



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- 211 /20.-21 Dated 02 / 02 /2021
2.	Name of Work	:	Thorough E.I works for the laboratories(R/No 205&210) of professor Gautam Aditya at Ballygunge science college,1 ST floor Department of Zoology,under University of Calcutta.,
3.	Estimated Cost put to Tender	:-	322966/- (Three lacs twenty two thousand nine hundred sixty six only
4.	Earnest Money	:-	A sum of Rs16500/- (Rupees Sixteen thousand five 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 sucessful 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 will be exempted for those bidders who are registered with NSIC or MSME subject to the submission of NSIC/MSME certificate of similar nature of work.
5.	Time of completion	:-	21days
6.	Eligibility Criteria	:-	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 year . Government, Government Undertaking and University of Calcutta credentials are accepted.(only completion certificate of the work should be treated as Credential.
7.	Last date of receipt of application for tender	:-	NA
8.	Last date of Sale/ issue of tender papers		TO BE DOWNLOADED FROM WEBSITE.(www. caluniv.ac.in)
9.	Last Date and Time of tender Submission	:-	11 / 02 /21(10am to 2pm)
10.	Date and Time of Tender Opening	:-	11 / 02 /2021 (after 3:00 PM)

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 thus cancelled.

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 E.I works for the laboratories(R/No 205&210) of professor Gautam Aditya at Ballygunge science college,1ST floor Department of Zoology,under University of Calcutta.

N. I.T. no- Eng /ET- 211 /20-21. **Dated** 02 / 02 /2021

Estimated cost Put to Tender/=322966/ (Three lacs twenty two thousand nine hundred sixty six only)

Name of Agency:-

Address of Agency:-

Rate quoted by Agency:- (%)
Percent Above / At par / Below

Signature of the Agency with date & stamp:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET- 211 /20.-21 Dated 02 / 02 / 2021

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

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 05 % of the contract value .



5. The allotted time for completion of the work 45 days 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 estimated amount i.e. value **as mentioned in the NIT**. in the form of 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 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:--

B ranch :-

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 other wise 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 CONTRACTOR WITH SEAL AND DATE

B.O.Q FOR THOROUGH E.I WORKS FOR THE LABORATORIES (R/NO205&210) OF PROFESSOR GAUTAM ADITYA
AT BALLYGUNGE SCIENCE COLLEGE 1ST FLOOR, DEPARTMENT OF ZOOLOGY, UNDER 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. PVC clips, fittings etc. to light/fan/call bell point with piano key type switch (Anchor make) fixed on sheet steel fabricated switch board with Perspex/bakelite top cover on wall incl. necy. connections and making earthing attachment and mending good damages to building works. [PVC casing-capping and Switch board both on surface] Average run 6 mtr	[E11/2b] Each	650	17	11050
2	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. PVC clips, fittings etc. to 5A 3 pin flush type plug socket with piano key type switch (Anchor make) fixed on sheet steel fabricated CRC MS switch board with bakelite/perspex (wall matching color) top cover of 3 mm thick flushed in wall by housing the board after cutting brick wall incl. necy. connection making earthing attachment, painting and mending good damages to building works [PVC casing-capping and plug box both on surface]				
a)	On Board (E12/6)	point	67	3	201
b)	Average run 7.5 mtr (do)	do	706	6	4236
c)	Average run 3 mtr (do)	do	377	4	1508
3	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch & 20A fuse (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	point	287	5	1435
4	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				
a)	2 x 22/0.3 (1.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	102	61	6222
b)	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	119	167	19873
c)	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC	RM	149	87	12963
d)	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	RM	193	47	9071

5	Supply & Fixing of perforated GI cable tray with perforation more than 17.5% suspended from ceiling with two nos. suspend & 25x25x3mm angle iron for supporting the cross member incl. GI connector, 6mm dia MS suspender, bolts & nuts, steel fastener etc. as required of the following size. Incl. AI painting of MS support 300x50x1.25mm (18SWG)	[D14/34 a]	each	367	10	3670
6	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	2	3514
7	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 [D10/14]	[D10/14]	Each	4194	2	8388
8	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection.					
i	63A DP Legrand (PWD2014/D5/6)		Each	460	2	920
ii	100A FP Legrand (DO)		Each	927	2	1854
9	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 [D6/7]	[D6/7]	Each	190	72	13680
10	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 [p/List19] C)1x16 sq.mm 2 core [do]		RM	242	51	12342
			RM	124	50	6200
11	Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire. B)1x 35sq.mm 3.5 core [PWD 17/F3/6] C)1x16 sq.mm 2 core (do)		RM	11	51	561
			RM	11	50	550
12	S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry B)1x 35sq.mm 3.5 core [PWD17/F4/7] C)1x16 sq.mm 2 core (do)		Each	162	4	648
			Each	115	4	460
13	Finishing the end of following cables by crimping method incl S&F dowels etc. B)1x 35sq.mm 3.5 core [PWD17/F5/8/B/iv &xv] C)1x16 sq.mm 2 core (do)		Set	158	4	632
			Set	58	4	232
14	Luminaires (Internal lighting)					
i	TMC 501 P 1x LEDMounting rails for TLED Lamps		Each	500	8	4000
ii	TLED Essential 20Watt		Each	400	16	6400
15A	Supplying of Ceiling Fan 1200mm. make Orient /Usha/Polar [Plist 14]		Each	2186	5	10930

