



CENTRAL UNIVERSITY OF SOUTH BIHAR

(Notice Inviting Quotation)

INDEX FOR TENDER FORM

Tender Notice No.	:	CUSB/PSD/EE/T/03/2024-25, dated: 21/06/2024
Name of work	:	Tender Bid Document for “Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock” at Central University of South Bihar, Panchanpur, Gaya, Bihar.
Tender Cost	:	Rs. 500/- in form of Demand Draft.
Earnest Money Deposit	:	Earnest money of Rs. 1,00,000/- in shape of D.D/BG/FDR drawn in favour of Central University of South Bihar, payable at Gaya from any schedule Bank.
Bid Start Date	:	21/06/2024
Pre bid Meeting	:	25/06/2024 by 11:00 AM at CUSB, Panchanpur, Gaya
Last date and time for Receipt of Bids	:	12/07/2024 by 04:00 PM
Date and Time of opening of Technical Bids	:	12/07/2024 by 04:30 PM
Place of opening of Bids	:	CUSB, Panchanpur, Gaya

CENTRAL UNIVERSITY OF SOUTH BIHAR

Name of the work : Tender Bid Document for “**Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock**” at Central University of South Bihar, Panchanpur, Gaya (Bihar).

I undertake to abide by the terms and conditions as stipulated in the detail tender call notice and conditions of contract.

Signature of the Contractor

CENTRAL UNIVERSITY OF SOUTH BIHAR
NOTICE INVITING BIDS

The Central University of South Bihar, invites bids “**Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock**” in the campus of Central University of South Bihar, Panchanpur, Gaya from eligible contractors who have an experience of the similar work. The last date and time of submission of tender document is 12/07/2024 by 04:00 PM. The detailed tender document is available on the University *website* www.cusb.ac.in. The cost of tender form is Rs. 500/- (Rupees Five Hundred Only) and can be purchased by payment in the form of DD from Central University of South Bihar. The tender forms downloaded from the University website must be accompanied by DD of Rs 500/- (Rupees Five Hundred Only) in favour of “Central University of South Bihar” payable at “Gaya”.

Registrar

CENTRAL UNIVERSTIY OF SOUTH BIHAR

“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock” at Central University of South Bihar, Panchanpur, Gaya (Bihar).

TECHNICAL BID

Note: This is to be kept in Envelope “B” sealed and it should be written on envelop that

Tender for **“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock”** at Central University of South Bihar, Panchapur, Gaya.

CENTRAL UNIVERSITY OF SOUTH BIHAR

NOTICE INVITING BIDS/ TENDER NOTICE

The Central University of South Bihar, invites bids for “**Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, Cable Trench, External Water Supply Line and Water Pump House round the clock**” at Central University of South Bihar, Panchanpur, Gaya (Bihar) from manufactures/ authorized representatives who have experience of similar work. Details are as follows: -

1.	Description of Work	“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House etc. round the clock” at Central University of South Bihar, Panchanpur, Gaya, Bihar
2.	Estimated Cost	Rs 50,80,000/- (Rupees Fifty Lakh Eighty Thousand Only)
3.	Earnest Money to Deposited	INR 1,00,000/-
4.	Last date & time of submission of Tender document	12/07/2024 by 04:00 p.m.
5.	Time & date of opening of tender	12/07/2024 by 04:30 p.m.
6.	Contract Period	Initially for one year from the date of start of work. The contract period may be extended further 1 + 1 year mutually agreed by the both parties on the same rate, terms and conditions on the basis of satisfactory performance report of previous year.

2. The tender must be accompanied by a DD/BG/FDR for the amount Rs. 1,00,000/- in Indian Rupees only on a schedule bank drawn in favour of “Central University of South Bihar” payable at “Gaya” as Earnest Money for the above tender.

Eligibility Criteria:

- (a) **Financial:** The Firm should have Average annual financial turnover of at least Rs. 50 Lakhs (Rupees Fifty Lakhs Only) during any of the preceding last 3 consecutive financial years.

(b) **Physical:**

(i) (a) Three similar work in Central Government/ State Government/ PSU/ Central or State Universities/ CPWD/ MES/Railway/Reputed Private Firm costing not less than Rs. 20 Lakhs or

(b) two similar works costing not less than Rs. 30 Lakhs or

(c) one similar work costing not less than Rs. 40 Lakhs in the last 5 years ending on the last day of the month previous to the one in which the tenders are invited. "Similar Work" is defined as Operation and Maintenance work of Electrical Substation/Pump House/External Electrical & Water Supply works.

(ii) Vendor should have valid electrical Contractor license issued by the Competent Government Authority.

(iii) Satisfactory Work Completion report issued by the client should be submitted in technical bid.

3. Sealed Tender Documents duly signed on all pages shall be delivered to the (*Central University of South Bihar, NH-120, Gaya Panchanpur Road, Post-Fatehpur, Post-Tekari, District-Gaya, Bihar, Pin- 824236*) by Registered Post/ Speed Post to reach on or before **12/07/2024 by 04:00 PM**. The technical Bids will be opened on **12/07/2024 by 04:30 PM** at Central University of South Bihar, Gaya Campus in presence of the tenderers or their authorized representatives. The financial Bid of the agencies who qualify the technical bid evaluation process will be opened after prior information to successful bidder in technical bid. Bidders to follow notices on University's website. The date of opening of the Financial Bids of those tenders fulfilling the requirements will be announced on a separate date. If the office happens to be closed on the date of receipt of the bids or opening of bids as specified, the bids will be received and opened on the next day of opening of the office at the same time and venue.
4. Central University of South Bihar, does not binds itself to accept the lowest rate and reserves the right to accept or reject all or any part of tender without assigning any reasons and claim on account of above shall not be entertained.
5. The tenderer shall quote for the Services/material/Equipment to be supplied as per detailed specifications as given in the Tender document.
6. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of work, the firm and nature of the site, the means of access to the site, and, in general, shall themselves obtain all necessary information as to risks, contingencies and other circumstances which influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site, whether he inspects it or not, and no extra charges consequent on any misunderstanding. The tenderer shall be responsible for arranging and maintaining at its own cost all materials, tools and plants, equipment etc. and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Any damages done to the property of the Central University of South Bihar, or other persons shall be made good by the Tenderer at his own cost.

7. **ENVELOPE 'A' (Earnest Money & Tender Cost)**

The tender shall be accompanied by the cost of the tender document Rs. 500/- (Indian Rupees Five Hundred Only) in form of Demand Draft failing which the tender will not be accepted. Tender must also be accompanied by earnest money of Rs. 1,00,000/- (Rupees One Lakh only) as mentioned above in the form of DD/BG/FDR in favour of Central University of South Bihar, payable at Gaya issued by any Nationalized Bank. The Demand Draft towards Earnest Money & cost of tender document will be placed in Sealed Envelope 'A'. EMD shall be waived off on submission of MSME Certificate as per GFR norms, if registered, a copy of same be attached.

8. **ENVELOPE 'B' (Technical bid Document)**

(i) This Envelope shall contain the Prequalification documents pertaining to financial eligibility and Physical completion of Work. Copy of Work Order/ Purchase Order with completion certificate is mandatory for similar works executed in past 3 financial year. on each page.

