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IIT DHARWAD

INDIAN INSTITUTE OF TECHNOLOGY DHARWAD
CHIKKAMALLIGWAD, DHARWAD-580011.

Tender for Electrical work for General Lighting power source arrangement at STP and erection of poles & luminaries on the pathway at IIT Dharwad.

Tender no: IITDH/IPS/EE/2026-27/002

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SECTION -I-NOTICE INVITING TENDER

(E-PROCUREMENTMODEONLY)

Indian Institute of Technology Dharwad (IIT Dharwad) invites online bids (e-tender) in two bid system from reputed, experienced, and financially sound parities

Name of the work:	Tender for Electrical work for General Lighting power source arrangement at STP and erection of poles & luminaries on the pathway at IIT Dharwad.
Type of Tender:	Open Tender
Cost of tender documents	Free
EMD:	₹ 15,600/-
Account details for EMD Payment and Performance Security Payment	Bidders may make the EMD payment through the following link: https://onlinesbi.sbi.bank.in/sbicollect/icollecthome.htm?corpID=3407756 <i>(Copy and Paste the above link for processing the payments)</i>
Information on Submission of Bids	
Technical Bid	EMD, Technical Specification, Tender Document, Schedule of Requirement and Compliance, Bidders Information, Previous Work Orders etc.
Financial Bid	Price only
Contacting Authority:	The Executive Engineer (EE-IPS) Permanent Campus IIT Dharwad E-mail: ee.ips@iitdh.ac.in . Telephone: 91-836-2212-839

The Tender Document can be downloaded from **Central Public Procurement (CPPP) Portal <http://eprocure.gov.in/eprocure/app>** and bid is to be submitted online only through the CPP Portal on or before the due date and time for submission of bid.

The right to suspend the tender process or part thereof, to accept or reject any or all the tenders at any stage of the process and/or to modify the process or any part thereof at any time without assigning any reason vests with IIT Dharwad without any obligation or liability whatsoever.

1. GENERAL INSTRUCTIONS TO TENDERERS / BIDDERS

The tender document can be downloaded from <http://eprocure.gov.in/eprocure/app> and should be submitted ONLY through the same website. The bid shall remain valid for 90 days from the date of opening of the financial bid as prescribed by IIT Dharwad. A bid valid for a shorter period shall be rejected, being non-responsive.

1.1 INSTRUCTION TO THE BIDDERS

- i. 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. The registration is completely free of charge.
- ii. Possession of a valid Class II/III Digital Signature Certificate (DSC) in the form of Smart Card / e-token is a pre-requisite for registration and participating in the bid submission activities. DSCs can be obtained from the authorized certifying agencies recognized by CCA India (e.g. Sify/TCS/ncode/emudhra etc.).
- iii. Bidders are required 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.
- iv. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible for ensuring that they do not lend their DSC to others, which may lead to misuse.
- v. The bidders are required to login to the site through the portal by entering their respective user ID / password and the password of the DSC.
- vi. The CPP portal also has user manuals with detailed guidelines on enrolment and participation in the online bidding process. The user manuals can be downloaded for reference.
- vii. Any queries related to the process of online bid submission or queries related to CPP Portal, in general, may be directed to the 24x7 CPP Portal Helpdesk.

1.1 **BID OPENING**

- i. Technical Bids will be opened on the due date and time mentioned in the bid on CPPP.
- ii. Financial Bids of the eligible bidders will be opened at a later date. The date and time for the opening of Financial Bids will be announced later through CPP.
- iii. Bids will be summarily rejected if the tenders are submitted other than through CPPP mode within the stipulated date/time.

ELIGIBILITY CRITERIA:

Only those bidders fulfilling the following Eligibility Criteria (supported by documents) are expected to participate in the Tender (**all criteria to be mandatorily fulfilled for technical qualification**): -

S. No.	Eligibility Criteria	Document required
1.	Proof of establishment of company/business for a period of more than 5 years.	The Bidder must be in the business of Electrical Works as described in the specification for a period not less than 5 years (i.e., must be in this business from 2020 or earlier).
2.	Previous experience & copy of performance certificates along with Work Orders	The bidder/OEM should have executed one contract for similar works of ₹ 6.24 Lakh (or) The bidder/OEM should have executed two contracts for similar works of ₹ 4.68 Lakh. (or) The bidder/OEM should have executed three contracts for similar works of ₹ 3.12 Lakh. in any one year of the previous Five financial years (2020-21,2021-22, 2022-23, 2023-24, 2024-25) in any IITs/IIMs/CFTIs/State/Central Govt. offices/PSUs/Central Universities/ESCOM / KPTCL/Limited companies. during a period of last 5 years (i.e., Work orders issued after during April 2020 till date). COPIES OF WORK ORDERS OR SUCCESSFULL COMPLETION CERTIFICATES TO BE SUBMITTED ALONG WITH THE TECHNICAL BIDS. Similar works mean Electrical works.
3.	Minimum Annual Turnover of the bidder in any of the last 5 Financial years (Certified Turnover Certificate from CA along with last 5 years ITR shall be enclosed).	₹ 15.59 lakhs
4.	Duly Signed Tender Document	All the pages of the tender should be signed with a seal by the bidder.
5.	Non-Black listing	A Certificate/Undertaking on the letter head of the Company to the effect that the bidder has not been blacklisted anywhere in India or abroad by any organization. A self-certification to this effect is required to be closed.

