UNIVERSITY OF CALCUTTA

OFFICE OF THE UNIVERSITY ENGINEER
87/1, College Street
Darbhanga Building, GroundFloor
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-179 /21-22** **Date: 29.11.2021**
2.	**Name of the work:**	***THOROUGH EI WORKS FOR DAMAGED DISTRIBUTION SYSTEM AT V.L MITRA COLLEGE FOR HOME SCIENCE,2B JUDGES COURT ROAD,KOLKATA-27 UNDER UNIVERSITY OF CALCUTTA.***
3.	**Estimated Cost put to Tender:**	**430274/-(Four lakh thirty thousand two hundred seventy four only) (Excluding G.S.T)**
4.	**Earnest Money:**	A sum of Rs **21600/**-(Twenty one thousand six hundred 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 ducted by the University from the running bills. **EMD is not exempted in any case.**
5.	**Time of completion:**	15days
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 amounting75 % 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**. 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 receipt of application for tender b)Return of application**	On 02/12/2021 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 06/12/ 2021 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 06/ 12/ 2021 after 3 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 ENGINEER (C.U)

UNIVERSITY OF CALCUTTA

Name of the work:- Thorough EI works for damaged distribution system at V.L.Mitra college for Home science,2B Judges court road,Kolkata-27,under University of Calcutta.

N. I.T. no- Eng /ET-179 /21-22 **Date: 29.11.2021**

Estimated cost Put to Tender:- 430274/-(Four lakh thirty thousand two hundred seventy four only)

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-179 /21-22 **Date: 29.11.2021**

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 yearin sealed envelope in the Tender box kept in the Office of the undersigned with in the specified time mentioned in the NITwhich will be opened by the undersigned or by his representative with in **the specified time and date mentioned in the NITThe 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 maximumlimit 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 5% of the quoted amount 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 six months from the date of completion of the job. 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:-

N. I.T no : Eng /ET-179 /21-22 **Date: 29.11.2021**

Specific Price schedule for

Thorough EI works for damaged distribution system at V.L.Mitra college for Home science,2B Judges court road,Kolkata-27,under University of Calcutta.