(ii) The credential of tenderer to be included for those, who authorized by the manufacturers, suppliers of the material/equipment for execution of this work if applicable and including the list of similar work executed in India with location, cost of work and period during which those works are executed.

(iii) **Checklist for envelope 'B':**

- (a) Copy of registration of GST No.
- (b) Copy of Income Tax Permanent Account Number & Income Tax assessment order.
- (c) Copy of Memorandum and Article of Association, Certificate of Incorporation, Partnership Deed, Registration Certificate issued by the Registrar of Firms etc
- (d) Copy of Notarized power of attorney of authorization for participation in subject bid (Not required in case of Proprietorship firm)
- (e) Copy of ESI Registration Certificate.
- (f) Copy of EPF Registration Certificate
- (g) Copy of Small Scale Unit/ MSME/ NSIC Registration under relevant items (If Registered).
- (h) Audited copy of turn over by registered C.A. to comply financial eligibility criteria.
- (i) Copy of Work Order and successful completion certificate of meeting minimum physical eligibility criteria
- (j) All pages of Tender document including various sections and Annexures, except priced bid.
- (k) Un-priced copy of Bill of Quantity with "Quoted" written in Rate Column of each item.
- (l) Detail list of technical staffs, their qualification and experience in execution of operation and maintenance of works under tender reference.
- (m) Detail list of available infrastructure, machine & tools should be provided.

9. **ENVELOPE 'C' (Financial Bid Document)**

9.1 The Envelop 'C' shall contain the tender documents and information related to the schedule of quantities quoting the rates per Unit/Price etc. of the various items or works

pertaining to the financial bid on the financial bid document, issued by Central University of South Bihar, along with the tender document.

9.2 All columns shall be duly filled in with specific information on the cost involved.

9.3 The rates for the items shall be quoted in Indian Rupees.

***NOTE: -** The Tenderer should clearly mention in all the three envelopes (i.e. A, B and C) clear description of the items for which the offer is being quoted. If any discrepancy is observed the offer would be treated as non- responsive and would be rejected outright.

10. Envelope-‘A’ (Earnest Money & Tender Cost), Envelope-‘B’ (Technical Bid Document), and Envelope-‘C’ (Financial Bid Document), shall be in separate sealed envelopes, each marked as “Envelope- ‘A’, Envelope-B and ‘Envelope-C’. All the three envelopes shall be submitted in another sealed envelope super scribing there on **“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, External Street Lighting, Light Mast, 3 Nos. D.G. Sets and Water Pump House etc. round the clock” at Central University of South Bihar**”. The envelope should be addressed to Registrar, Central University of South, Gaya, Bihar. The envelope marked ‘Envelop-B’ of only those tenderers shall be opened, whose earnest money & tender cost are placed in the ‘Envelop ‘A’ and found to be in order.

11. **Clarification of tenders:**

11.1 During evaluation of tenders, the Registrar may at his discretion ask the tenderer a clarification of its tender. The request for clarification and the response shall be in writing. However, the tenderer is not permitted alter the price (s) furnished in the Price Bid (Envelop-C). Any query related to bid may be sent to email id registrar@cub.ac.in before the date of pre-bid meeting and clarification to the same shall be uploaded on University’s website.

11.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price (i.e. obtained by multiplying the unit price and quantity), the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail.

12. The amount of earnest money, in the case of successful tenderer, shall be refunded on successful completion of work. However, E.M.D of unsuccessful tenderers will be refunded after the award of the contract to the successful tenderer.
13. Central University of South Bihar, does not bind itself to accept the lowest or any other tender, and reserves to itself the authority to reject any or all of the tenders receive without the assignment of any reason and to negotiate with the tenderers. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect or there is any correction not duly dated, initiated by the tenderer are liable to be rejected. However, the final decision for accepting or rejecting any or all tenderers will be in the sole discretion of Vice Chancellor, Central University of South Bihar.

14. Tender shall remain open for acceptance for a period of 90 days from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to Central University of South Bihar. Then Central University of South Bihar, shall without any prejudice to any other right or remedy, be at liberty to forfeit full earnest money absolutely.
15. The notice Inviting tender shall form a part of the contract document. The successful tenderer shall sign the necessary contract documents consisting of the notice-inviting tender, all the documents including additional conditions, specifications and drawings, scope of work, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto, within the time specified in the letter communicating the acceptance of the tender. In case of delay the earnest money may be forfeited and the tender cancelled or the contract enforced as per the terms of the tender and the invitation to tender and the tenderer shall thus be bound by the conditions of contract-even though the formal agreement has not been executed and signed within the specified time by the tenderer.
16. If the Headquarter of the successful tenderer is at a place other than Gaya, Bihar he/ they shall appoint a duly Authorized Representative in Gaya from the date of commencement of the work until the contract is physically completed. Such Representative shall be authorized to act on behalf of the successful tenderer. Any noticed under the contract shall be deemed to have been served on the successful tenderer.
17. The tenderer should meet the Financial & Physical work completion of eligibility criteria to qualify in the subject tender.
18. Bidders are required to quote all items in the Schedule of quantity. In event of non-compliance of above shall lead to disqualification in subject tender.
19. The tenderer is required to obtain all required statutory permissions for work by their own and shall be bound to do necessary liaison with Government Authorities as and when required
20. Drinking Water & Electricity shall be available at site at free of cost for execution of contract / work. Contractor should arrange sitting arrangement of the workmen in Substation Building by their own and also required Bicycles/ communication mode for routine discharge of duties.
21. All Civil, Mechanical, Plumbing work essential for successful completion of work etc are in the scope of the bidders and no additional payment shall be made towards any breakage, chipping, restoration, lift, lead, carriage, storage, loading, unloading, packaging etc.

Signature of the Tenderer

Date:

CENTRAL UNIVERSITY OF SOUTH BIHAR

Tender Bid Document “Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast and Water Pump House round the clock” at Central University of South Bihar, Panchanpur, Gaya (Bihar)

General Rules and Conditions:

1. The tender submitted by the tenderer must be signed by the Company's/Firms/Institute's Executive or on his behalf by Authorized Signatory being a person holding the power of Attorney authorizing him to do so. **Such Power of Attorney shall be submitted with the tender.**
2. Rates quoted by the tenderer in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words.
3. The Financial quotations shall be inclusive of the taxes as applicable under State Sales Tax or any other tax in respect of this contract and shall be payable by the Tenderer only and Central University of South Bihar will not entertain any claim whatsoever in respect of the same.
4. Provision and Rules mentioned in University Purchase Rules and Procedures (PRP) available on University's website shall be a part to the bidding document and unless and otherwise specified exclusively other terms shall be govern by the same.
5. Date of start of work shall be reckoned within 15 days from the issuance of LOA (Letter of Award). Tenderer shall ensure modification of manpower, resources essential and kept under scope of above tender within above period. Failing in start of work within above stipulated period shall attract penalty of Rs. 1000/- (One Thousand Only) per day subject to maximum of security deposit. Decision of University shall be final and abiding in this regard.
6. All the labour laws and safety rules should be strictly complied by Tenderer. In case of any lapses or non-fulfillment of labour laws and safety rules found by the authority, the tenderer will be wholly responsible.
7. All type of Insurances related to the employees of the Contractors will be borne by the contractor. No compensation will be borne by the University due to any accident happens during work.
8. For any penalty levied in non fulfilment of compliance of labour law in reference to the staffs/ workmen deployed or execution of Work or payment of compensation whatsoever, the tenderer will be solely responsible and the University will not be responsible for compensate in any manner.
9. Tenderer shall submit the proforma as per annexure-IV for technical staff details failing which tender shall be rejected during technical evaluation.