6.	GST and Income Tax	The Bidder should be registered with statutory authorities concerned for GST/Income Tax etc. The bidder should furnish relevant GST registration documents and PAN/TAN copies along with the bank details of the firm
7.	EMD	<p>EMD of ₹15,600/- to be paid in the name of “Registrar IIT Dharwad” Payable at Dharwad. Original EMD must be submitted with a cover letter to this office on or before last day of BID Submission. The tenderer should submit the requisite interest free Earnest Money Deposit (EMD) by pay order or Demand Draft in favor of The Registrar, IIT Dharwad. Tenders not accompanied by the Earnest Money Deposit shall not be considered. The EMD of unsuccessful tenderers will be returned within one month of award of work</p> <p>“BID Security” (also known as Earnest Money Deposit) shall mean Insurance Surety BOND, Account Payee Deman Draft, Fixed Deposit Receipt, Banker’s Cheque or Bank Guarantee (including e-Bank Guarantee) from any of the Commercial Banks.</p> <p>If the soft copy of the EMD is not uploaded along with technical bid and physical EMD in the form of Demand Draft/FD etc is not submitted with a covering letter before the due date & time, The bid will be rejected.</p> <p>The Earnest Money Deposit (EMD) / Performance Security Deposit may be remitted online, which is acceptable to the Institute. The Institute’s bank payment details are provided below for this purpose. Bidders may make the EMD payment through the following link:</p> <p><u>https://onlinesbi.sbi.bank.in/sbicollect/icoll ecthome.htm?corpID=3407756</u></p> <p><i>(Copy and Paste the above link for processing the payments)</i></p> <p>By selecting the payment category “EMD/PBG/REGISTRATION FEE.” And entering the Tender number in the Category. Payments may be made through Net Banking, Debit Card, Credit Card, UPI, or by</p>

		<p>generating a challan under the <i>Branch</i> or <i>NEFT</i> options.</p> <ul style="list-style-type: none">• In the case of payments made through SBI, bidders shall select the <i>Branch</i> option, generate the challan, visit any SBI branch, and complete the payment process.• In the case of payments made through non-SBI banks, bidders shall select the <i>NEFT</i> option, generate the challan, and visit their respective bank to complete the payment. <p>Upon successful payment, a receipt will be generated automatically. Bidders are required to submit this receipt along with the technical bid without fail.</p>
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(To be submitted on firm/contractor's letter head)

No.....

Date:

To
The Executive Engineer,
Indian Institute of Technology Dharwad,
Near High Court, P.B. Road,
Dharwad-580011.

Dear Sir,

Sub: Tender for Electrical work for General Lighting power source arrangement at STP and erection of poles & luminaries on the pathway at IIT Dharwad.

With reference to your notice for Electrical work for General Lighting power source arrangement at STP and erection of poles & luminaries on the pathway at IIT Dharwad, I am / we are pleased to offer myself / ourselves to undertake the above work in your esteemed organization. in submission of this offer, we confirm that:

- i) We have not made any misleading representation in the forms, statements, and attachments in proof of the qualification requirements.
- ii) We do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history, or financial issues.
- iii) Business has never been banned by the Central / State Government Department/public sector Undertaking or Enterprise of Central / State Government.
- iv) We have submitted all the supporting documents and furnished the relevant details as per the prescribed format.
- v) The information and documents submitted with the tender by us are correct and we are fully responsible for the correctness of the information and documents submitted by us.

Yours
faithfully,

(Signature of the authorized person of the firm/contractor with office seal).

Section -III	Application form
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PART-1(BASICINFORMATION)

1	Name of the Contractor / Firm / Organization/Company.	
2	Official Address for Correspondence With Telephone & Mobile Nos.	
3	Correspondence address with contact person's name, telephone number, mobile number etc. (The Company should have office and service facilities in Karnataka)	
4	Type of Firm/Organization, whether proprietorship, partnership or private limited company etc.	
5	Year of establishment	
6	Name of the Proprietor / Partners /Directors in Organization	a) b) c) d)
7	a) Details of Registration (Firm, Company, etc.) <ol style="list-style-type: none"> i. Registering Authority ii. Date iii. Number b) Details of Labor license <ol style="list-style-type: none"> i. Registering Authority ii. Reg No. iii. Date of issue iv. Date of expiry. 	To be filled by the vendors

8	a) Details of Income Tax Permanent Account Number (PANNo.). b) Details of TIN No. c) Details of EPF No. d) Details of ESI No. e) Details of GSTNo. (enclose a copy of the certificate competent Authority)	To be filled by the vendors
9	Annual turnover of the firm for the last five years (in Rs. Lakhs) (Furnish copies of Balance Sheet and Profit & Loss Account)	a) For F.Y.2024-25: b) For F.Y.2023-24: c) For F.Y.2022-23: d) For F.Y 2021-22: e) For F.Y 2020-21:
10	Whether registered/empaneled with any of the IITs/IIMs/State/Central Govt. offices/PSUs/Central Universities/ ESCOM / KPTCL/Limited companies as approved contractors and if so, furnish details.	
11	Whether any technical personnel are employed with the Firm / Organization and if so, give details of their experience, qualification	
12	If involved in any litigation earlier with any organization. If so, please submit the details.	
13	Any civil suits pending in any of the works executed. If so, furnish details.	

