Tirupati subject to prompt notification by the contractor to IIT Tirupati of the particulars of the events and

supply to the IIT Tirupati if required of any supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries.

The correspondence exchanged against the tender from both contractor and IIT Tirupati through email are considered as valid document legally though it is not signed. It is treated as valid confirmations made on behalf of the respective company and very much comes under the legal ambit of the business transaction and hence it is binding on both the parties to the business.

Any transaction pertaining to the tender from both the parties of business done round the clock irrespective of the office or business hours of the companies, are valid legally and binding on both the parties. This applies to the extent only in such cases where deadline time for transaction is not specifically declared by either or both the parties to the business.

In case Letter of Intent (LOI) is issued through email, the PC generated time and date of mail shall be construed as the official time and date of release of LOI. In as much as this date is within the last date of validity given by the contractor the LOI is said to have been issued within the validity period and shall be binding on both the parties to the business.

Bidders participating in the tender should declare in their technical bid that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be clearly furnished to IIT Tirupati. If no such details are mentioned in the offer, then it will be construed that the subject tenderer is not under any such hold. But at a later date if it comes to the notice of IIT Tirupati about any such hold under enforcement on the subject tenderer, IIT Tirupati will have every right to reject the offer of such vendors at any point of time and also under any stage of the finalisation of the subject tender irrespective of the status of the subject tenderer in that tender. Such tenderers will not be permitted to participate in the further tender proceedings and will be communicated suitably. They will not be also considered for any ongoing tenders even if participated till the hold is officially lifted and confirmed in writing.

GENERAL CONDITIONS OF CONTRACT

1. No night work will be permitted without the written permission of the Engineer – in – charge.
2. Permission for erection of temporary work sheds etc., at site will have to be obtained from IIT Tirupati in writing in advance.
3. The successful bidder / Contractor shall observe all safety regulations and take necessary safety precaution as called for and Safety Precautions enclosed herewith.
4. In all matters of dispute, the decision of the Dean P&I, Indian Institute of Technology Tirupati & Shall be final and binding on the contractor.
5. Engineer in charge or his duly authorized representative shall have all reasonable times access to Contractor's premises of work and shall have the power at all the

reasonable times to inspect and test any portion of the work or examine the materials and workmanship of the structures during their manufacture and test. The contractor shall give due notice in writing to the Inspecting Engineer of IIT Tirupati when the materials supplied to be incorporated in the work are ready for Inspection and test. No material shall be incorporated in the work until the inspecting Engineer certified in writing that such materials have been inspected and approved by him or else the rejected material should be removed from site immediately.

6. The Contractor shall closely scrutinize all the drawings issued in connection with the work by this organization and bring to the notice of the Engineer-in-charge if any discrepancies, omissions in the drawings before undertaking the actual work pertaining thereto.
7. All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with Factories Act, Indian Electricity Rules, B.I.S., Workmen's Compensation Act & statutory norms prescribed by local bodies like CEA, Fire Authorities etc.
8. The water and power required for erection will be at free of cost. However, the contractor should ensure safety precautions while handling electrical equipment. Power source will be shown near to the working place. Necessary cables etc. shall be in the scope of contractor.

SPECIAL CONDITIONS OF CONTRACT

1. The contractor who has been terminated during the last three years is not eligible to participate in the tender. If tenders are submitted from them, those documents will not be considered for evaluation.
2. Delay in execution of the work attributed by contractor beyond the stipulated time period, penalty will be levied at 1 % for a week and maximum period of 10 weeks (10 % of the value of work). If the delay is more than 10 weeks, the work will be terminated at risk and cost of the contractor and will be black listed. The contractor can't participate for any work for period stipulated by IIT Tirupati.
3. During execution of the work, if there is any delay, stoppage of work on any reason, the same shall be recorded by the contractor in the hindrance register, with the signatures of the concerned authorities.
4. The materials shall be procured only from the original equipment manufacturers/authorized dealers of OEM. The contractor shall submit all documentary details in fulfilment of this conditions regarding procurement of materials including relevant test certificates.
5. The cables and all other items shall be brought to site only after taking correct measurements as per actual requirement of work. Excess quantities shall not be accepted and paid. i.e., Quantity of item brought to site and used in work as per actual requirement shall only be measured and paid irrespective of quantities of BOQ / work schedule. **The item brought at site and paid, if not used in the project have to be taken back by the contractor and deductions in the payment shall be adjusted**