BASIC INFORMATION ABOUT THE TENDERER

1.	Name and full Address of Tenderer	
	Telephone No.	
	E-mail	
2.	Last 3 years Income Tax Assessment Certificate	
3.	Brand Name of the Product being offered	NA
4.	The firm will submit its consent to adhere the Time Schedule for execution of the Work as mentioned in the tender document.	
5.	Legal Status; Whether a proprietary or a partnership firm of incorporated body etc. With proof of registration/ certification by Government of parent country.	
6.	Authenticated copy of the following documents.	
(a)	Certificate of incorporation. In case of an incorporated body.	
(b)	Memorandum of Association	
(c)	Solvency Certificate from the Banker, if applicable	
7.	(a) Name (a) and address (es) with contact number of clients along with the place and year the said work has been executed.	
	(b) Documentary proof of satisfactory AMC contracts during the past three and the present condition.	
8.	Any other documents/information, which parties, may consider appropriate to the activity of tender	
09.	Details of disputes/claims, if any, between the tenderer and any Authority/ Body and its present status.	

Note:

1. Separate information sheet may be provided for item (s) in case space provided is not adequate.
2. Affidavit in the enclosed format on Non-Judicial stamp paper duly attested by Magistrate/Notary shall also be furnished by the bidder.

AFFIDAVIT

(On Non-Judicial stamp paper)

Tender Notice No.: CUSB/PSD/EE/T/03/2024-25, dated: 21/06/2024

Name of Work: “Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House round the clock” at Central University of South Bihar, Panchanpur, Gaya, Bihar.

1. I, the undersigned, do hereby certify that all the statements made in the required Attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/S -----
_____ have abandoned any work nor any contract awarded to us for such works have been rescinded, during last three years prior to the date of this bid.
3. The undersigned hereby authorize and request any bank, person, firm or Corporation to furnish pertinent information deemed necessary and requested by the Central University of South Bihar, to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understand and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Central University of South Bihar.
5. The undersigned understand the terms of tender and hereby undertake to deploy only competent personals who have valid license to work under scope and also undertake to comply with all Labour laws related to wages, PF, ESI & compensation etc. Full responsibility towards above compliance lies with us.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

Date

CENTRAL UNIVERSITY OF SOUTH BIHAR

INTERPRETATIONS & DEFINITIONS

1.	The "Contract" means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of Central University Of South Bihar and the vendor (hereinafter call the Tenderer or CUSB or Owner), together with the documents referred to therein including those conditions, the specifications, designs, drawings and instructions issued from time to time by Central University of South Bihar and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.	
2.	In the contract, the following expression shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them.	
	i.	The expression " Works ", or " Work " shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken -to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
	ii.	The " Site " shall mean the land other place on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allowed to use for the purpose of carrying out the contract.
	iii.	The " Tenderer " shall mean the successful tenderer /Contractor/ vendor/ agency undertaking the works and shall include the legally authorized representatives or such individual or the persons comprising the supplier agency, or the successors of the supplier and the permitted assignees of the supplier agency or the successors of the agency having possession of the property or holding in the event of the firm is liquidated before completion of work.
	iv.	" Tendered Value " means the value of the entire work as stipulated in the letter of award.
	v.	" Equipment " means all machinery, apparatus and articles to be provided under the contract by the Tenderer.
	vi.	The " place of work " shall mean the Central University of South Bihar at Panchanpur, Gaya (Bihar)
3.	Where the context so requires, words imparting the singular only also include the plural and vice versa. Any masculine gender shall whenever required include feminine gender and vice versa.	
4.	Headings and marginal notes to the conditions of the contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.	

CLAUSES OF CONTRACT

Clause: 1 Works to be carried out:

The work to be carried out under the contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works.

Clause: 2 Time for Performances:

- 2.1 Contractual completion time is considered as 1 year from the date of start. However, based on performance of the vendor, the subject contract may be extended for another two year (1 year + 1 year). No charge in service charge shall be made in extending contract after original contractual period.
- 2.2 Notwithstanding anything herein contained, the parties hereto acknowledge and agree that the time is the essence of the contract in all respects for their respective performance and discharge of obligations under this contract and the parties shall adhere to the time/delivery schedule as provided in the contract unless otherwise mutually agreed to by the parties in writing.

Clause: 3 Registrar, CENTRAL UNIVERSITY OF SOUTH BIHAR shall:

- 3.1 Being a party of this Contract, sign the agreement within seven days of issue of Acceptance Letter.
- 3.2 Hand-over the site to the Tenderer within two days of signing of the agreement and or issuance of LOA.
- 3.3 Allow the commencement of work by the tender immediately after issuance of LOA.
- 3.4 Date of start of work shall be considered within 15 days after issuance of LOA. The above period shall be considered as mobilization period by vendor.

Clause: 4 Performance Guarantee:

- 4.1 The contractor shall submit an irrevocable PERFORMANCE BANK GUARANTEE of 5% (Five Percent) of the tendered amount calculated in term, in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract

agreement, (not withstanding and without prejudice to any other provision in the contract) within 15 days of issue of letter of intent. This period can be further extended by the Vice Chancellor upto a maximum period of 7 days on written request of the contractor stating the reason for delays in procuring the Bank Guarantee, to the satisfaction. **This Performance Bank Guarantee will remain valid & deposited with Central University of South Bihar till the contract period plus sixty days of the contract period is over.** This guarantee shall be in the form of Government Security or DD/Fixed Deposit Receipts/Guarantee Bonds issued by National Bank, in accordance with and as per prescribed format. In case a fixed deposit receipt of any Bank is furnished by the contractor to the as part of the Performance Bank Guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Central University of South Bihar, to make good the deficit.