(Signature of the Contractor / Authorized person on behalf of the Firm/Organization)

GENERAL CONDITIONS OF CONTRACT

Online Tenders are hereby invited on behalf of the Indian Institute of Technology, (IIT) Dharwad, for Electrical Works at IIT Dharwad.

Any prospective bidder, not satisfying any of the above mentioned qualification criteria, shall be disqualified on technical grounds and their price bid will not be considered.

1. Tender documents can be obtained from CPPP <http://eprocure.gov.in/eprocure/app>
2. The bidder must submit the following documents/information within the Technical Bid (all 7 criteria to be mandatorily fulfilled for technical qualification):
3. The technical bids shall be opened as mentioned in the NIT. The vendors who are shortlisted after qualifying technical bid evaluation will be intimated the date of opening of price bids subsequently through CPPP. IIT Dharwad reserves the right to reject any or all the tenders / bids without assigning any reason thereof.
4. The bidder is advised to avoid offering discount / rebate in the covering page or at the end of the schedule. Instead, the same can be incorporated in the unit rate by reducing the unit rates. If at all offered, the discount / rebate percentage offered is to be written in words like Five percent / Point Five percent etc.
5. The rates quoted shall be inclusive of all taxes, royalties etc. The Contractor shall quote for all the items whose rates are asked and not leave any item blank.
6. The offer should be valid for 90 days from the date of opening for the purpose of issue of acceptance letter. The amount quoted herein after referred to as base rate must be firm and inclusive of all charges of any kind and inclusive of any kind of liability from / to any authority. GST shall be mentioned separately and must not form part of base price. There will be no extra payment or payment of escalation in the amount under any circumstances whatsoever. Income and other Statutory taxes as applicable by time to time as per GOI Norms will be deducted at source from the payment against the certified bill amount.
7. No extra item or substitute item shall be allowed without prior approval in writing.
8. Work must be carried out in consultation with the representative authorized by IIT Dharwad.
9. "BID Security" (also known as Earnest Money Deposit) shall mean Insurance Surety BOND, Account Payee Demand Draft, Fixed Deposit Receipt, Bank Guarantee, NEFT, RTGS (including e-Bank Guarantee) from any of the Commercial Banks.
 - a) The tenderer should submit the requisite interest free Earnest Money Deposit (EMD, if

applicable) by pay order or Demand Draft in favor of The Registrar, IIT Dharwad. Tenders not accompanied by the Earnest Money Deposit shall not be considered. The EMD of unsuccessful tenderers will be returned within one month of award of work.

- b) In case of DD / FDR / Bank Guarantee, the same shall be submitted before the due date and time of bid submission.
10. The full value of Earnest Money Deposit is to be absolutely forfeited by the Director, IIT Dharwad, or his authorized representative, without prejudice to any other rights or remedies to the Director, IIT Dharwad or his authorized representative, if the contractor fails to commence the work within 15 days from the date of issue of the Work Order.
11. The Earnest Money Deposit of the unsuccessful bidders will be returned within 30 days from the date of the Award of Contract (AoC). The EMD of the successful bidder will be returned on receipt of Performance Bank Guarantee.
12. No part of the contract shall be sublet without prior written permission of IIT Dharwad nor shall transfer be made to Power of Attorney authorizing others to receive payment on behalf of the Contractor.
13. IIT Dharwad reserves the right to reject the bid without assigning any reason thereof.
14. The Contractor shall comply with the provisions of all Acts, Statutes, Rules, Regulations etc. of the Central and State Government as the case may be that may apply to his case and if necessary, get himself duly registered as required by the said Acts, Statutes, Rules, Regulations etc.
15. The Contractor shall be liable to pay applicable tax (including Taxes on works contract to state Government) if any, that may be levied by the State or Union Government. Any request contrary to this will not be accepted.
The track record of the Contractor should be clean and he should not have any involvement in any illegal activities or frauds.
16. **Period of Work:** 60 days
17. **Terms of payment:**
As per the measurements at site and on certification of Junior Engineer, IIT Dharwad.
- a) The payment shall be released through NEFT / RTGS payment system only in the bank account of the Contractor after necessary statutory deduction.
- b) TDS and other Statutory taxes shall be deducted at the source from the bills.
18. **Performance Bank Guarantee:** "Performance Security" means Assurance given by the Contractor for the works done by them against the subject Work Order.
- a) The PBG can be submitted by the Contractor in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial Bank or Online

Payment to the Institute's Bank Account.

- b) PBG equal to 5% of the Contract value shall be submitted by successful bidder within 15 days from the date of Letter of Intent which shall be valid for a period of 60 days beyond DLP. On submission of PBG, Contract will be awarded.
 - c) Wherever the actual execution of the work exceeds the Contract value 5% of the deviated value shall be recovered from the bill and shall be retained for a period of 60 days beyond DLP.
 - d) Defect liability period (DLP) shall be 06 Months from the date of Final Bill submission.
19. It shall be open to the Institute to abandon or give up at any stage of the construction of any of the said works or any part thereof. In the event of such abandon or giving up in the event of termination of the Agreement, the Contractor shall be paid up to the work performed by them.