Sl.No.	Description of work	Unit	Rate	Quantity	Amount
1	CONTROL CABLE Supplying of PVC **Arm.cable with Al. conductors of 1.1 KV grade** conforms to I.S:1554 (part-1) for following cross -section				
	A)1x70 sq.mm 3.5 core Make: Mescab/Havells/Polycab	RM	427	61	26047
	B)1x 35sq.mm 3.5 core (do)	RM	242	91	22022
	C)1x16 sq.mm 2 core (do)	RM	124	89	11036
2	Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire.				
	A)1x70 sq.mm 3.5 core (do)	RM	15	61	915
	B)1x 35sq.mm 3.5 core (do)	RM	11	91	1001
	C)1x16 sq.mm 2 core (do)	RM	11	89	979
3	S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry				
	A)1x70 sq.mm 3.5 core (do)	Each	212	4	848
	B)1x 35sq.mm 3.5 core (do)	Each	162	6	972
	C)1x16 sq.mm 2 core (do)	Each	115	12	1380
4	Finishing the end of following cables by crimping method incl S&F dowels etc.				
	A)1x70 sq.mm 3.5 core (do)	Set	263	4	1052
	B)1x 35sq.mm 3.5 core (do)	Set	158	6	948
	C)1x16 sq.mm 2 core (do)	Set	58	12	696
5	Supplying and fixing 415V, TPN SFU with sheet steel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating.(L&T/Siemens) 160A	Each	7908	1	7908
6	Supplying and fixing sheet steel (16SWG) cable end box on TPN SFU enclosure with nuts bolts etc incl. powder coated painting. 160A	Each	567	2	1134
7	Inter connection between SFU to MCPincoming by HRFR PVC insulated flexible unsheathed copper conductor of follow-ing cross section. 70 sq,mm	RM	978	16	15648
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	20	7340
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	6	4236
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	2	21366
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	2	19518
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	10	14320
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	3	5271
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	3	12582
15	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 63A DP Legrand (PWD2014/D5/6)	Each	460	3	1380
	100A FP Legrand (DO)	Each	927	3	2781
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	108	20520
17	SITC of main cubicle control panel welded construction LT panel suitable for 415 V,3phase,4wire,50hz AC supply system suitable size fabricated in compartmentalized design from CRCA sheet steel of 2mm thick for frame work,load bearing members,doors & covers & 3mm thick for gland plate incl cleaning & finishing complete with7 or more tank process for powder coating in approved shade having 250Amp capacity TPN copper busbars of high conductivitywith 99% neutral DMC/SMC busbar supports with short circuit with stand support 31MVA for 1 sec at 415Volts.Bottom base channel MS section not less than 100mmx50mm&4.7mm thick(ISMC 100).Fabrication shall be done in transportable sections,entire panel shall have a common tinned copper earth bar of size 25mmx5mm at the rear 2 nos earth studd terminals.solid connections from main busbar to switch gears with reqd.size of CU. bus bar & Control wiring with 2.5sqmmFRLS grade PVC insulated copper conductor single core.Cable,cable alleys, cable gland plate incl.providing following switch gears & accessories A) INCOMER i) 250A 4Pole MCCB with thermal magnetic base relays,35 KA breaking capacity,415Volts incl copper phase spreader & rotary operated handle 1NO ii) Multifunction meter,reqd CT,indication LED lamp through MCB B) OUTGOING i) 100A 4Pole MCCB with thermal magnetic base relays,35 KA breaking capacity,415Volts incl copper phase spreader & rotary operated handle 4Nos ii) Multifunction meter,reqd CT,indication LED lamp through MCB Make of Switch gears : Legrand/ABB/L&T Make ofMeters : AE	Item	175000	1	175000
18	Earthing with Copper plate (610x610x3mm size) having weight of 9.84 Kg and 1 No. 25x5mm Copper strip (3.20 mt long) & 1 no. 6 sqmm PVC insulated stranded Copper wire (4 Mt long) incl. S & F 15 mm dia GI pipe (ISI-Medium) protection (4 mt. long) to be fillied with bitumen, partly under the ground level & partly above ground level to an average depth of 3.65 Mts. below the ground level and restoring the surface duly rammed incl. providing 3.0 mt long, 25 mm dia GI pipe (ISI-Medium) for periodic treatment, incl. providing masonery enclosure on the top of the earth electrode of overall size 86.36x86.36x46cm deep (below Ground level) complete with cemented brick work (1:6) of 25 cm width, duly plastered with cement morter (inside) CI hinged inspection cover of size 36.56x35.56cm with locking arrangement, GI reducer and treatment of soil by using salt & charcoal or coke for plate electrode	set	10466	2	20932
19	Connecting the equipments body to earth busbar including S & F 25 mm x 6 mm galvanised (Hot Dip) MS flat on wall/floor				

	with GI saddles as required and connection to equipments incl. drilling holes, with bolts, nuts, washers etc.	RM	138	20	2760
20	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 10SWG	RM	6	450	2700
21	Supplying & Laying of following sizeDWC HDPE pipe ISI marked along with				
	all accessories like socket,bend, coupler etc,comprising to IS16205 comp;ete with fitting,cutting,jointing etc direct in ground (75cm below GL) incl excavation & refilling the trench but excl.sand cushioning & protective coverng etc complete as required. 100mm Dia	RM	290	40	11600
22	OUTSIDE LUMINAIRES (Building peripherial lighting)				
A	SpeedoLED light 90W MSL08 90Watt	Each	4440	2	8880
B	Distribution wiring in 1.1 KV single core stranded FRPVCinsulated unsheat hed copper wire(Brand approved by EIC)in 20mm size PVCincl.necy fittings as required.				
	i)2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	119	30	3570
C	Fixing only outdoor / street light type fluorescent light fitting or MV light fitting complete with all accessories to be fixed /projected from the wall of the building incl. making holes/providing clamping arrangement & necy. GI reducer as required. S&F 40 mm GI pipe (ISI-Medium) quality 1.5 mts. average length having suitable bend S&F necy. length of 1.5 sqmm PVC insulated single core stranded annealed copper wire and making connections as required and mending good damages to wall incl. painting etc.	Each	807	2	1614
23	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 gasketted 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.	Each	458	2	916
24	Supply & Fixing 240 V, 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board incl. S & F 100x100x65mm 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 [E6/17b]	Each	201	2	402
	(A) TOTAL BASIC COST :(Excluding G.S.T)				430274
	B)G.S.T EXTRA ON TOTAL TENTATIVE BASIC COST(A)as applicable				

Name of the Agency:

Address of the Agency:

Amount quoted by the Agency:

Signature of the Agency with date and stamp.