- 4.2** A letter of intent shall be issued in the first instance informing the successful tenderer of the decision of the competent authority to accept his tender and the award letter shall be issued only after the Performance Bank Guarantee in the prescribed form is received. In case of failure by the contractor to furnish the Performance Bank Guarantee within the specified period, the Central University of South Bihar, shall without prejudice to any right or remedy available in law, be at liberty to forfeit the earnest money absolutely.
- 4.3** The Performance Bank Guarantee should be as per s.no 4.1. In case the time for contract period gets enlarged, the contractor shall get the validity of Performance Bank Guarantee extended to cover such enlarged time for contract period. After recording of the work completion certificate for by the competent authority, the Performance Bank Guarantee shall be returned to the contractor without any interest.
- 4.4** The Central University of South Bihar shall not make a claim under the Performance Bank Guarantee except for amounts to which the Central University of South Bihar is entitled under the contract (not withstanding and without prejudice to any other provisions in the contract agreement) in the event of:-
- (a) Failure by the contractor to extend the validity of the Performance Bank Guarantee as described herein above, in which event the Central University of South Bihar, may claim the full amount of the Performance Bank Guarantee.
 - (b) Failure by the contractor to pay the Central University of South Bihar, any amount

due, either as agreed by the contractor or determined under any of the Clauses/Condition of the agreement, within 30 days of the service of notice to this effect by the Central University of South Bihar.

- 4.5** In the event of the contract being determined or rescinded for non-performing as per GCC CPWD-2023, the Performance Bank Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Central University of South Bihar, Gaya.

Clause: 5 All Maintenance work to be executed in accordance with specifications as quoted in the tender

- 5.1** All work shall be under the directions of Officer In-charge, Central University of South Bihar who shall oversee /supervise and approve the work at various stages.
- 5.2** The Tenderer when requiring engaging any local contractor for construction/repair work must engage a reputed registered contractor having experience of carrying out of work of similar nature and quantity in the past.

Clause: 6 Discrepancies and Adjustment of Errors : The several documents forming the contract are to be taken as mutually explanatory to one another.

- 6.1** In the case of discrepancy on any specification, the following order of preference shall be observed: -

- i. Description of Schedule of Quantities/ Bill of Quantity.
- ii. Technical Specifications.
- iii. Scope of work & Special Condition, if any.
- iv. Manufacturer's Specification and operating manual of equipment.
- vii. Drawings
- viii. Sound Engineering practices in the industry.
- ix. Central Electricity act's provisions.
- x. Any prevailing State Government Guideline.

- 6.2** If there are varying or conflicting provisions made in any one document forming part of the contract, the Vice Chancellor, Central University of South Bihar, shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the Tenderer.
- 6.3** Any deviation unavoidable during CAMC work shall attract suitable price adjustment and consent of the tenderer/ vendor shall not be essential.

Clause: 7 Materials, Equipment, Tools & Plant:

7.1 List of mandatory machinery, tools and plants & testing Equipment to be deployed by the contractor at the site

1.	Steel/ Aluminium Ladder 1.5m to 8m.	2 No.
2.	Chase cutting machine.	1 No.
3.	Torque wrench for nut/ bolt/ screws.	1 No.
4.	Pipe vice.	1 No.
5.	L.T. Meggar 500/ 1010 volts	1 No.
6.	H.T. Meggar 2.5 KV volts	1 No.
7.	Tong Tester.	1 No.
8.	Multimeter.	1 No.
9.	Hydraulic operated & hand operated Crimping machine.	1 No.
10.	Earth tester.	1 No.
11.	Hammer drilling machine	1 No.
12.	Dust blower.	1 No.
13.	Hot Air Blower	1 No.
14.	All types of DE Spanner	1 No.
15.	Pipe wrench	2 Nos.
16.	Chain wrench	2 Nos.
17.	Salai wrench	2 Nos.
18.	Thread cutting die GI pipe (dia 80 mm,65 mm.50 mm.25 mm)	1 No. (each)
19.	Electric welding machine (Single Phase)	1 No.
20.	Safety shoes	For all employees.

Note: This list is tentative but not exhaustive. If any other tools are required to maintain the infrastructure shall be in scope of contractor, nothing extra will be paid for the same.

Clause: 8 Price:

Rates: The rates tendered by the Tenderer shall be for completed items of covering all materials, labour, carriage, maintenance, consumables, royalties, fees, rents, CIF at site by Sea/Air freight, octroi, levies, insurance charges license fees, taxes GST, renewal fees and demurrage, wastage, tools, plant, equipment, transport, temporary construction, overhead charges and profits as well as general liabilities, obligations and risks etc. arising out of the conditions of the contract etc completes. Tenderers are

requested to quote their price as mentioned in Schedule of Quantity (SOQ). Partial quote shall be summarily rejected and no claim shall be entertained even if tenderer stands L1 in part items of Schedule of Quantity (SOQ).

The prices will also include cost of incidental expenses, liaison fee and other out of pocket expenses essential for routine and periodic inspection by Governmental officials as per mandatory guidelines and frequency defined. However, any payment towards fees paid to any Governmental offices on account of inspection, testing shall be reimbursed by University to vendor on production of proof of payment made to the Government bodies. No extra charges, whatsoever, consequent on any misunderstanding or otherwise shall be allowed.

Clause: 9 Payment Terms:

- 9.1 100 % payment against submission of Bill on every month and Certification of satisfactory performance followed by statutory deduction like TDS etc.
- 9.2 In case, it comes to notice at any stage that CAMC work being done is defective or the workmanship is defective or any defects develop during the Currency of contract, the Central University of South Bihar shall be entitled to withhold the Security Deposit without prejudice to other contractual resource.
- 9.3 The Bidder shall also submit the following monthly records to the Central University of South Bihar along with bills:
 - a. Following month's duty roaster.
 - b. Actual duty roaster for the preceding month with approval of CUSB representative.
 - c. Spares and consumables available with the contractor and spares and consumables required for next month operation/maintenance, in advance if any.
 - d. Materials consumed in the preceding month, if any.
 - e. No. of faults occurred during the previous month & its action taken report along with Safety observations, if any.
 - f. Any other documents/ records as desired by the University.
 - g. Wage sheet of preceding month along with PF and ESI Challans for the workmen deployed in the Work.

Clause - 10 Breach of Contract

- 10.1 The Central University of South Bihar while executing a contract with the Supplier/ work agency/ vendor shall have the full right to see that the terms & conditions, specifications, quality, workmanship of the works assigned to the Supplier Agency or the party to the contract is fully complied and are satisfactory/ acceptable before payments are released.

10.2 If at any stage it is seen that the quality of material being used or service being provided is below the standard accepted/ specified in the agreement or any deviation from the approved specification of the product or the laid down norms are not being followed/ there is contravention to the terms and conditions of agreement, the same will be considered as breach of contract and in such case, the Central University of South Bihar will have full right to stop further payment even if due, until and unless the discrepancies/ objections are set right or replaced/ clarified by the Supplier/ Service Agency to the entire satisfaction of the Central University of South Bihar. Failing to comply with the above, the Central University of South Bihar would initiate legal action as deemed fit within the jurisdiction of Patna Courts.

Clause 11: Force Majeure

- 11.1** The term "Force Majeure" shall mean acts of God or any act not within the control of parties, such as lightening and unprecedented floods, earthquake, hurricane and wars, revolts, riots, fire, sabotage. Upon the occurrence of such cause and upon its termination, the party, alleging that it has been rendered unable, as aforesaid, shall notify the other party in writing immediately but not later than seven days of the alleged beginning as well as ending thereof, giving full particulars and satisfactory evidence in support of its claim.
- 11.2** In the event of either party being rendered unable by force majeure to perform any duty or discharge any responsibility arising out of the contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure event lasts. The cost and loss sustained by either party shall be borne by respective parties.
- 11.3** The time for performance of the relative obligation suspended by the force majeure shall stand extended by the period for which such cause lasts.
- 11.4** Should the delay caused by force majeure exceed two months, the parties to the contract shall hold discussions to resolve the situation mutually.