15B	Supply & Fixing high speed (rpm 2000) with regulator wall fan Orient,crompton greaves,Havells,Polar make. [p/list14]	Each	2117	4	8468
15C	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire. (c4)	Each	66	5	330
15D	Lowering & refixing of existing ceiling fan complete with blades canopy,fork,rubber bush etc.incl making necy connection & disconn. as reqd. (C4)	Each	35	5	175
15E	Supply & Fixing Socket type fan regulator (Step type)(Brand approved by EIC) on existing sheet metal switchboard with bakelite/ perspex top cover by screw incl.making necy. connections . etc.	Each	218	5	1090
15F	Fixing only cabin fan on wall/ceiling by S&F rag bolts, nuts & washers (6 mm dia x 62 mm long) or as reqd. incl. S&F 24/0.20 PVC insulated flexible copper wire 0.5 mt. length . [C4/29]	Each	92	4	368
16	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 & 20A switch type MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm 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.(surface mount)	Each	752	8	6016
17	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. [G2/4a]	RM	156	1	156
	Earth Continuity Conductor :				
18	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 [G2/5/17]	RM	6	202	1212
19	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	75	6900
20	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. [E19/18]	Each	1047	2	2094
21	Air conditionning				

a)	SITC of 3star rating split air conditioner machine with R 410 gas incl.remote controller of folowing capacity suitable for operation on 230v +/- 10% volt ,50Hz,single phase ac supply with air cooled evaporator with copper coil fan & fan motor,air cooled condenser with copper coil,hermatically sealed rotary compressor,propeller fans,controls,control panels incl wiring,necy. power cable connection from unit to power socket,refrigerant pipe of appropriate size between indoor & outdoor unit upto 3 mtr length[both suction& delivery,incl gas charging complete as reqd, 1.5TR [Make: Hitachi/Daikin/Bluestar]	each	45590	2	91180
b)	Providing & fixing copper pipe thickness with nitrile rubber insulation not less than 0.6 mm& suitable size as required for supply& return refrigerant with suitable insulation for above Acs as per specification of manufacturer complete in all respect as required[in excess of 3.00 mtr length/Machine 1/4"[OD-6.35mm]	RM	231	57	13167
c)	Supplying & laying 20mm dia ISI marked PVC flexible pipe along with accessories on surface of the wall to drain out condensed water from indoor unit as required.	RM	59	27	1593
d)	S&F factory fabricatedM.S structure for resting/Placing of 1.5TR capacity split A.C outdoor unit on existing bldg. & fixed by MS fastner.	item	1060	3	3180
e)	S&F4C flexible copper cable of size 4sq.mm,from indoor to outdoor unit incl.connection,commissioning testing etc as reqd.[Polycab/Havells]	RM	166	39	6474
f)	Hire & labour charges for shuttering with centering &necy. Staging upto 4mtr using approved stout props &thick hard wood planks of apprpd thickness with reqd.bracing for concrete slab,beams & coloumns,lintels curved or straight.....works (upto roof of G/F) When the height of a particular floor is more than 4mtr the equivalent flr height shall be taken as 4mtr 7 extra for works beyond the initial 4mtr shall be allowed under 12(e) for every 4mtr or part thereof.extra for staging beyond 4mtr in any floor.(H=12mtr,B=2mtr,L=1.5mtr) Vol=36cum	Cum	68	23	1564
(A) TOTAL BASIC COST :					285507
(B)G.S.T @12% ON TOTAL TENTATIVE BASIC COST(A)(Subject to verification of accounts dept) :					34261
TOTAL BASIC COST +GST=(A+B)					319768
(C) ADD 1% L.W CESS ON (A+B) :					3198
TOTAL COST :(A+B+C)=Rs(285507+34261+3198)= RS					322966
(Rs.THREE LAC TWENTY TWO THOUSAND NINE HUNDRED &SIXTY SIX ONLY)					

Name of contractor:

Address :

Amount /Rate quoted by the contractor:

Signature of contractor :