20. Deviation, Extra Items & Approvals for Pricing:

In case of execution of any extra items(s), apart from the BOQ, Contractor should intimate the office of the Dean-IPS to obtain prior sanction in writing for carrying out the work along with the quantities & rates. Thereafter, the Contractor may submit the bills as per the usual practice of submission of RA bills.

All the extra items will be paid as per DSR 2023 for available items. For non-available items, market price shall be paid based on a comparison of 3 quotations.

DEVIATION LIMIT FOR THE CONTRACT ITEMS IS 30%.

In case of bill of quantities exceed the limit of Work Order, the Contractor should intimate the office of Dean (IPS) to obtain prior written sanction for carrying out the extra work along with the quantities & rates. Thereafter, the Contractor may submit the bills as per the usual practice of submission of RA bills.

21. Termination of contract:

If the Contractor fails to perform any of their obligations under this Agreement or if the Institute is dissatisfied with the services of the Contractor, Institute may issue seven days written notice intimating the Contractor of their failures or deficiencies and calling upon Contractor to rectify within such time, as may be specified in the notice and if the Contractor fails to perform such obligation or make the loss good, such deficiencies as pointed out to the Contractor in the notice, the Institute may terminate the Contract under this Agreement.

The Institute may also terminate the contract on the following grounds:

- if the firm is adjudged bankrupt or
- if they make a general assignment for the benefit of their creditors or

- if a receiver is appointed on account of their insolvency or
 - They disregard Law, Ordinances, Rules & Regulations, or Orders of any public authority having jurisdiction over the works.
- a) The termination shall be without prejudice to all rights, liabilities and remedies that have arisen or accrued till date of such termination or that may arise on account of such termination and Institute may get the project completed by whatever method they may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment, if due, until the loss, damage or expense incurred by the Institute due to breach of this Agreement by Contractor have been settled.
 - b) In case the Contractor abandons the work during the project, the Institute has the right to appoint an alternate Contractor or arrange for carrying out the work of Contractor, at the risk and cost of the Contractor.
 - c) Traveling / daily allowances shall not be payable to the Contractor, its representatives, officials, and consultants engaged by it for their visit to construction site, offices of local authorities, Employer's office, or any other place in Dharwad.
 - d) The scope of work broadly described herein and assigned to Contractor, as their area of responsibility is inclusive of all consultancy and other services required in connection with the completion of the work whether specifically mentioned herein or not and rendering such consultancy services will not entitle the Contractor to charge any additional fees in as much as the same are included in the overall professional fees payable to them.

22. Liquidated Damages Clause:

If any delay in execution of the works is attributable to the acts or omissions and commissions of Contractor, the Institute shall be entitled to recover liquidated damages after the grace period of 10 days at the rate of 0.5% of the total certified bill value per week of delay limited to maximum of 10% of the total certified bill value payable.

23. Professional indemnity:

The Contractor warrants that it shall exercise high degree of care and diligence in rendering the services pursuant to this agreement and that; such services shall be of a quality and standard satisfactory to Institute. The Contractor shall indemnify Institute from any damage or loss arising from such lack of care and diligence or arising out of any unsatisfactory performance of service by Contractor. The contractor is required to obtain a Contractor All Risk (CAR) policy for successful and safe completion of project. Contractor shall provide a copy of this policy to Institute showing that such insurance has been taken and being maintained and that all the premium thereon has been paid. A certified copy of such insurance policy shall be deposited with Institute.

24. Dispute Settlement:

In case of any dispute or difference arise between the parties during the progress of or after

construction of this contract or touching or relating either to the said buildings or works, or to any other matter or thing arising directly or indirectly under this contract, then and in such an event the same shall be referred to Director, IIT Dharwad as the SOLE ARBITRATOR who shall alone consider and determine the same, whose decision / award shall be binding and conclusive upon both the said parties and this clause shall be deemed a submission within the meaning of Arbitration and Conciliation Act 1996 or Statutory modification or re-enactment thereof. It is specifically agreed that the Contractor shall continue to render its services provided herein with all the due diligence, professional skill and tact notwithstanding that any matter, question, or dispute has been referred to arbitration. The venue of Arbitration proceedings shall be Dharwad. It is further agreed between the parties as hereto that the Dharwad Courts alone shall have the exclusive jurisdiction.

25. Site:

The contractor shall remove all surplus materials, debris etc. out of the IIT Campus from the site of work on completion work and will hand over the site clean before the bill is processed for final payment. Dismantled materials if any (declared by Engineer-in-charge of the work) shall be returned to the Estate/ Electrical stores by the contractor at his own cost. The disposal of material shall be done in environmentally friendly way and complying with the local rules and regulations.