in subsequent bills. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

6. The work shall comprise of entire labour including supervision, all materials necessary to make a complete installation, tests and adjustments and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not been mentioned in details in the tender document in connection with this contract as this is a turnkey job.

GENERAL SAFETY PRECAUTIONS TO BE FOLLOWED AT WORK SITE DURING EXECUTION

The following safety measures should be strictly adhered to, during execution of works at sites.

1. Providing the working platform with toe board and handrail for continuous working at heights.
2. Providing safety belt and life line at all times for men working at heights.
3. Providing goggles and welding screens.
4. Providing rubber gloves for working on electrical works.
5. The speed restrictions within the Institute must be strictly adhered to.
6. The gas cylinders must be always handled on trolleys or kept tied down not in use. They should never be rolled as Roller for conveying. Cylinders should not be used without regulators.
7. All excavations must be barricaded and red lamps must be provided.
8. All electrical connections must be properly earthed.
9. Providing helmet, safety belt, etc., for high level work and sufficient number of Industrial Safety nets at appropriate level to safeguard the persons working at high level particularly in roofing etc.,
10. All personal protective equipment conforms with standard specification and Contractor including their sub-contractors, agents and labour engaged on the work are required to scrupulously adhere to the safety regulations, safety precautions and measurers. Any violation thereof will invite punitive action being taken against them. Also, contractors with frequent violations of safety regulations will not be entrusted with further work in this organization.
11. In the event of any injured/fatal accident for the work men during the course of contract period, the compensation and other medical expenses towards the incident is lies with the contractor. No way is IIT Tirupati responsible.

TERMS AND CONDITIONS REGARDING COMPLIANCE WITH VARIOUS LABOUR LAWS BY THE CONTRACTORS FOR IIT Tirupati

1. The Contractor shall in respect of labour employed by him, comply with or cause to be complied with the following statutory provisions and rules and in regard to all matters provided therein.
 - a) The Contract Labour (Regulation & Abolition) Act 1970
 - b) The Minimum Wages Act 1948 and related Central Rules.
 - c) The Payment of Wages Act 1936 and related Central Rules.
 - d) The Employee's Provident Fund & Miscellaneous Provisions Act 1952.
 - e) The Employees State Insurance Act 1948.
 - f) The Workmen Compensation Act 1923.
 - g) The Industrial Disputes Act 1947.
 - h) The payment of bonus act 1965

And any other law or modifications to the above or to the Rules made thereunder from time to time.

2. The Contractor employing 20 or more workmen is required to obtain license from the authorities (The Deputy Chief Inspector of Factories / Assistant Commissioner of Labour as the case may be). The license shall be amended and / or renewed wherever, there is an increase in the workmen employed by him or in the event of contract being extended or renewed. The Contractor shall inform the license number to the IIT Tirupati Management before taking up the work.
3. The Contractor (Licensed or unlicensed) shall promptly furnish every information and document required by IIT Tirupati authorities for the purpose of fulfilling their obligations as Principal Employer and shall render all necessary assistance for the same.

REGISTERS & RECORDS: -

The Contractor shall maintain all registers and records in the proper manner and as required by the regulations of the various authorities concerned and indemnify the IIT Tirupati from the consequences due to any inaccurate or faulty documentation on the part of the Contractor.

PAYMENT OF BILLS: -

All payments to be made to the Contractor, under this contract shall be by NEFT or RTGS within a reasonable time, after the certification of bills by the execution department.

