



UNIVERSITY OF CALCUTTA
OFFICE OF THE UNIVERSITY ENGINEER
87/1, College Street
Darbhanga Building, Ground Floor
Kolkata-700073
Website :-www.caluniv.ac.in

NOTICE INVITING TENDER

University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No:	Eng / ET-41 /22-23. Date; 20.04.22
2.	Name of the work:	<i>Electrical repairing of building of Baruipur. Farm house including replacement of defunct street light from main gate to office of the farm manager, C.U..</i>
3.	Estimated Cost put to Tender:	Rs464354/- (Four lakhs f sixty four thousand three hundred & fifty four only) Incl.Taxes
4.	Earnest Money:	A sum of Rs 7870/- (Seven thousand eight hundred and seventy only) in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is deducted by the University from the running bills. EMD is not exempted in any case.
5.	Time of completion:	21days
6.	Eligibility Criteria and Documents to be submitted along with Application.	Valid trade License , GST & PAN and credential for satisfactory completion of similar nature of job amounting 75 % of the estimated value in a single tender in the last three financial years in Government /Government Undertaking or University of Calcutta. Original documents may be asked for verification of technical checking on the date of issuing tender paper . Failing to produce original documents, the tender will be rejected. The participant bidder must submit the following documents in sealed envelope in the tender box kept at the Office of the Engineer at the Ground Floor of the Darbhanga Building, University of Calcutta, 87/1, College Street, Kolkata – 700073 within the last date of submission of the tender. <ol style="list-style-type: none">1. NIT documents duly filled and signed by the intending bidder.2. Bank Draft for EMD in favour of the University of Calcutta.3. Self-attested copy of Valid trade License , GST & Pan and credentials for satisfactory completion of similar nature of jobs under Government, Government Undertaking and Universities etc. within last three years.4. Application through postal service or courier service is not accepted.
7.	a)Last date of submission of application for tender	On 25/04/2022 from 11AM to 4 PM (Must contain above mentioned document. The application duly signed by Engineer CU should be enclosed with tender documents
8.	Issue of tender papers	TO BE DOWNLOADED FROM WEBSITE.(www. caluniv.ac.in)
9.	Last Date and Time of tender Submission	Dully filled and signed tender/quotation to be submitted on 28/ 04/ 2022 from 11am to 2.00 PM in to the Tender Box kept in the Office of the University Engineer
10.	Date and Time of Tender Opening	At or after 28/ 04/ 2022 after 3.00 PM at the Office of the University Engineer. Intending bidders are requested to be present at the time of opening tenders/quotations.

N.I.T no :Name of work and the date of opening should be written on the sealed envelope otherwise tender will not be opened and will be rejected.

The undersigned reserves the right to reject any or all Tenders without assigning any reason what so ever.



UNIVERSITY OF CALCUTTA

Name of the work: *Electrical repairing of building of Baruipur. Farm house including replacement of defunct street light from main gate to office of the farm manager, C.U....*

N. I.T. no- Eng / ET-41 /22-23. Date; 20.04.22

Estimated cost Put to Tender:- **Rs464354/-** (Four lakhs f sixty four thousand three hundred & fifty four only)
Incl.Taxes

Name of Agency:-

Address of Agency:-

Rate quoted by Agency:- (in figure and words)

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T. no : Eng / ET-41 /22-23. Date; 20.04.22