26. Security:

a. Movement of Contractor's materials:

Any materials which are removed from the site of work and are required to be taken out from the IIT campus, the contractor should follow the following procedure:

The contractor shall apply in writing to the Engineer- in-charge the details of the materials to be removed including which are rejected etc. This application shall be endorsed by the engineer in charge or his authorized representatives. The materials shall only be allowed to go out of IIT campus after counter signature of the security officer and checked at the gate. No materials/tools will be allowed to be brought on holidays/Saturdays/Sundays inside the campus. Contractors can bring the materials/tools/between 0900 hours and 1700 hours on any working day (Monday to Friday). This may please be noted.

b. Search:

Thorough search of all persons and transport shall be carried out at each gate and for as many times as gate is used for entry or exit and may also be carried out at any time or any number of times at the works site within the restricted area.

c. Working Hours:

The units controlling restricted areas usually work during five days in the week and remain closed on Saturday and Sundays. The working hours available to the Contractor's labor and staff are however appreciably reduced because of the time of entry and exit during working hours. The exact working hours, working days and non-working days observed for the restricted areas where works are to be carried out shall be deemed to have been

ascertained by the contractor before submitting the tender. The tenderer's attention is invited to the fact that the total number of working hours for units are prescribed in regulations and no work beyond the prescribed working hours shall be permitted.

d. Entry and Exit:

The contractor, his agents, representatives, workmen, etc. and his materials, carts, trucks, or other means of transport, etc. will be allowed to enter through and leave from only such gate or gates and at such times as the concerned authorized in charge of the restricted area may, at their sole discretion, permit. Contractor's authorized representatives, if required, are to be present at the places of entry and exit for the purpose of identifying his carts, trucks, etc. to the personnel in charge of the security of the restricted area.

e. Labour Law:

The work will be executed strictly following the Labour Laws of Central Govt & State Govt as may be applicable.

27. Manpower:

Deployment: The required number of manpower and required resources such as tools and tackles shall be mobilized in sufficient number immediately to meet the deadlines of the contract.

All the removed materials for routine maintenance work should be brought to the office for accountability and a separate register needs to be maintained showing all received/used electrical consumables supplied by IIT Dharwad. No materials should be left anywhere in the camp.

1. General Overview

The scope includes design, supply, installation, testing, and commissioning of electrical systems for:

- Providing reliable power supply arrangement to the Sewage Treatment Plant (STP)
- Installation of pathway lighting including poles, luminaires, cabling, and control systems within the campus

All works shall comply with relevant IS standards, CPWD specifications, NBC guidelines, and local statutory regulations.

2. Power Supply Arrangement for STP

2.1 Source & Distribution

- Tapping power from nearest LT panel / substation as per approved scheme
- Extension of LT panel / feeder pillar including necessary MCCB/ACB protection
- Provision of dedicated feeder for STP loads

2.2 LT Cabling Works

- Supply & laying of LT XLPE insulated aluminium/copper armoured cables
- Cable laying through:
 - Underground trenches with sand cushioning and protective covering
 - HDPE/RCC pipes at road crossings
- Cable route markers and identification tags

2.3 Control Panel & MCC

- Design, supply, installation of MCC panel for STP equipment including:
 - Pumps, blowers, agitators, dosing systems
- Incoming/outgoing feeders with:
 - MCCB/MCB/ELCB protections
 - Indication, metering (V, A, kWh)
- Automatic/Manual operation modes

2.4 Earthing System

- Supply and installation of earthing system including:
 - Plate/pipe earthing stations
 - GI/Cu earthing strips/wires
- Equipment and panel earthing
- Achieving required earth resistance as per standards

3. Pathway Lighting System

3.1 Lighting Design

- Illumination design as per campus standards ensuring:
 - Uniform lighting levels
 - Energy efficiency
 - Minimal glare

3.2 Poles Supply & Erection

- Supply and erection of GI/octagonal poles of specified height (typically 4–6 m)
- Foundation works including:
 - Excavation
 - PCC foundation
 - Anchor bolts and templates
- Pole alignment and verticality checks

3.3 Luminaires Installation

- Supply & installation of LED street light fittings:
 - Energy-efficient, IP65 or higher
 - Suitable wattage as per pathway requirement
- Mounting accessories including brackets, clamps

3.4 Cabling & Wiring

- Laying of UG cables for lighting network
- Loop-in/loop-out connections between poles
- Weatherproof junction boxes inside poles

3.5 Feeder Pillars / Control Panels

- Supply & installation of outdoor feeder pillars with:
 - Timer/photocell-based automatic switching
 - MCB/MCCB protections
 - Contactors for lighting circuits

4. Earthing & Lightning Protection

- Earthing for each lighting pole (if specified)
- Common earthing grid connection
- Lightning protection (if required based on design)

5. Civil Works Associated

- Excavation for cable trenches and pole foundations
- Backfilling, compaction, and restoration of pathways/roads

- Construction of cable trenches with covers where required

6. Testing & Commissioning

- Insulation resistance testing of cables
- Earth resistance testing
- Functional testing of:
 - Panels and feeders
 - Lighting system (auto/manual operation)
- Trial run of STP electrical systems