RECOVERY FROM CONTRACTOR: -

Whenever under the contract, any sum of money, shall be recoverable from or payable by the Contractors, the same may be deducted from or any sum then due or which at any time thereafter may become due to Contractor under the contract or under any

other contract with IIT Tirupati or from his Security Deposit or he shall pay the claim on demand.

CANCELLATION OF CONTRACT FOR CORRUPT ACTS: -

IIT Tirupati, whose decision shall be final and conclusive, shall without prejudice to any other right or remedy which shall have accrued shall accrue thereafter to IIT Tirupati cancel the contract in any of the following cases and the Contractor shall be liable to make payment to IIT Tirupati for any loss or damage resulting from any such cancellation to the same extent as provided in the case of cancellation for default,

If the Contractor shall: -

Offer or give or agree to give to any person in IIT Tirupati service any gift or consideration of any kind, as an inducement or reward for doing or for bearing to do or for having done or for borne to do any act, in relation to the obtaining or execution of this or any other contract for IIT Tirupati service,

OR

Enter in to a contract with IIT Tirupati in connection with which commission has been paid or agreed to be paid by him or with his knowledge, unless the particulars of any such commission and the terms of payment thereof have previously been disclosed in writing to IIT Tirupati.

OR

Obtain a contract with IIT Tirupati as a result of ring tendering or by non-bonafide methods of competitive tendering, without first disclosing the fact in writing to IIT Tirupati.

CANCELLATION OF CONTRACT FOR INSOLVENCY ASSIGNMENT OF TRANSFER OR SUBLETTING OF CONTRACT: -

IIT Tirupati, without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to IIT Tirupati shall cancel the contract in any of the following cases: **If the Contractor,**

- (a) Being an individual or if a firm any partner thereof shall at any time be adjudged bankrupt or have a receiving order for administration of his estate, made against him or shall take any proceedings for liquidation or composition under any bankruptcy Act or assignment of his effects of composition or arrangement for the benefit of his creditors or purport to do so, or if any application made under any Bankruptcy Act for the time being in force for the sequestration of his estate or if a trust deed be granted by him on behalf of his creditors

OR

- (b) Being a Company, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, or a receiver or Manager on-behalf of the debenture holders shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or Manager,

OR

- (c) Assigns, Transfers, Sub-lets or attempts to assign, transfer or sub-let any portion of the work without the prior written approval of the IIT Tirupati.

- (d) Whenever IIT Tirupati exercise the authority to cancel the contract under this conditions, IIT Tirupati may have the work done by any means at the Contractor's risks and expenses provided always that in the event of the cost of the work so done (as certified by Engineer in charge which is final and conclusive) being less than the contract cost, the advantage shall accrue to the IIT Tirupati and if the cost exceeds the money due to Contractor under the contract, the Contractor shall either pay the excess amount ordered by Engineer-in-Charge or the same shall be recovered from the Contractor by other means.
- (e) In case the IIT Tirupati carries-out the work under the provisions of this condition the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plants and/or labour provided by the IIT Tirupati with an addition of such percentage to cover superintendence and establishment charges as may be decided by Engineer-in-Charge, whose decision shall be final and conclusive.

CANCELLATION OF CONTRACT IN PART OR FULL FOR CONTRACTOR'S DEFAULT:

If the Contractor:

- (a) Makes default in carrying out the work as directed and continues in that state after a reasonable notice from Engineer in charge or his authorised representative.
- (b) Fails to comply with any of the Terms and Conditions of the contract or after reasonable notice in writing with orders properly issued there under.
- (c) IIT Tirupati may without prejudice to any other right or remedy which shall have accrued or shall accrue thereafter to IIT Tirupati, CANCEL the contract as whole or in part thereof or only such work order or items of work in default from the contract. Whenever IIT Tirupati exercise the authority to cancel the contract as whole or part under this condition IIT Tirupati may complete the work at the contractor's risk and cost (as certified by Engineer in charge, which is final and conclusive) being less than the contract cost, the advantage shall accrue to the IIT Tirupati. If the cost exceeds the moneys due to the Contractor under this contract the Contractor shall either pay the excess amount ordered by Engineer-in-Charge or the same shall be recovered from the Contractor by other means. In case the IIT Tirupati carries out the work or any part thereof under the provisions of the conditions the cost to be taken into account in determining the excess cost to be charged to the Contractor under this condition shall consist of the cost of the materials, hire charges of tools and plant and/or Labour provided by the IIT Tirupati with an addition of such percentage to cover the superintendence and establishment charges as may be decided by the Engineer in charge, whose decision shall be final and conclusive.

TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR: -

without prejudice to any of the rights or remedies under this contract, if the Contractor dies, or if the firm is dissolved or the company is liquidated, IIT Tirupati shall have the option of terminating the contract without compensation to the Contractor.

SPECIAL POWER TO TERMINATION: -

If at any time after the award of contract, IIT Tirupati shall for any reason whatsoever not require whole or any part of the work to be carried out the Engineer in charge shall give notice in writing of the fact to the Contractor who shall have no claim to any payment of compensation or otherwise howsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not derive in consequence of the foreclosing of the work.

LABOUR: -

The Contractor shall remain liable for the payment of all wages or other moneys to his workpeople or employees under the payment of Wages Act 1936, Employees Liability Act. 1938, Workmen's Compensation Act 1923 or any other Act or enactment, relating thereto and rules framed, there under from time to time.

PRECAUTIONS AGAINST RISK: -

The Contractor shall be responsible for providing at his own expense for all precautions to prevent loss or damage from any and all risks and to minimize the amount of any such loss or damage and for the necessary steps to be taken for the said purpose.

COMPLETENESS OF TENDER: -

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

STORAGE AND CUSTODY OF MATERIALS: -

The Contractor has to make his own arrangements. No storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department/client.

CARE OF THE BUILDING: -

Care shall be taken by the contractor while handling and installing the various equipment's and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

COMPLETION PERIOD: -

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc., arrangement of materials & equipment, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

PAINTING:

This shall include cost of painting of the entire installation. The major equipment's like Street Light Poles, Feeder Pillars etc. shall be factory final finish painted. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting.

ACCEPTABLE MAKES: -

The acceptable makes of various equipment/components/accessories have been indicated in "Preferred Makes" appended with the tender documents. The bidder shall work out the cost of the offer on this basis. Alternate makes are not acceptable.

The agency shall submit drawings and details such as makes and models of the equipment's/materials offered by him along with specifications for all E&M components to the Engineer-in-charge of the work, before ordering the equipment/materials for approval of the department.

The Engineer-in-charge shall scrutinize the proposal and approve the makes and models which are acceptable as per the schedule, specifications, conditions of the agreement and inform the agency for procurement.

INSPECTION AND TESTING: -

All major equipment's shall be offered for initial inspection contractor will intimate the date of testing of equipment's at the manufacturer's works before dispatch. The contractor shall give advance notice of minimum one week regarding the dates proposed for such tests to the department's representative to facilitate his presence during testing.

The Engineer-in-charge or his representative may witness such testing. The cost of the Engineer's visit to the factory will be borne by the Department. Equipment's will be inspected at the manufacturer/ Authorized Dealers premises, before dispatch to the site by the contractor if so desired by the Engineer-in-charge. Engineer-in-charge at his discretion may waive off inspection at factory /at the manufacturer's works before dispatch.

Copies of all documents of routine and type test certificates of the equipment, carried out at the Manufacture's premises shall be furnished to the Engineer-in-charge. The decision of the Engineer-in-charge in this regard shall be final & binding on the contractor.

All materials brought by the Contractor for incorporation in the work shall be got inspected and approved by the Engineer-in-charge before they are incorporated in the work.

After completion of the work in all respects the contractor shall offer the installation for testing and operation. The contractor should submit all the related documents of completed E&M equipment to the department for further handing over to client department.

RATE FOR ADDITIONAL ITEM / SUBSTITUTED ITEM:

This will be as per the rate analysis based on the market rate for material and Labour prevailing at the time of execution at place of work as ascertained by Engineer in charge raised to the overall tender percentage at which the work was awarded to cover overheads / establishment / profit.