Item Rate contract

GENERAL TERMS AND CONDITION

1. Eligible Tenders will have to download the tender papers from the website & drop the filled tender papers signed with seal and date at every page along with copy of Valid Trade license's, GST & PAN and Credential for satisfactory completion of similar nature of job amounting to at least seventy five percent of the job value in a single tender from any Government, Govt. undertaking or University of Calcutta in the last three financial year in sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NIT which will be opened by the undersigned or by his representative with in **the specified time and date mentioned in the NIT** **The tendered must write the name of the work , NIT no , the date of opening and name of the bidder on the envelop failing which the tender will not be opened thus will be treated as cancelled.**
2. The rate should be quoted after inspection of the site and inclusive of all incidental charges i.e. freight, insurances, labour insurances, handling charges, necessary government taxes, duties etc as well as the Water, Electricity charges which are to be paid as per rules .
3. The contractor shall be responsible to ensure compliance with the provision of minimum wages act 1948 as modified up to date and the rules made in respect of any employees, employed by the contractor directly or through the petty or subcontractor for the purpose of carrying this contract. The contractor shall be responsible for any damage, injury or loss caused by the work or workmen to any person, animal or material during the progress of work.
4. Liquidated damage will be charged to the contractor if they fail to complete the work within the stipulated time, 0.01 % per day to a maximum limit of 10 % of the contract value .



5. The allotted time for completion of the work as specified in the NIT from the date of receipt of work order .Time is the essence of this contract. Normally no time extension will be granted. In case of prayer for extension of time the University authority has the full right reserved to grant it or discard it.

6. (a) If the successful contractor's bid rate is 80% or less than the estimated amount put to tender the contractor will have to submit a Bank Guarantee amounting to 10% of the Tendered amount before issue of Work order failing which the EMD will be forfeited and the agency may be blacklisted. The Bank Guarantee should be valid till the end of the contract period and shall be renewed accordingly if required. This bank Guarantee is an Additional Performance Security .So provision of deducting Security deposit from bills will hold goods per relevant clause of the contract. The bank Gurrantee shall be returned immediately on successful completion of contract.

(b) The University authority will retain a sum amounting to 10% of the bill of the contract for a period of six months from the date of completion of work as **Security Deposit**. Which will be released after a period of six months from the date of completion of the work on application.

7. A sum of 2% of the estimated amount excl. taxes in the form of CTS demand draft in favour of University of Calcutta payable at Kolkata is to be attached with the Tender as earnest money failing which the tender will be treated cancelled. The earnest money will be returned to unsuccessful tenders on application after issuing of work order to the successful bidder. In case of successful tender the EMD will be returned on application after an equal amount of security deposit is ducted by the University from the running bills. EMD is not exempted in any case. The earnest money will be returned to unsuccessful tenderers on application after issue of work order to the successful bidder for successful tenderer the EMD will be returned on application after an equal amount of security deposit is deducted from the running bills.

Amount:-Rs

D.D No..... **Dated** / /20

Name of Issuing Bank:--

Branch :-

8. Work is to be carried out as per specification laid in the B.O.Q or PWD specification as per instruction of the University Engineer or his representative.



9. The materials brought to site for execution of the work should by no means be taken out of site without the permission of the Engineer C.U.

10. The rates must be quoted in words in figure otherwise the tender will be cancelled.

11. The University will not be bound to accept the lowest bidder.

12. The University will not supply any materials to the contractor.

13. The contractor will work under the strict supervision of the Engineer/ Sub-Assistant Engineer. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the Engineer or his representative (Sub-Assistant- Engineer) & the contractor or his representative. The contractor will have to submit bill in printed format in duplicate.

14. The contractor will have to take necessary instruction from the Engineer CU/ Sub-Assistant Engineer regarding the execution of work.

15. Defect & Liability Period:- The defect & liability period will be for a period of 6 months from the date of receipt of the work order. Any defects pointed out during this period has to be mend good by the agency at their own cost failing which the retention money will be forfeited.