1. Engagement terms of Labour:

- i. The agreement between IIT Dharwad and the contractor shall be purely based on service agreement. The Contractor shall make his own arrangements for the engagement of the Labour.
- ii. In respect of the engagement, employment, wages, transport, paying, feeding, housing, and working conditions of Labour and of all matters connected therewith, the contractor shall be solely responsible and liable.
- iii. During the continuance of the Contract, the contractor shall at all times be liable to obligations imposed on him by the provisions and requirements of any Central or State Statute ordinance or other law or any Regulation or Bye-law of any local or other duly constituted authority which may be applicable including any such law regulation or order passed or made or coming into force during the period of the Contract.
- iv. The Contractor shall comply with the provision of all Labour legislation including the requirements of:
 - The payment of Wages Act
 - Owner's Liability Act
 - Workmen's Compensation Act
 - Contractor Labour (Regulation & Abolition) Act 1970 and Central Rules 1971
 - Apprentices Act 1961
 - Any other Act or enactment relating thereto and rules framed there under from time to time.
- v. The successful tenderer shall keep all mandatory records like PF, ESI, Bonus etc. of his employees deployed at IIT Dharwad as per requirement of the Labour enforcement inspector from time to time.
- vi. The successful tenderer shall take necessary license from the Asst. Labour Commissioner and comply with the central Labour Act of 1970.
- vii. The successful tenderer shall have to take necessary insurance coverage for his workmen and keep IIT Dharwad indemnified against risk. Copy of such insurance premium receipt shall be submitted to IIT Dharwad before the release of first payment.

2. Accidents:

The Contractor shall report within 24 hours of the occurrence of any accident or mishap at or about the Site or in connection with the execution of the work shall report such incident to IIT Dharwad. The Contractor shall also report such accident to the competent authority whenever such report is required by law.

3. Insurance:

- a) Workman insurance policy in the joint name of IIT Dharwad and the Bidder should be submitted to IIT Dharwad before commencing the work. Contractors shall cover all the men and laborers, deployed by him on this work under an adequate comprehensive contractor's all risk policy, to insure Workmen and third-party insurance etc.
- b) The work is to be carried out in occupied office and laboratory premises and hence the contract shall be governed by the rules of IIT Dharwad regarding the working hours, supply & removal of materials etc. The contractor and their personnel shall not cause disturbance to the staff and research activities of IIT Dharwad
- c) The contractor should make proper safety arrangements like safety belts and helmets, etc. for the persons working on site. Contractor shall provide individual identity card to each of his staff /worker as per the approval format. The identity card shall be carried and displayed by the person during his entire presence or working in the premises.

SECTION-VI	Evaluation Criteria
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1. The L-1 will be decided on the Grand Total Rate quoted for the work. All levies/taxes (i.e., GST etc.) must be clearly mentioned in the row provided for the purpose (as per format of financial bid).
2. However, the decision of the Competent authority will be final and binding in awarding the order. In case of any clarification required, the same can be clarified from IIT Dharwad before submission of the bids.
3. The bidders must also note that the quantities may vary (30% more or less). Additional items may also crop up other than the listed items as per site conditions.

Bidder Information

1.	Name of the Bidder	
2.	Address of the Bidder	
3.	PAN No.	
4.	GSTN No.	
5.	State of GST Registration	
6.	E-mail	
7.	Contact Person's Name & Designation	
8.	Mobile No.	

(Signature of the Bidder with date and seal)

Tender no.: IITDH/IPS/EE/2026-27/002

PRICE-BID-SCHEDULE OF WORK / BOQ / PRICE BID
(To be quoted on the letter head of the bidder)

Bill of Quantities for Electrical work for General Lighting power source arrangement at STP and erection of poles & luminaries on the pathway at IIT Dharwad.					
Sr. No.	Description of Items	UoM	Qty	Rate (₹)	Amount (₹)
1	Supplying heavy gauge PVC conduit pipe 25 dia 2 mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc, and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.				
1.1	25 mm dia 2 mm thick	Meter	66.00		
2	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5 Sq.mm (Phase & Neutral) &1x1.0 sq.mm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
2.1	Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	Each	2.00		
2.2	Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box	Each	6.00		
3	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand and copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010				
3.1	2.5 mm ²	Meter	40.00		
4	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage up to 1100 Volts as per IS-694:1990				
4.1	3C x 1.5 mm ²	Meter	44.00		
5	Supplying and fixing surface/flush mounting				

	unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.				
5.1	6 Way	Each	2.00		
5.2	3 Way	Each	2.00		
6	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.				
6.1	6 Module	Each	2.00		
6.2	3 Module	Each	2.00		
7	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.				
7.1	6A One Way Switch	Each	12.00		
7.2	6A Three Way socket	Each	2.00		
8	Fabricating, supplying and erection of 9 mtrs long hot dip Galvanized Octagonal hot dip Pole with BSEN10025 grade S355JO steel plate for shaft, IS2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47m/s for 9 m Pole in single section and single joint welded as per IS 9595/IS10178AW Shaving dimensions bottom 155mm, top 70mm with 3mm thick, suitable base plate and 4Nos of..... long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123and153etc., (excluding foundation) as per drawing appended.				
8.1	9 m - Top 70 mm and Bottom 155 mm dia	Each	2.00		
9	1.1 kV, XLPE or Heat resistant PVC insulated, PVC extruded Inner Sheath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975				
9.1	95 Sqmm, 3.5 Core, (21 GI Strips - 4 x 0.8 mm)	Meter	500.00		
9.2	10 Sqmm, 4 Core, (10 GI Strips - 4 x 0.8 mm)	Meter	100.00		
9.3	16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm)	Meter	124.00		
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				