CORRIGENDUM / AMENDMENT:

It is the bidders responsibility to watch for any corrigendum or amendment till the opening of a particular tender that will be posted only at IIT Tirupati and CPPP web site.

LED Luminaries Specifications.

Sl. No	Criteria	Specification
1	Luminaries configuration/ technical requirement	As per the description mentioned in BOQ
2	Housing/ body of fitting	Extruded Aluminium/ Pressure Die cast Aluminium
3	Cover/ Diffuser	Poly carbonate
4	Finish	Aesthetically designed housing with corrosion resistant powder coating.
5	Protection (minimum)	IP 67 & IK 08
6	Operating Voltage	150V to 270V universal electronic driver with internal surge protection of not less than 5kV.
7	Frequency	50 Hz
8	Beam Angle	Not less than 90 degree
9	Operating temperature	Range 0 to +50 deg. Centigrade
10	Power factor	≥ 0.95
11	Optical assembly	Array of medium power LEDs for Outdoor
12	System power rating	≤ 240 Watt
13	Efficacy of luminaire (including power loss)	≥ 150 lumen per watt
14	LED Lumens output	≥ 165 lumen per watt
15	LED colour temperature	≥ 5700 K
16	C.R.I.	≥ 70
17	Heat dissipation/ Heat sink	Well-designed thermal management system with aluminium heat sink.

18	Driver efficiency	≥ 90%
19	Make of LED	CREE/ Philips Lumileds/ Osram/ NICHIA Or As per the manufactures standard with the permission of the Engineer – in – charge.
20	Certificates to be submitted	LM 79 and LM 80

LIST OF PREFERRED MAKES OF MATERIAL

Sr. No.	Product	Make
1	Wires (PVC insulated copper conductor cable FRLS- ISI marked)	Havells/ Finolex / KEI/RR Kabel/ Polycab/ Asmon
2	MCBs/MCCBs/MCB DBs/ MCCB DBs	Legrand/L&T/Siemens /Hager/ Schneider Electric/ Havells Crabtree
3	LED light fitting	K-Lite /Philips/Wipro
4	GI pipes	Tata/Jindal /SAIL
5	LT Cables	Polycab/ Gloster/ Havell's
6	Street Light Pole	K Lite /Bajaj/ Valmont
7	DWC Pipe	Rex/ Gemini/Ashirvad
8	All other items not covered above	As per the approval of Engineer-in-charge

Note: -

Bidders quoting for make & models other than above will be rejected.

The department, reserves the right to add or delete any materials and Brands in the list of approved materials/brands subject to the recovery of financial implications.

Schedule of Quantities

Name of the Work: Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt)

S.No.	Description of Item	Qty	Unit	Rate	Amount
1	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	7.50	cum	363.30	₹ 2,724.75
2	Providing and laying in position reinforced cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc. including form work etc. as required (excluding reinforcement).	2.25	cum	8839.13	₹ 19,888.04
3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	60.25	Kg	91.48	₹ 5,511.67
4	Supply, Erection, Testing and Commissioning of 9.5 Mtr. Height Single side focus LED Flood Lighting M.S. painted pole with 1100 mm long overhang arm, electrical junction box (including with 1 no's of 6A SP MCB's & 1 no of 4 way connector), base plate not less than 400mm * 400mm * 16mm, 4 no's of J or L M20 bolts (with length of rod not less than 700mm) and nuts, washers etc. , on existing cement concrete pedestal etc. as required to complete the job in all respects to install the 4 no's of 4*60W LED Fittings.	5.00	Each	83197.00	₹ 4,15,985.00