Sd/-

University Engineer

Name of the Agency:

Address :-

Signature of the Agency with date & stamp:-

Specific Price schedule for

B.O.Q FOR ELECTRICAL REPAIRING OF BUILDING OF BARUIPUR FARM HOUSE INCLUDING REPLACEMENT OF DEFUNCT STREET LIGHT FROM MAIN GATE TO OFFICE OF THE FARM MANAGER,C.U

Sl.No.	Description of work	Unit	Rate	Quantity	Amount
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in suitable size PVC casing-capping (Precision make) with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, incl. necy. fittings etc. to light/fan/call bell point with Modular type switch (Brand approved by EIC) fixed on Modular GI / PVC switch board with top cover plate on wall incl. mending good damages to original finish. [PVC 20mm rigid conduit and Switch board both on surface]				
	Average run 5 mtr	Point	659	16	10544
	Average run 6 mtr	Point	733	8	5864
2	Supply & Fixing 240 V, 3 nos. 6A, & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch with indicator & 16A kit-kat flush type fuse (Brand appr by) EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover & making necy conn.	Each	763	12	9156
3	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	Each	324	12	3888
4	Supply & Fixing 240 V, 25A Modular type socket, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (C-Curve) and 6 Module GI Modular type switch board with 6 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	1047	1	1047
5	Supply & Fixing Socket type fan regulator (Step type) (Brand approved by EIC) on existing sheet metal switch				

	board with bakelite/perspex top cover by screw after making housing for regulator knob by cutting bakelite/perspex top cover incl. making necy. connections etc.	Each	236	12	2832
6	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR'(Precision make) incl.necy fittings as required.				
i	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC(LDB to S/Board)	RM	102	34	3468
ii	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC(PDB to 16A plug)	RM	149	134	19966
iii	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC (PDB to CP & Pump)	RM	193	67	12931
iv	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (PDB to 6A Plug pt)	RM	119	131	15589
7	CONTROL CABLE				
A	Supplying of PVC Arm.cable with Al. conductors of 1.1 KV grade conforms to I.S:1554 (part-1) for following cross -section				
	B)1x 35sq.mm 3.5 core (do)	RM	571	49	27979
	C)1x16 sq.mm 2 core (do)	RM	281	47	13207
B	Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire.				
	B)1x 35sq.mm 3.5 core (do)	RM	11	49	539
	C)1x16 sq.mm 2 core (do)	RM	11	47	517
C	S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry				
	B)1x 35sq.mm 3.5 core (do)	Each	162	2	324
	C)1x16 sq.mm 2 core (do)	Each	115	2	230
D	Finishing the end of following cables by crimping method incl S&F dowels etc.				
	B)1x 35sq.mm 3.5 core (do)	Set	158	4	632
	C)1x16 sq.mm 2 core (do)	Set	58	2	116
8	DISTRIBUTION SYSTEM WITH TRAY Supply & Fixing of perforated GI cable tray with perforation not more than 17.5% suspended from ceiling incl. S&F GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. required of the following size. Incl. Al painting of MS support With 25x25x3mm angle iron support 300x50x1.25mm (18SWG)	Each	367	6	2202
9	Supply & Fixing of perforated GI cable tray bend with perforation not more than 17.5% suspended from ceiling with two nos. suspenders & 25x25x3mm angle iron for supporting the cross member incl. S&F GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. as required of the following size. Incl. Al painting of MS support. 300x50x1.25mm (18SWG)	Each	706	2	1412
10	Supplying and fixing double door Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision				

	for earthing attachment Enclosure(607914)Legrand upto 160A 8Way	Each	10683	1	10683
11	Supplying and fixing 415 V Four Pole MCCB of Breaking capacity 25kA/35kA with fixed thermal and fixed magnetic / adjustable thermal and fixed magnetic setting in existing DBs / enclosure and necessary connection Legrand 160A FP	Each	9759	1	9759
12	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection Legrand 63A TP	Each	1432	12	17184
13	Supplying and fixing double-door SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. Legrand(Encl.607712) 2+12way (PWD2014/D9/13)	Each	1757	1	1757
14	Supplying and fixing double door Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment Legrand(encl.607717) 8way	Each	4194	1	4194
15	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 63A DP Legrand (PWD2014/D5/6) 100A FP Legrand (DO)	Each Each	460 927	1 1	460 927
16	Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection SP 6-32Amps Legrand	Each	190	20	3800
17	LUMINAIRES				
B	TMC 501P 2xT -LED Incl.mounting rail for TLED Lamps (Philips)	Each	600	15	9000
C D	TLED Essential tube 1200mm..1600 Lumen 20w(Philips) Fixing only single/twin fluorescent light fitting suspended 25 cm bellow the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length	Each Each	400 199	30 15	12000 2985
E	Supply & Fixing high speed (rpm 2000) with regulator wall fan				