Clause 12: Penalty

- 12.1** The Central University of South Bihar and the Tenderer recognize that "time is the essence of contract" and the Central University of South Bihar will suffer financial loss and other damages including loss of face and reputation of the country, if the maintenance work is not completed within the reasonable time. Central University of South Bihar and the Tenderer agree that penalty will be imposed on the basis of fault.
- 12.2** On every event of water overflow from tanks, University shall penalize the Contractor of

amount Rs 500/- and maximum up to Rs 5,000/- on repeated events.

- 12.3 Repairing of water leakage/ dislodgment of pipe, shall be diagnosed and rectified withing 6 hours, otherwise University shall impose penalty of Rs 2,000/- on each event.
- 12.4 Restoration of electrical fault within 8 hours for severe fault, and 4 hours for routine faults, otherwise University will impose penalty of Rs 3,000/- on each event.

Note: These points are indicative, and penalty will be imposed on the basis of severity of complaint.

Clause 13: Dispute Redressal System:-

- 13.1 In case of any dispute the matter will be referred to Vice Chancellor and his decision will be final.
- 13.2 Either party, not satisfied with the decision of the Vice Chancellor, may opt for Arbitration under Arbitration & Reconciliation Act 1996. Appointment of sole Arbitrator will be done by Vice Chancellor on the request of the aggrieved party with in sixty days from the date of request. Arbitrator will be of the rank of serving/retired Chief Engineer/Superintending Engineer.
- 13.3 The supplier will deposit charge @ 7.5 % of the claim with the University & the same will be released only after the settlement of dispute.
- 13.4 Expenses on account of arbitration will be shared equality by both parties which there exists any condition in writing.

Clause 14: Jurisdiction and applicable law

Indian Laws will govern this contract and any application in respect of any proceedings under this contract will be to the jurisdiction of the courts of Gaya, Bihar only and also for any application to entertain any suit in connection with this contract. Provided that nothing herein contained shall operate to the prejudice of any rights/recourses of the Central University of South Bihar regarding blacklisting.

Clause 15:

The Tenderer shall be sole and Principal Employer of all labour employed on the work and shall comply with all the Indian Labour Laws as well as other laws, bylaws, orders and instructions issued by any competent authority in this behalf. The Tenderer shall be liable for all payments under any law including labour laws as also any compensation required to be paid on account of any injury, accident or mishap. Vendor

shall ensure insurance of their workmen deployed in work as per prevailing guidelines of Government cost towards which is deemed to be included in quoted rates.

Clause 16:

Any accident caused because of any activities performed by bidder at any point of time shall be the total responsibility of the bidder and University shall not be responsible for any claim etc.

Clause 17:

All copies of licenses of workmen and vendor duly notarized in original copy should be summated by the bidder to the Registrar/ Officer In-charge, CUSB after issuance of LOA and photo copy along with technical bid of tender.

Agreement

This agreement made on this Between the Registrar,
Central University of South Bihar, (hereinafter referred to as the Registrar, which
expression shall unless otherwise excluded by or repugnant to the context be deemed to
include its successors, representatives and permitted assignees) of the one part and the
.....
.....
....., the Tenderer (which expression shall unless
otherwise excluded by or repugnant to the context be deemed to include its successors,
representative and permitted assignees) of the other part.

Whereas, pursuant to the offer of the Tenderer, the Tenderer has agreed to
undertake the following works:

Tender for **“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV
Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag
Mast, External Water Supply Line and Water Pump House round the clock”**
at Central University of South Bihar, Panchanpur, Gaya (Bihar) for a tendered value of
Rs.as per the terms and conditions of the work award Letter No
..... dated And terms & conditions annexed
hereto.

The following documents will also form part of the Agreement

Sl. No. List of Documents

1. Offer Letter No..... dated
2. Work Award Letter No. dated
3. Scope of work.
4. Schedule of quantity/ Bill of Quantity.
5. Terms & Conditions of Tender Document.
6. Updated GFR rules.

In witness whereof, the parties have hereunto set and subscribed their handed seals on
the day and the year first above written.

For and behalf of Central University of South Bihar

For and behalf of Tenderer

Registrar
Central University of South Bihar

Witness:

1.

Witness:

1.

Scope of Work

Tender No.: CUSB/PSD/EE/T/03/2024-25, dated: 21/06/2024

Name of Work: “Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, Cable Trench, External Water Supply Line and Water Pump House round the clock” at Central University of South Bihar, Panchanpur, Gaya, Bihar

The scope of work includes the annual operation & maintenance (In all days of a year including University/Govt. Holidays) of one 11/0.433 KV Load Sub-Station complete with 2 nos. 1600 kVA Power Transformer, HT/LT panel's switch gears, APFC panel (Capacitor Panel) O&M of 2 Nos. Diesel Generator Sets of 625 KVA and one no 320 KVA Diesel Generator Set, External Water Supply Line, Water Pump House, maintenance of HT Underground cable from 33/11 KV Substation to 11/0.433 KV Substation, LT Underground Cabling network along with in route various feeder pillar up-to various load centers of entire campus, Day to Day electrical installation maintenance of Electrical Distribution Panels, pump starters of various pump and motors, luminaries of Street Light (including Solar street light) / Flag Mast / Lighting Mast / Substation / Water Pump House and luminaries of Volley ball/Basketball Court at Central University of South Bihar, Panchanpur, Gaya, Bihar.

Providing temporary power supply to seminars, conference and various function, details of electrical installations listed in Annexure-II.

The scope of preventive maintenance in general is given below for merely guidance. Any other work necessary for the proper maintenance of the system as per good engineering practices will have to done by the agency in consultation with the Engineer-in-Charge CUSB, so as to keep the system in a trouble-free operational condition. Further, the work is of comprehensive nature so it is advisable to the bidders to calculate all expenditures towards material before quote the tender.

Break down & preventive shall be carried out by the agency with their own tools & plants and labors. The breakdown maintenance shall be attended at the highest priority so as to make good the faulted system without a long delay.

For breakdown maintenance, the contractor shall coordinate/liaison with original equipment manufacturer (OEM) for replacement of parts and service as necessary. Infrastructure tools & tackles and the site support shall be provided by the contractor for such jobs without unnecessary delays.

OEM services, if any required for the completion of breakdown services shall be arranged by contractor at their own cost. OEM parts will also be paid by contractor.

During the preventive (routine) maintenance, the contractor shall carry out the preventive maintenance as per maintenance manual of equipment. Some guidance details are listed hereunder for various system components.

Section A

1. 2 Nos. 1600 kVA Power Transformers- CGL make.

Hourly:

- a) Checking of oil & winding temperatures, check for abnormalities & recording them.
- b) Observe & record Current in amperes, Voltage in Volts and frequency in Hz.
- c) Visual check for overheating, if any and observation for any unusual internal noise.