5	Supply, Installation, Testing and Commissioning of 230V, 50Hz, 4 x 60 W LED Flood light fitting having colour temperature not less than 5700K, system lumen output not less than 39,840 lumens, system wattage 240 Watts, IP 67 rated IK 10, Beam angle not less than 90 degree, built in electronic driver with surge protection not less than 5 KV, extruded aluminium body etc. on existing pole as required .	20.00	Each	51991.00	₹ 10,39,820.00
6	Supplying and drawing 1.5 sq. mm PVC insulated PVC round sheathed (unarmoured) 3 core copper conductor cable in existing PVC conduit / street light pole from looping box to street light fitting as required.	200.00	Metre	70.00	₹ 14,000.00
7	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				
7.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	500.00	Metre	230.09	₹ 1,15,045.00
8	Supplying of following size of XLPE insulated, PVC sheathed aluminium conductor, armoured UG cable of 1.1 KV grade conforming to IS 7098 as required.				
8.1	4 x 25 sq.mm	90.00	Metre	294.00	₹ 26,460.00
8.2	4 x 16 sq.mm	460.00	Metre	219.00	₹ 1,00,740.00
9	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
9.1	Up to 35 sq. mm	550.00	Metre	34.13	₹ 18,771.50

10	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.				
10.1	4 X 16 sq. mm (28mm)	2.00	Each	275.23	₹ 550.46
10.2	4 x 25 sq.mm (28 mm)	2.00	Each	275.23	₹ 550.46
11	Earthing with G.I. earth plate 600 mm X 600 mm X 6 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.	2.00	Sets	6843.19	₹ 13,686.38
12	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	8.00	Metre	531.73	₹ 4,253.84
13	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	5.00	Metre	226.79	₹ 1,133.95
14	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop Earthing along with existing surface/ recessed conduit/ sub main wiring/ cable as required.	920.00	Metre	40.73	₹ 37,471.60
15	Supply, installation, testing and commissioning of size less than 600mm X 600mm X 300mm, outdoor type street light control panel made out of 14 SWG CRCA sheet steel, dust protected, vermin proof, having hinged doors with locking arrangement, canopy at top complete with following control accessories, powder coat painted and Earthing, control wiring etc. as required. The panel shall be floor mounting type and installed at a height of not less than 450mm above FGL with 50mm x 50mm x5 mm MS angle iron frame work with supports buried up to a depth of 300mm below ground with PCC concrete footings.	1.00	Each	25590.00	₹ 25,590.00

	a) 63 amps 3 pole MCB - 1 No.				
	b) 32 Amps, 3 pole MCB - 3 No.				
	c) 63 amps 3 pole contactor - 1 No.				
	d) Time switch for 24 hour operation - 1 No.				
	e) Rotary Selector Switch - 1 Nos.				
	f) Manual On Toggle Switch - 1 Nos				
	g) 63A, 6 Way Neutral Link Connector - 1 No				
	Total				₹ 18,42,182.65

ANNEXURE – I

FORM OF UNDERTAKING

To,
The Executive Engineer (C),
Engineering Unit, IIT Tirupati,
Merlapaka (V), Yerpedu (M),
Tirupati (Dt)-517619.
Andhra Pradesh.

I / We hereby offer to carry out the work of

I / We hereby carefully perused the following documents connected with the above noted work and agree to abide by the same.

1. Specifications (General & Particular)
2. Drawings
3. Bill of Quantities
4. CPWD works Manual in force.

I / We agree to execute all the work referred to in the said documents upon the terms & conditions contained or referred therein and as detailed in Drawings and Bill of Quantities thereto and to carry out such deviations as may be ordered, vide conditions of the IIT Tirupati.

I / We further agree to refer all disputes, as required to the sole arbitration of an Officer, to be appointed by the Dean P&I, IIT Tirupati., in his sole discretion whose decision shall be final and binding.

WITNESS

Signature of the Contractor

Date:

1.

2.

ANNEXURE – II

FORM OF UNDERTAKING

To,
The Executive Engineer (C),
Engineering Unit, IIT Tirupati,
Merlapaka (V), Yerpedu (M),
Tirupati (Dt)-517619.
Andhra Pradesh.

Tender No. **IITT/EU/E&M/Tender/2022-23/001**

Notice Inviting Tender for Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt).

Sir,

I /we hereby submit our tender for Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt).