	Orient,crompton greaves,Havells,Polar make.	Each	2117	9	19053
18	Supplying of 50mm dia B class ISI marked GI pipe pole 3.0 mtr long with 250x250x6mm thick MS base plate with 50/40mm dia reducing socket on the top of the pole & 40mm dia 0.50mtr GI bracket drilling hole on the pole with a suitable height from base to draw the wire for connection etc, including painting with two coats of synthetic enamel paint of approved colour etc.as required.(pipe: Jindal,TATA Bansal or equivalent)	Each	4050	5	20250
19	Erection of Single Steel tubular pole of length as given below with/without sole plate & Cap etc. in CC foundation (Proportion and dimension indicated below), having 600x600x150 mm thick CC (4:2:1) base block below sole plate/pole with hard jhama metal including CC (6:3:1) muffing 0.30 mts. dia and 0.30 mts. above ground level including 3 mm thick neat cemented finish and GI earth bolt after making drilled holes etc. on pole & carriage of pole upto 1.6 Km from Store to work-site including filling up the excavated earth pit with shifted soil and ramming properly Upto 9.0 mtr. Size 0.6x0.6x1.70 mts	Each	2403	5	12015
20	Extra on items 1& 2 above, for providing CC (6:3:1) base block (around the pole) dimension 0.60x0.60x0.76 mt. above ground level, neatly cemented finish (3 mm thick), at the base pole (in lieu of CC muffing) suitable for alkathene/ polythene pipe entry as directed for street light wiring, incl. S & F 25cmx25cmx10cm GI Loop box, 16SWG & incl. drilled hole in pole	Each	1325	5	6625
21	Distribution wiring for street light on pole with 2x1/1.40 PVC insulated and sheathed (single core) in 15 mm dia GI pipe (ISI Medium), without control switch incl. S&F 30.48 cm outdoor type dispersive light fitting with GI Pipe bracket and providing 25x6 mm Galv. MS flat clamps with bolts, nuts etc. and incl. painting (Av. run 3m	Each	1736	16	27776
22	Supplying & Fixing GI waterproof type looping cable box size 200x150x100 mm deep having 4 mm thick comprising of one 250 V 15 A kit-kat fuse unit, one NL on porcelain insulator, one compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive paint (Sintex make)	Each	458	16	7328
23	SITC of 45watt street light LED luminaires having colour temp. not less than 5700K ,lumen output not less than 4500 lumen complete with energy efficient LED driver,IP66 protection die cast aluminium housing with toughned glass cover,duly complete for use on 230V single phase,50watt AC supply on existing street light bracket,i.e connection to luminaires				

	complete as per specification as required(philips/havelles)	Each	5500	16	88000
24	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level as below By ISI-Medium GI pipe	Each	1369	2	2738
25	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos. 12 mm dia holes on the GI pipe	Each	915	2	1830
26	Extra for treatment of soil by using salt & charcoal or coke for plate electrode	item	531	2	1062
27	Connecting the equipments to earth busbar including S & F GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages No. 6 SWG	RM	13	127	1651
	(A) TOTAL BASIC COST :(Excluding G.S.T)				393520
	B)G.S.T 18% EXTRA ON TOTAL TENTATIVE BASIC COST(A)				70834
	C)GRAND TOTAL[A+B]				464354

Name of the Agency:

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Amount quoted by the Agency:

Signature of the Agency with date and stamp

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