Daily:

- a) Observation of oil levels in.
- b) Conservator tank, if required top up with the tested transformer oil.
- c) Examine for oil leaks if any from the transformer.
- d) Checking the color of silica gel in the breather & also oil level of the oil seal. If silica gel color changes from blue to pink by 50%, the silica gel is to be reconditioned or replaced.
- e) Visual check of PRV.

Monthly:

- a) Physical examination of PRV.
- b) Cleaning of bushings, inspect for any cracks or chippings of tightness of primary and secondary side terminations.
- c) Measurement of IR values of transformer with suitable megger. Recording of the values specifying the temperature and tap position at which measurement are taken.
- d) Checking of alarms setting of oil & winding temperature.
- e) Cleaning of dust deposition from windings.

Half Yearly/Yearly

- a) Testing of BDV and moisture content of transformer oil.
- b) Testing of Bucholz relays operation.
- c) Checking of all connections on the transformer for tightness such as bushings, tank earth connection.
- d) Calibration & testing of oil & winding temperature indicators.
- e) Measurement of magnetizing current at normal tap and extreme taps.
- f) Measurement of winding resistance.
- g) Overhaul of tap changer and mechanism, if required.
- h) Calibration of tap position indicator.
- i) Filtration of oil or replacement of oil in the main tank when the BDV of the oil is found less than the acceptable limit.
- j) Changing the gaskets at all locations as and when leakage is found or the gasket is damaged or else yearly.
- k) Replacing of Buchholz relay, OTI, WTI if found malfunctioning.

2. Circuit Breakers- 01 No. 11 kV VCB of CGL make.

Monthly:

- a) Air cleaning with blower.
- b) Auxiliary contacts cleaning and tightness checking.
- c) Tightening of nuts and bolts.
- d) Checking breaker Operation (Local/Remote operation).
- e) Checking and sealing of cable entry holes quarterly:
- f) Oiling and greasing of all moving parts.
- g) Functional check of trip circuit.

Half-Yearly:

- a) Checking ON/OFF Timings of Circuit breaker poles.
- b) Complete servicing, lubricating and greasing of all moving parts. Replacement of any defective part.
- c) Measurement of contact resistance and contact gap.
- d) Operation of control and Auxiliary circuits.
- e) Recharge time of operating mechanism after specified sequence.
- f) Checks on specific operations.
- g) Inspection and operation of control circuit

Yearly:

- a) Checking contact resistance of Breaker main contacts.
- b) Checking of circuit breaker position level by using spirit level indicator.
- c) Mechanism checking and lubrication to all moving parts.
- d) IR values of Power and Control Circuits.
- e) Verification of correct rated operating sequence.
- f) Checking Interlocking mechanism.

3. Sub-station

- a) Checking the yard at periodic intervals and attend to any unusual observations, defects, sparks, loose contacts, red hot spots and loose bolts and nuts etc .
- b) Checking the earth resistance of earthing (monthly).
- c) Checking of operation and interlock of all equipment (monthly).
- d) The premises should be kept neat and clean in all respect like cleaning of Herbs & Serbs around the substation & water pump house up to 5 mtr.

4. Control & Relay Panels

Daily:

- a) Check for any tripping, chattering in the electrical parts, abnormal noise, overheating in the panels.
- b) Check whether indication lamps, annunciator lights, bell, buzzers and hooter are working.

- c) Check panel for proper closing.
- d) Cleaning of relay cases of dirt etc.
- e) Cleaning the panels, relay covers, blowing dust from inner side of panels.
- f) Voltage of DC supply.
- g) Physical checks of all wiring & connections.

Monthly:

- a) Check for the proper working of all ammeters, voltmeters, relays, aux contactors malfunction etc.
- b) Clean the panels from inside with the help of the blower/ vacuum cleaners.
- c) Check all the cables for overheating, tightness of the glands, lugs & crimping.
- d) Check the fuse-link & fuse holders.
- e) Check the control wiring of the panel along with the controls for the proper functioning and tripping at the preset parameters.

Quarterly:

Check operation of relays.

Yearly:

Testing and calibration of relays.

5. LT Panel:

Daily:

- a) Visual inspection of entire panel in regards to switch gear position, heating, overload, abnormal sound, cleanliness.
- b) Check whether all relays are functioning properly

Monthly:

- a) Visual inspection of panels.
- b) Checking and sealing of cable entry holes.
- c) Checking of all switchgears termination.
- d) Checking/replacement of fuses if required.
- e) Checking of Bus bar connection, Tightening of nut bolts, cleaning of bus bar if, required.
- f) Cleaning of the inside and outside panels using blowers and Vacuum cleaner.
- g) Checking of relay operation and setting, interlocks etc.

Yearly:

- a) Cleaning of circuit breakers, servicing and overhauling as per operation & maintenance manual of manufacturer.
- b) Checking of alignment in racking mechanism of breakers for free and smooth movement of circuit breakers

- c) Checking of contact wearing of circuit breakers
- d) Checking of mechanical/ electrical interlocks, interlocks within the Panel
- e) Measurement of insulation resistance value of circuit breakers
- f) Measurement of contact resistance of circuit breaker poles
- g) Measurement of circuit breaker closing and tripping time
- h) Functional operations check of circuit breaker
- i) Measurement and recording of IR values for Main Bus bar.
- j) Checking of CT, PT and Relays connections for tightness.
- k) Testing of all panel Relays & Meters, CT & PT.

6. EARTHING SYSTEM

Quarterly:

- a) Checking of all earthing connections, joints and cleaning and tightening thereof.
- b) Checking and recording of earth resistance of all points, pits and taking corrective action to improve it, if required.
- c) Identification marking and updating the details of the indication board.
- d) Watering and proper closing of earth pit chamber.

7. DG Gen Sets- 02 Nos. 625 kVA & 01 No. 320 kVA (Cummins-Sudhir Power)

Daily:

- a) Taking and record the Specific gravity, water level and voltage of batteries.
- b) Cleaning of battery terminal, if required
- c) Test Run of DG sets at least for 10 minutes in day in winter/rainy season
- d) Checking of oil level in tank
- e) Physical inspection of DG set & AMF panel
- f) Check Lube oil level in the DG set.
- g) Record Running hours of the DG set and get verified with CUSB Officials

Monthly:

Cleaning of strainers in the fuel line.

- a) Recommended servicing as per manufactures' instructions A"/B"/ C".
- b) Watering of earth pits.

Half Yearly/Yearly:

- a) Safety checks of the DG sets.
- b) Operation of all the relays.
- c) Checking of safety interlocks.
- d) Checking of insulation resistance.
- e) Checking of earth resistance.
- f) Cleaning of cooling tower.

