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- 146/22-23. Date: 31-05-2022**
2.	**Name of the work:**	***E.I works for general laboratory of Botany,department of Botanyy at Ballygunge science college, university of Calcutta***
3.	**Estimated Cost put to Tender:**	**Rs 389937/--(Three lacs eighty nine thousand nine hundred thirty seven only) Incl.Taxes**
4.	**Earnest Money:**	A sum **of Rs6600/-(Six thousand sixhundred 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:**	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 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 submission of application for tender b) Receipt of application**	On 02/06/2022 from 11 am to 4 pm (Must contain above mentioned. Documents.) 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 07/06/2022 from 11 am 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 after3.00 PM 07/06/2022 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: ***E.I works for general laboratory of Botany,department of Botanyy at Ballygunge science college, university of Calcutta***

N. I.T. no- Eng / ET- 146/22-23. Date: 31-05-2022

Estimated cost Put to Tender: Rs 389937/--(Three lacs eighty nine thousand nine hundred thirty seven 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- 146/22-23. Date: 31-05-2022

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 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:-

N. I.T. no : Eng / ET- 146/22-23. Date: 31-05-2022

Specific Price schedule

BOQ FOR EI WORKS FOR THE GENERAL LABORATORY OF BOTANY,DEPARTMENT OF BOTANY,AT **BALLYGUNGE SCIENCE COLLEGE,UNIVERSITY OF CALCUTTA**

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	30	19770
	Average run 6 mtr	Point	733	22	16126
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 apprd 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	10	7630
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 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	14	3304
5	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.				
	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC(LDB to S/Board)	RM	102	105	10710
	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC(PDB to PP)	RM	149	180	26820
	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC (PDB to CP)	RM	193	114	22002
	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (PDB to 6A Plug pt)	RM	119	97	11543
6	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				
	A)1x70 sq.mm 3.5 core Make: Mescab/Havells/Polycab	RM	915	19	17385
	B)1x 35sq.mm 3.5 core (do)	RM	514	57	29298
	C)1x16 sq.mm 2 core (do)	RM	253	58	14674
b	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	19	285
	B)1x 35sq.mm 3.5 core (do)	RM	11	57	627
	C)1x16 sq.mm 2 core (do)	RM	11	58	638
c	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	2	424
	B)1x 35sq.mm 3.5 core (do)	Each	162	4	648
	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.				
	A)1x70 sq.mm 3.5 core (do)	Set	263	2	526
	B)1x 35sq.mm 3.5 core (do)	Set	158	4	632
	C)1x16 sq.mm 2 core (do)	Set	58	2	116
7	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
8	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
9	Inter connection between busbar to SFU incoming by HRFR PVC insulated flexible unsheathed copper conductor of follow-ing cross section.				
	70 sq,mm	RM	978	12	11736

10	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	24	8808
11	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	3	2118
12	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
13	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
14	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	8	11456
15	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
16	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	2	8388
17	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	1	460

	100A FP Legrand (DO)	Each	927	2	1854
18	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	60	11400
19	TMC 501P 2xT -LED Incl.mounting rail for TLED Lamps (Philips)	Each	600	30	18000
20	TLED Essential tube 1200mm..1600 Lumen 20w(Philips)	Each	350	80	28000
21	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 sutable 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	199	30	5970
22	Lowering & refixing of existing ceiling fan complete with blades canopy,fork,rubber bush etc.incl making necy connection & disconn. as reqd.	Each	35	14	490
23 A	Earth Continuity Conductor : 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. 10 SWG	RM	6	225	1350
B	Connecting the equipments body to earth busbar including S&F 20 mm x 3 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	92	6	552
C	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	RM	156	1	156
24	Dismantling the existing electrical installation (Ceiling fan,tubelight DB,mainswitch GI conduit, etc)	item	1200	1	1200
	(A) TOTAL BASIC COST :(Excluding G.S.T)				330455
	B)18%G.S.T EXTRA ON TOTAL TENTATIVE BASIC COST(A)				59482
	C)GRAND TOTAL[A+B]				389937

Specification/Make of the items to be used:

Cable:Havells/KEI …..XLPE

Wires:Havells/Polycab/KEI……HRFR

DB : Legrand/L&T/ABB …Double Door

MCCBs & MCBs : Legrand/L&T/ABB

Ceiling/ wall Fan : Orient/Polar/CG

Luminaires : Philips/Havells/C&G

SFU : L&T

Name of the contractor:

Address of the contractor:

Rate quoted by the contractor:

Signature with date & seal

Name of the contractor:

Address of the contractor:

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Name of the contractor:

Address of the contractor:

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Signature with date & seal:

Name of the Agency:

Address of the Agency:

Amount quoted by the Agency:

Signature of the Agency with date and stamp.