10.1	Upto 35 sq. mm	Meter	224.00		
10.2	Above 35 sq. mm and upto 95 sq. mm	Meter	312.00		
11	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
11.1	Above 35 sq. mm and upto 95 sq. mm	Meter	312.00		
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. in the existing trench, complete as required.				
12.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	Meter	224.00		
12.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Meter	500.00		
13	Aluminium End Terminal (Lug)				
13.1	95 Sqmm	No	10.00		
14	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energycross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.				
14.1	6-32 A SP	Each	6.00		
14.2	6-32 A DP	Each	3.00		
15	Supplying and fixing regular MCB distribution boards on wall/wood board/ flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting Made out of 14SWG MS enclosure.				
15.1	6 Way SP & N II - Double Door	Each	3.00		
16	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. Flat.....with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.				
16.1	50 x 50 x 6 mm	Meter	10.00		
17	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.				
17.1	Above 8.0 Meter and upto 10.0 Meter	Each	2.00		

18	Hiring and running Charges of Crane 20 tonne capacity.	Day	0.80		
19	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti-glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000hr@Lumen Maintenance of 70%, CCT> 5500K, IP66opticalandelectricalcompartment & impact resistance of complete luminaire > IK08. Power Factor >0.9with mains, Surge Protection-Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mauling with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from100Vto270V50/60Hz application. Compliance to IS10322/IEC60598, LM79 & LM80Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with.....W System Power consumption. LED Efficiency>130lm/w, nominal CRI>75.Luminaire manufacturer should have in-house facility accredited by NABL/CPRI &any Government certified agency & Design & Development facility certified by ISO9001:2008. Housing with supplier wordmark / name shall be Engraved / Embossing on the die cast housing/Body part Warranty of 2Year saga instany manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/Lumileds/Osram make LED Source.				
19.1	LED Floodlight 100W	Each	8.00		
20	Fixing halogen/metal halide /SVL/IL/LED floodlight fitting over existing pole /wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each	16.00		
21	Installation testing and commissioning of the LT panel including the foundation	Each	1.00		
				TOTAL ₹	
				GST @ 18% ₹	
				GRAND TOTAL ₹	

I	Grand Total in ₹.	
Grand Total in Words: _____		
Only		

NOTE:

1. Total Value of the entire work to be submitted in the BoQ file and the line itemwise cost breakup to be attached as a pdf attachment along with the price bid on the firm letterhead.
2. Only the Total value is to be added in the Excel format on CPPP.

Declaration: I/We do hereby accept all the terms and conditions laid down in the tender document for the above said work/supply. I/We also agree to the condition that the right to suspend the tender process or part of the process, to accept or reject any or all the tenders at any stage of the process and/or to modify the process or any part thereof at any time without assigning any reasons thereto is reserved by the Competent authority of the Institute without any obligation or liability whatsoever.

(Signature of the Bidder with seal)

LIST OF APPROVED MAKE/MODEL

- 1) All material shall confirm to relevant technical specification. The material shall be further subjected to tests in the recognized laboratories at the sole discretion of the Engineer-in- Charge and shall be at contractor's cost.
- 2) Material bearing appropriate ISI marking and having valid license for the last 3 years shall be given preference while selecting for the work.
- 3) In the case of material which are not widely available with ISI marking in the market but confirm to the technical specification mentioned in the tender documents, the same shall be procured from any of the manufacturer listed below after prior approval of the Engineer -in-charge.
- 4) EIC can approve any other brand subject to verification of the adherence to the relevant technical specification.

Electrical Make list		
Sl.No	ITEM	MAKES
1	PVC CONDUITS AND ACCESSORIES (ISI MARKED)	AKG / PRECISION / MODI/ GM/SUDHAKAR/PRINCE
2	M.S. CONDUIT AND ACCESSORIES (ISI MARKED)	BEC/AKG/ NIC/STEEL CRAFT/ RM CON/ BHARAT/ GUPTA
3	PVC INSULATED FRLS COPPER CONDUCTOR CABLES 1.1 KV GRADE (ISI MARKED)	FINOLEX/ HAVELLS/KEI/L&T/POLYCAB
4	MODULAR PLATE TYPE SWITCH / SOCKET GI BOXES / FAN REGULATOR//TELEPHONE SOCKET	SCHNEIDER (ZENCELO) / LEGRAND (ARTEOR) /HAVELLS (CRAB TREE MURANO) / L&T (ENGLAZE)
5	MCB / ISOLATOR / RCCB / RCBO / ELCB / MODULAR TYPE BELL MCB DB'S / DB's (SHALL BE OF SAME MAKE OF MCB, ELCB, RCBO, & RCCB).	LEGRAND / SCHNEIDER ELECTRIC / L&T/ SIEMENS/HAVELLS/ABB
6	LUMINAIRES / LIGHT FITTINGS	PHILIPS / WIPRO / CROMPTON GREAVES/ BAJAJ/PANASONIC
7	CEILING FAN / EXHAUST FAN	HAVELLS / CROMPTON GREAVES / USHA /BAJAJ /ORIENT/ATOMBERG
8	1.1 KV XLPE CABLE (ISI MARKED)	FINOLEX/ HAVELLS / KEI/POLYCAB/L&T
9	OCCUPANCY SENSOR	PHILIPS / WIPRO / CROMPTON GREAVES / HONEY WELL/LEGRAND/ SCHNEIDER
10	LT PANEL COMPLETELY BOLTED SYSTEM MODULAR DESIGN ELECTRICAL PANEL	KARNATAKA POWER DISTRIBUTION COMPANY APPROVED MAKE (PLEASE PROVIDE THE CERTIFICATE)