- g) Tighten the blades of cooling tower.
- h) Change the battery, if required.
- i) Servicing of 2 Nos of 625 KVA DG Gen Set & One no of 320 KVA DG gen set. It includes Filter change, lubricating oil, resister corrosion, element Air Cleaner, inhibitor, coolant refill, etc as per the OEM A,B,C checks (Make-Cummins)

8. Water Pump House

Sl. No.	Item	Make	Specification/ Type	Unit	Quantity	Work Description	Frequency
1.	10 HP, 7.5 HP, 6 HP, 5 HP and 5 HP Submersible pump set for borewell	Kriloskar, Crompton	Submersible type	Nos	5 Nos	Carry out preventive maintenance as per the check – list, Equipment manuals	Half Yearly or Yearly as required.
2.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required
3.	Hydro pneumatic Pump for Domestic water	Grundfos	With VFD system/Microprocessor Based System with three pump (2W+1S), Per pump flow 300 LPM, Head 90 Mtr.	Nos	3	Carry out preventive maintenance as per the check – list, OEM	Half Yearly or Yearly as required
4.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required
5.	Hydropneumatic Pump for Flushing water	Grundfos	With VFD system/Microprocessor Based System with three pump(2W), Per pump flow 250 LPM, Head 80 Mtr.	Nos	2	Carry out preventive maintenance as per the check – list, Equipment manuals	Half Yearly or Yearly as required

6.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required
7.	Make up pump of Capacity Of 250LPM, Head 30 Mtr	Grundfos	Three Pumps (2W+1S)	Nos	3	Carry out preventive maintenance as per the check – list, Equipment manuals	Half Yearly or Yearly as required
8.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required
9.	Drainage Sump Pump	KSB	Capacity of 250LPM, Head 30 Mtr.(1W+1 S)	Nos	4	Carry out preventive maintenance as per the check – list, Equipment manuals	Half Yearly or Yearly as required
10.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required
11.	Irrigation Pump,	Grundfos	Capacity of 300 LPM, Head 50 Mtr.(1W+1 S)	Nos	2	Carry out preventive maintenance as per the check – list, Equipment manuals	Half Yearly or Yearly as required
12.	-DO-	-DO-	-DO-	-DO-	-DO-	Periodical checking and cleaning of all pumps, motors and control panels	Half Yearly or Yearly as required

Note: All consumables and spares parts shall be in the scope of vendor only.

10. Street Light

- a) Check all street lights regularly.
- b) In event of fuse, change the lights immediately. (Cost bear by the Vendor Only)

c) In solar panels, check the healthiness of battery on daily basis, if required in case of any defective materials, contractor will replaced it and cost will be included in quoted price except solar batteries.

11. Overhead Tank:

Sl. No.	Name of the building	Drinking Water Tanks		Flushing Water Tanks	
		Numbers	Capacity	Numbers	Capacity
1.	School of Social Science Building	1	25 KL	1	18 KL
2.	School of Earth Biology Building	1	25 KL	1	18 KL
3.	Girls Hostel	3	17 KL	3	6 KL
4.	Mess Block (Girls Hostel)	1	15 KL	1	10 KL
5.	School Of Education	1	25 KL	1	10 KL
6.	Lecture Hall Complex	1	20 KL	1	18 KL
7.	Administrative Building	1	10 KL	1	15 KL
8.	Guest House	1	10 KL	1	15 KL
9.	VC Residence	1	5 KL	1	5 KL
10.	Sub Station Building	1	1 KL	1	1 KL
11.	Main Gate	1	1 KL	1	1 KL
12.	Sports Ground	1	1 KL	1	1KL
13.	Stupa	1	3 KL	1	3 KL
14.	Food court	1	5 KL	1	5 KL
15.	Animal house	1	2 KL	1	2 KL
16.	Boys Hostel	2	30 KL	2	30 KL

- a) Cleaning of tanks whenever required as direction.
- b) Valve Operation during filling of water tanks.
- c) Quarterly cleaning of water tanks with chlorine/bleaching powder.

Annexure-I

Requirement of Man power for daily operation and maintenance of whole infrastructure.

Sr. no	Area of work	Required minimum manpower per shift	Required Nos. of Shifts	Eligibility
1.	Shift In-charge	One experienced Diploma Electrical Engineer 5 years' experience in protection relay setting, testing of major equipments and performing preventive as well as breakdown maintenance of HT/LT breakers, Transformers, DG Gen Sets, STP, HT/LT switchgear, HT/LT underground cable with HT supervisor license should be in job all the time.	General Shift	Having minimum 15 Experience of Operation and maintenance of 11/0.433 KV substation with DG-Gen sets.
2.	Switch Board Operator (For Substation and DG Gen Sets,)	01 no. -Skilled in each shift to attend no power complaint anywhere in the campus during night period.	3 shifts	Skilled- ITI with 5 years / wireman license holder with 5 years electrical work experience in operation & maintenance of HT & LT switchgears, MV/ LV transformer, DG set, HVAC, Pump starters, motors, HT & LT cable jointing.
3.	Main Line Maintenance including U.G. Cable , street light etc.	.No- Semi Skilled in General Shift to attend to complaint and repair the same.	01 shift	Skilled- ITI with 4 years / wireman license holder with 4 years electrical work experience in operation & maintenance of HT & LT switchgears, MV/ LV transformer, DG set, HVAC, Pump starters, motors, HT & LT cable jointing.
4.	Pump Operation in shifts	1 no. - Skilled and attend all complaints for day-to-day repair and maintenance in pump house round the Clock. Trouble shooting of Pumps, Blowers, rewinding of motor etc.	3 shifts	Skilled- ITI with 3 years / experience in operation & maintenance of Pump House, starters, motors and allied services.

5.	Plumbing	1 no. - Skilled Plumber in shifts to attend all complaints for day-to-day repair and maintenance.	3 shifts	Skilled- Fresh / ITI with 3 years having Municipal license with 4 years' work experience in operation & maintenance of HT & LT switchgears.
6.	General	1 no. Helper (Unskilled) for assist for day-to-day maintenance.	2 shifts	Having experience to assist in Electrical Works and Plumbing works.
Note: (Reliever should be arranged by the agency in quoted rates)				

Annexure-II

List of equipment and allied accessories installed in the Campus.

Sl.No.	Description of Items	Unit	Qty
1.	11 kV , 630A, 25 KA Vacuum Circuit Breaker 3 PANEL BOARD :	Each	1
2.	TRANSFORMERS : 11/0.433 kV 1600 kVA Dyn 11	Each	2
3.	Diesel generator set with AMF Panel a) 625 KVA b) 320 KVA	Each Each	2 1
4.	433 V Mains , Emergency, LT PANELs (Sub-Station)	Each	1
5.	HT(300 Sqr mm)	Km.	5
6.	LT cables (120 sq mm up-to 400 sq mm)	Km	40
7.	External Water Supply line (DI, GI & HDPE pipe) including drinking, flushing & horticulture of different sizes 150 mm, 100 mm etc. up to riser line (up to overhead tank) of all buildings.	Km	15
8.	STREET LIGHTING (9 Meter with double arm and 7 Meter with single arm over hang)		
	a) 120 watt LED Street Light-	Each	120
	b) 90 Watt LED Street Lights-	Each	10
	c) 90 Watt LED Street Lights with 24 Volt Battery(100 Ah) with Solar Panel with PCB card.	Each	39
	d) Bollard light on 3 mtr and 1.5 mtr pole of 15 watt LED/5 Watt LED outdoor light (Make-Crompton)	Each	65
	e) Lighting Mast including 12 nos of 240 watt luminaries including motor for lifting of lights (Height of 16 mtr)	Each	03
	f) Flag Mast 02 Nos 350-watt lights including motor for lifting purpose (Height of 30 Mtr) with aviation light	Each	01