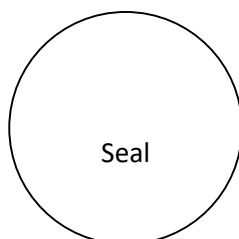
1. I/ We enclosed herewith the following in favor of Indian Institute of Technology Tirupati towards Tender Fee.

Particular	Amount	Payment Reference Details	Payment Date
Tender Fee	500/-		

I / We hereby reconfirm and declare that I / We have carefully read, understood & complying the above referred tender document including instructions, terms & conditions, scope of work, schedule of quantities and all the contents stated therein. I / We also confirm that the rates quoted by me / us are inclusive of all taxes, duties etc., applicable as on date.

2. I /we have gone through all terms and conditions of the tender document before submitting the same.

Date:



Authorized Signatory

Name:

Place:

Designation:

Contact No:

ANNEXURE – III

FORM OF UNDERTAKING

To,
The Executive Engineer (C),
Engineering Unit, IIT Tirupati,
Merlapaka (V), Yerpedu (M),
Tirupati (Dt)-517619.
Andhra Pradesh.

Sub: Providing Flood Lighting for Playground at IIT Tirupati (South campus),
Merlapaka (V), Yerpedu (M), Tirupati (Dt).

Sir,

With reference to the above, I hereby undertake not to sublet the work cited above, if
the work is allotted to me.

Date:

Name of contractor

Signature and seal

On Company Letter Head

ANNEXURE – IV

BID SECURITY DECLARATION

To
The Executive Engineer (C),
Engineering Unit, IIT Tirupati,
Merlapaka (V), Yerpedu (M),
Tirupati (Dt)-517619.
Andhra Pradesh.

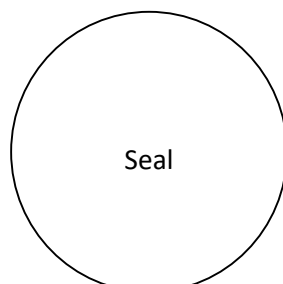
Tender No. IITT/EU/E&M/Tender/2022-23/001
(Notice Inviting Tender for Providing Flood Lighting for Playground at IIT Tirupati
(South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt))

Sir,

We, the undersigned, declare that

1. We understand that, according to tender conditions, bids must be supported by a Bid Securing Declaration.
2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Institute for the period of **3 years** starting from the bid closing date, if we are in breach of our obligation(s) under the bid conditions, because we:
 - (a) Have withdrawn our bid during the period of bid validity specified in the letter of bid; or
 - (b) Having been notified of the acceptance of our bid by the institute during the period of bid validity, (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the tender conditions.

Date:



Authorized Signatory

Name:

Place:

Designation:

Contact No:

Validate

Print

Help

Percentage BoQ

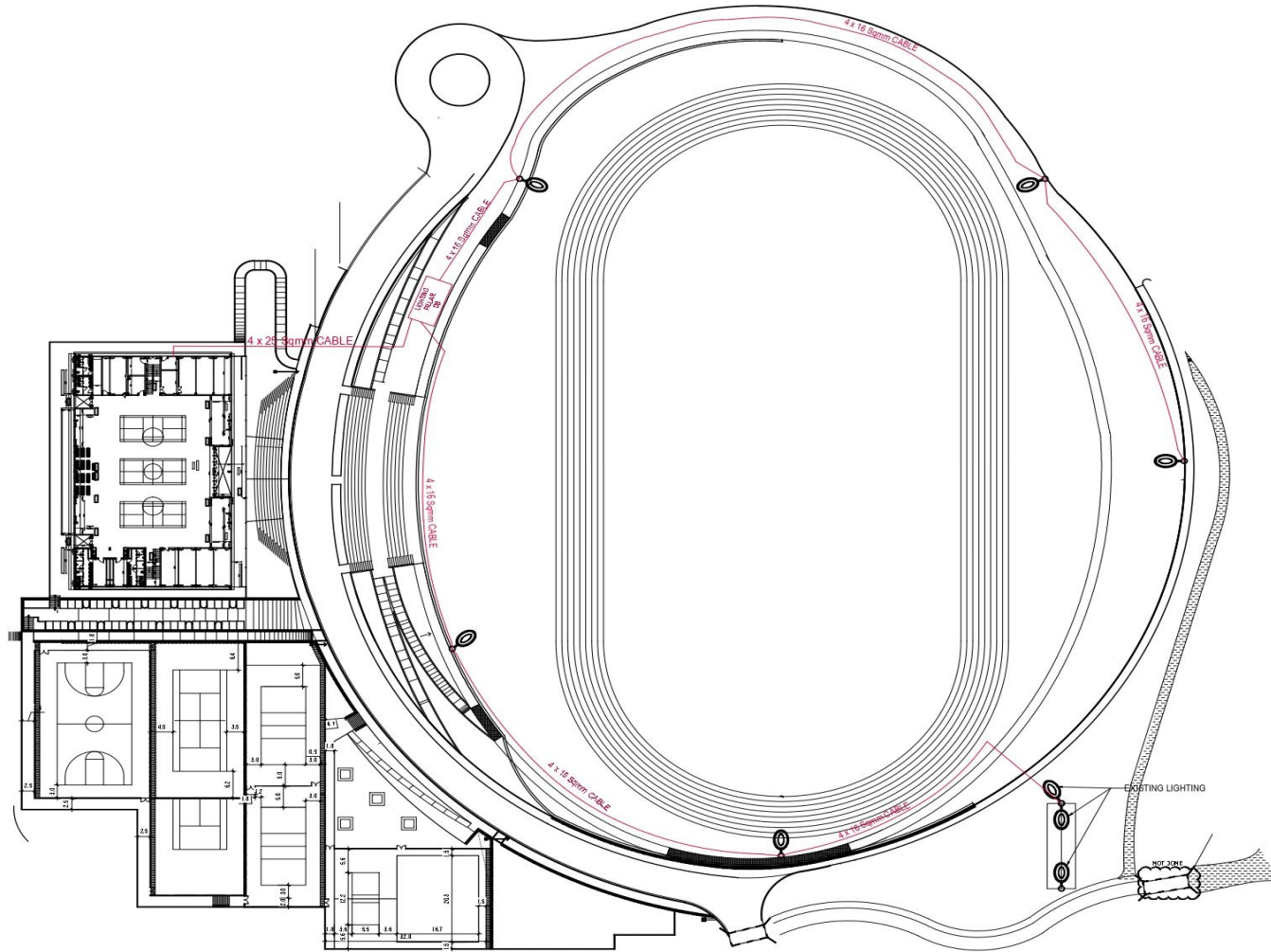
Tender Inviting Authority: Executive Engineer (C), Engineering Unit, IIT Tirupati

Name of Work: Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V),

Yerpedu (M), Tirupati (Dt) - 517619 Contract No: NIT No. IITT/EU/E&M/Tender/2022-23/001

Name of the Bidder/ Bidding Firm / Company :						
PRICE SCHEDULE (Important Note: 1) The tenderer is to quote a single consolidated percentage only at par/above/below estimated cost to cover all the rates of all the items under te schedule tender 2) I f the percentages quoted are not clear, or if the rate is not quoted in percentage, the tender shall be treated as invalid and will not be entertained as lowest tenderer						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
1	C/o IIT Tirupati (South campus)					
1.01	Providing Flood Lighting for Playground at IIT Tirupati (South campus), Merlapaka (V), Yerpedu (M), Tirupati (Dt) - 517619	1.000	Nos	1842183.00	1842183.00	INR Eighteen Lakh Forty Two Thousand One Hundred & Eighty Three Only
Total in Figures					1842183.00	INR Eighteen Lakh Forty Two Thousand One Hundred & Eighty Three Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words			INR Zero Only			

LEGEND
 9.5mtr Lighting Pole



PROPOSED LIGHTING LAYOUT FOR SOUTH CAMPUS PLAYGROUND