	(TOTALLY TYPE TESTED AS PER IEC 61439-1)	
11	MCCBS	LEGRAND / L&T / SCHNEIDER / SIEMENS
12	CURRENT TRANSFORMERS & POTENTIAL TRANSFORMER	AUTOMATIC ELECTRIC/ KAPPA/ L&T/ NEPTUNE
13	DIGITAL INDICATING MEASURING INSTRUMENTS /MULTIFUNCTION METERS	L&T (QUASER)/ SCHNEIDER (CONZERV) / SECURE/ELMEASURE
14	SELECTOR SWITCH	L&T/ KAYCEE/ SIEMENS
15	INDICATION LAMP & PUSH BUTTON	BCH/ L&T/SIEMENS/ SCHNEIDER
16	DIGITAL ENERGY METER	L & T / CONZERV/ SECURE / ELMEASURE /SCHNEIDER
17	APFC RELAYS	L&T / SIEMENS / SCHNEIDER / NEPTUNE (DUCATI)/ CPRI APPROVED MAKES
18	BUS TRUNKING, RISING MAIN & TAP-OFF BOX	LEGRAND/ L&T/ SCHNEIDER/ C & S / ABB
19	CABLE TRAYS & ACCESSORIES	LEGRAND / SLOTTCO / PROFAB / RAMCON
20	CAPACITOR(ISI MARKED)	EPCOS/ NEPTUNE/ SIEMENS/ L&T
21	CABLE GLAND/ LUGS/ THIMBLES	COMMET/ DOWELLS/ RAYCHEM/ GRIPWELL
22	OCTAGONAL STEEL POLE	BAJAJ / CROMPTON GREEVES /VOLMONT /UTHKARSH
23	LED STREET LIGHT FITTINGS	PHILIPS / CROMPTON GREAVES / WIPRO /BAJAJ
24	WATER SUPPLY PUMP SETS	KIRLOSKAR/ TEXMO/ CRI/ KSB/ CROMPTON
25	G.I. PIPES	TATA/ JINDAL/ ZENITH
26	GM VALVES (ISI MARKED)	LEADER/ ZOLOTO/ DEEPAK
27	LOOP-IN, LOOP-OUT STREET LIGHT BOXES	HENSEL/ SUPREME/ DEVI POLYMERS SONTAY/ SPELSBERG
28	HIGH VOLUME LOW SPEED FANS	KELLEY/ BHARAT BRAYAN /MACRO AIR
29	DWC /HDPE PIPE	SUPREME/ REX/ ASHIRVAD
30	RACEWAY	LEGRAND/MK/SCHNEIDER/OBO/ AKG /JSW
31	CHEMICAL EARTHING	JEFECOSAFE/ERICO/TERECPLUS
32	ANNUNCIATION PANEL	CROMPTON/ AREVA/SIEMENS/KIRLOSKAR
33	TERMINAL BLOCK	BCH/INDUSTRIAL CONTROL/JAISON
34	MV CONTACTOR/TIMER/STARTERS	L&T/SIEMENS/SCHNEIDER/LEGRAND
35	PROTECTION RELAY	AREVA/SIEMENS/L&T/CG/ ALSTOM/ SCHNEIDER
36	kWh METER (ELECTONIC DIGITAL	L&T/SECURE/CAPITAL/CONZERV/KARNATAKA POWER DISTRIBUTION

	TYPE)/MFM/ AMMETER/VOL TMETER	COMPANY APPROVED MAKE (PLEASE PROVIDE THE CERTIFICATE)
37	PVC MODULAR / DLP TRUNCKING	LEGRAND/MK/SCHEIDER/OBO
38	UPS SYSTEM	APC/SIEMENS/VERTIV/LEGRAND
39	INDUTRIAL SOCKET	LEGRAND/SCHNEIDER/L&T/SIEMENS

(Contractors Sign and Seal)

UNDERTAKING REGARDING BLACKLISTING / NON - DEBARMENT

We hereby confirm and declare that we, M/s -----, is/are not under any active debarment from Ministry of Finance and/or Ministry of Education as on the date of bid submission.

Any change in the above status during the evaluation of the present bid shall be intimated to IIT Dharwad immediately.

Date:

(Authorized signature & seal of the bidder)

FORMAT FOR PROVIDING EXPERIENCE DETAILS

(Bidders should only submit those purchase orders along with work completion certificates which are similar in nature to the present tender and meeting the financial requirement).

Sl. No.	Year	Name of the Client	Order No. & Date	Contract value per	Remark
					Supporting documents are to be attached.

Date:

(Authorized signature & seal of the bidder)

TURNOVER CERTIFICATE FORMAT

THIS IS TO CERTIFY THAT TURNOVER OF M/s _____

HAVING PAN _____ IS AS UNDER:

FINANCIAL YEAR	AMOUNT IN WORDS	AMOUNT IN FIGURES (₹)
2020-21		
2021-22		
2022-23		
2023-24		
2024-25		

AVERAGE TURNOVER=

Date:

(Authorized signature & seal of CA)