9.	Earthing Pit	Each	50
10.	Outdoor L.T. Feeder Pillar (Essential and Non-essential)	Each	14
11.	AMF panel	Each	1
12.	Emergency & normal LT panel in Panel Rooms of ALL buildings	Each	20
13.	LED Flood Lights 150 Watt	Each	20
14.	Light/ fan points of campus (Pump House+ Substation)	Each	120
15.	Light fittings 28 Watt LED-T5	Each	90
16.	PDB, LDB, EDB and all DBS	Each	15
17.	MCCB of rating 800 A, 400 A, 250 A, 100 A,	Each	31
18.	Capacitor Bank of 400 KVA	Each	02
19.	<p>a) 10 HP Submersible pump 1 No,</p> <p>b) 6 HP Submersible pump 1 No.,</p> <p>c) 5 HP Submersible pump 4 Nos,</p> <p>d) 7.5 Hp Submersible pump 2 Nos,</p> <p>e) Hydro pneumatic Pump System (With VFD system/Microprocessor based system with 3 pumps (2W+1S), per pump flow 300 LPM, Head 90 Meter.) Make-Groundfos.</p> <p>f) Hydropneumatics' Pump for Flushing water(with VFD system/Microprocessor Based System with three pump(1W+1S), Per pump flow 250 LPM, Head 80 Mtr. Make-Groundfos.</p> <p>g) Make up pump of Capacity Of 250LPM, Head 30 Mtr.(Three Pumps(2W+1S)). Make-Groundfos.</p> <p>h) Drainage Sump Pump.(Capacity of 250LPM, Head 30 Mtr.7nos</p> <p>i) Irrigation Pump, Capacity of 300 LPM, Head 50 Mtr.(1W+1S). Make-Groundfos</p>	Unit	01

Annexure-III

Coverage of Equipment Wise regarding consumables/spare parts

<u>S.N.</u>	<u>Equipment's/Area Wise</u>	<u>Nature of Maintenance</u>	<u>Remarks</u>
1.	Transformer	Non Comprehensive	Minor repair up to the Rs. 25,000/- should be in scope of vendor, however major components will be provided by the University subject to the condition that vendor shall informed well in advance. Further, all tests in annually and half yearly will be in the scope of vendor.
2.	11 VCB Panel	Non Comprehensive	Minor repair up to the Rs. 25,000/- should be in scope of vendor, however major components will be provided by the University subject to the condition that vendor shall informed well in advance.
3.	DG Gen sets	Non Comprehensive	Consumables consume in Servicing (Annually) i.e., lube oils, coolants etc. will be in the scope of vendor (as per OEM A, B, C checks). In addition to the above, minor repair up to the Rs. 25,000/- should be in scope of vendor, however major components will be provided by the University subject to the condition that vendor shall informed well in advance.
4.	Pump House	Fully Comprehensive	All motors/pumps periodically servicing is in scope of contractor. All consumables and replacement like display card, pcb card etc. will be in scope of contractor. Mandatory spares will be kept well in advance for day-to-day maintenance. It is deemed that vendor will quoted consider above requirement.
5.	Street Lights	Comprehensive	In case of any lights fuse, PCB card, driver, New Light replacement is in scope of vendor. No Extra Charges shall be paid for the same.
6.	Solar Street Lights	Comprehensive	All repair work be in scope of vendor to make system healthy except batteries.

7.	LT panel	Non-Comprehensive	Minor repair up to the Rs. 25,000/- should be in scope of vendor, however major components will be provided by the University subject to the condition that vendor shall informed well in advance...
8.	Feeder Panel	Non-Comprehensive	Minor repair up to the Rs. 25,000/- should be in scope of vendor, however major components will be provided by the University subject to the condition that vendor shall informed well in advance.
9.	Water Line	Fully Comprehensive	All repair work be in scope of vendor to make system healthy.

SOQ

Schedule of Quantity (Price Bid)

Tender Notice No.: CUSB/PSD/EE/T/03/2024-25, dated: 21/06/2024

Name of Work: **“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, External Water Supply Line and Water Pump House round the clock” at Central University of South Bihar, Panchanpur, Gaya, Bihar.**

S.No	Description Of Item	Unit	Rate	Amount for 12 Months
1.	“Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, Water Supply Line and Water Pump House etc. round the clock” at Central University of South Bihar, Panchanpur, Gaya (Bihar) (Detail mentioned in Scope Of Work)	Per Month		
	Total Cost			
	Add Applicable GST@%			
	Grand Total			

Amount in words Rs. _____

- Note: 1. Quoted rate will be all inclusive of applicable taxes.
2. No use of fluid/eraser. No overwriting.

Seal & Signature of Tenderer

UNDERTAKING BY THE TENDERER(S)

(On letterhead)

NAME OF WORK:

Tender Notice No. : _____

We confirm that we have quoted the rates in the tender considering Inter-alia the

1. **Tender Document(s) including all Annexures, Technical Specification, Scope of Vendor, Purchase Rules and Procedure of University.**
2. **Additional Document(s) (if any)**
3. **BOQ Document (Price Bid Format)**
4. **Corrigendum (if any)**
5. **Pre-Bid Meeting Minutes (if any)**

We _____ (Name of the Tenderer) hereby certify that we have fully read and thoroughly understood the tender requirements and accept all terms and conditions of the tender including all corrigendum/addendum issued, if any. Our offer is in confirmation to all the terms and conditions of the tender including all corrigendum/addendum, if any and minutes of the pre-bid meeting. In the event our offer is found acceptable and contract is awarded to us, the complete tender document shall be considered for constitution of Contract Agreement.

SIGNED FOR AND ON BEHALF OF TENDERER(S)

Name of Tenderer(s)

Date : __/__/____

Place :

Seal & Signature of Tenderer

NOTE: This declaration should be signed by the Tenderer's authorized representative on COMPANY LETTERHEAD who is signing the Bid and same to be submitted with Tender.

Annexure-IV

CENTRAL UNIVERSITY OF SOUTH BIHAR,

Tender Bid Document “Annual Operation & Maintenance Contract of 1 No. 11/0.433 KV Load Sub-Station, 3 Nos. D.G. Sets, External Lighting, Light Mast, Flag Mast, Cable Trench, Water Supply Line and Water Pump House round the clock” at Central University of South Bihar, Panchanpur, Gaya (Bihar)

Proforma for workmen Details

S. N.	Name	Category of Manpower	Relevant Experience	Certification/ License No., if applicable	Educational Qualification
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10					
11					
12					
13					

Note: University Stake holder will conduct the interview for all personnel before detailed at site. Further, at any stage University found any misconduct or any complaint, immediate replacement of manpower will be done with explanation.

Signature of the contractor

With date & Rubber Stamp