



**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- 252 /20-21	Dated 12/ 0 / 2021
2.	Name of Work	:	THOROUGH E.I WORKS INCLUDING SUPPLY & FIXING OF NEW AIR CONDITIONER MACHINE FOR THE RENOVATION OF LABORATORY ROOM NO 220,ALLOCATED TO PROF.URMI CHATTERJEE,DEPT.OF ZOOLOGY,BALLYGUNGE SCIENCE COLLEGE UNIVERSITY OF CALCUTTA,35 B.C ROAD,KOL-19.	
3.	Estimated Cost put to Tender	:-	198647/-( One lac ninety eight thousand six hundred forty seven only)	
4.	Earnest Money	:-	A sum of <b>Rs10000/- (Rupees TenThousand only)</b> in the form of <b>CTS</b> 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 deduction of security deposit @10% by the University from the running/final bill. 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 . 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	:-	15days	
6.	Eligibility Criteria & documents to be submitted along with the applications	:-	The intending bidder must attach the photo-copies of all the relevant documents such as 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, or Government Undertaking or University of Calcutta with the tender documents and drop the sealed envelope in to the tender box kept at office of the undersigned. Only completion certificate of the work will be considered as Credential of works. Original documents may be asked for verification of technical checking on the date of tender opening. Failing to produce original documents, the tender will be rejected	
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	:-	22 / 02 /21(10am to 2pm )	
10.	Date and Time of Tender Opening	:-	22 / 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)



**N. I.T. no-** Eng /ET- 252 /20.-21      **Dated**    12 / 02    / 2021

**Name of the work:** T THOROUGH E.I WORKS INCLUDING SUPPLY & FIXING OF NEW AIR CONDITIONER MACHINE FOR THE RENOVATION OF LABORATORY ROOM NO 220,ALLOCATED TO PROF.URMI CHATTERJEE,DEPT.OF ZOOLOGY,BALLYGUNGE SCIENCE COLLEGE UNIVERSITY OF CALCUTTA,35 B.C ROAD,KOL-19.

**Estimated cost Put to Tender:** /-198647 /-( One lac ninety eight thousand six hundred forty seven 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- 252 /20-21

**Dated** 12 / 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 10 % 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 UNIVERSITYOF 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.

16.The intending bidder must attach the photo-copies of all the relevant documents such as 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, or Government Undertaking or University of Calcutta with the tender documents and drop the sealed envelope in to the tender box kept at office of the undersigned. Only completion certificate of the work will be considered as Credential of works. Original documents may be asked for verification of technical checking on the date of tender opening. Failing to produce original documents, the tender will be rejected

17. Guarantee/Warranty period of the work will be 6(Six) months from the date of completion of the work

UNIVERSITY ENGINEER (C.U)

Name of the Agency:

Address :-

**SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE**

**BOQ FOR THOROUGH E.I WORKS INCLUDING SUPPLY & FIXING OF NEW AIR CONDITIONER MACHINE FOR THE RENOVATION OF LABORATORY ROOM NO 220,ALLOCATED TO PROF.URMI CHATTERJEE,DEPT.OF ZOOLOGY,BALLYGUNGE SCIENCE COLLEGE UNIVERSITY OF CALCUTTA,35 B.C ROAD,KOL-19.**

<b>Sl.No.</b>	<b>Description of work</b>	<b>Unit</b>	<b>Rate</b>	<b>Quantity</b>	<b>Amount</b>
E23/7c	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) [for horizontal run & ceiling portion] and partly in 19mm bore, 3mm thick polythene concealed pipe [for vertical run embedded in wall only], 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 points with Modular type switch (Brand approved by EIC) fixed on Modular GI switch board with top cover plate and 2 no. suitable size "Ph & N" copper bar & earthing attachment flushed in wall incl. mending good damages to original finish [PVC casing-capping on Wall and vertical & switch box both concealed] Average run 8 mtr	Each	926	8	7408
E24/3f	2 Distribution wiring in 1.1 KV grade 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1.1 KV grade 1 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire as ECC, to 6A 3 pin Modular type plug socket & switch (Brand approved by EIC) on 4 Module GI switch board with 3/4 Module top cover plate on wall incl. necy. connection making earthing attachment, painting and mending good damages to building works. Average run 7.5 mtr	Each	805	6	4830
E17/3a	3 Supply & Fixing 240 V 6 A Modular type switch (Brand approved by EIC) on existing GI Modular type switch board having top cover plate and making necessary connections as required .	Each	82	1	82
E17/4a	4 Supply & Fixing 240 V, 6A, 5 pin Modular type plug socket (Brand approved by EIC), without switch & plug				

	top, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	120	1	120
E18/9b	5 Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC) with 16A Modular type switch, without plug top on 4 Module GI Modular type switch board with 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	456	6	2736
E18/10	6 Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Brand approved by EIC) on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	Each	387	2	774
E19/15	7 Supply & Fixing 240 V, 4 nos. 16 A, 3 pin Modular type plug socket with 4 nos. 16A Modular type switch (Brand approved by EIC), 20A Modular switch type SP MCB (C-Curve) and Indicator without plug top on 2 row 18 Module GI Modular type switch board with 2 row 18 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	2007	4	8028
E19/18	8 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
E14/1a/	9 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 [L/Ckt]	RM	102	27	2754
ii	2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC [P/Ckt]	RM	149	117	17433
iii	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC [AC Ckt]	RM	193	49	9457
iv	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	RM	119	223	26537
D14/34 a	10 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)	each	367	5	1835
D9/13	11 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.				

	12	Legrand(Encl.607712) 2+12way (PWD2014/D9/13)	Each	1757	1	1757
D10/14		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
D5/6	13	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	1	460
ii		100A FP Legrand (DO)	Each	927	1	927
D6/7	14	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	36	6840
p/list19	15	Supplying of PVC <b>Arm.cable with Al. conductors of 1.1 KV grade</b> conforms to I.S:1554 (part-1) for following cross -section				
		B)1x 35sq.mm 3.5 core (do)	RM	242	27	6534
		C)1x16 sq.mm 2 core (do)	RM	124	29	3596
F3/6	16	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	27	297
		C)1x16 sq.mm 2 core (do)	RM	11	29	319
F4/7	17	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
F5/8	18	Finishing the end of following cables by crimping method incl S&F dowels etc.				
		B)1x 35sq.mm 3.5 core (do)	Set	158	2	316
		C)1x16 sq.mm 2 core (do)	Set	58	2	116
i	19	Luminaires (Internal lighting)				
ii		TMC 501 P 1x LEDMounting rails for TLED Lamps	Each	500	3	1500
		TLED Essential 20Watt	Each	400	6	2400
	20	Supplying of Ceiling Fan 1200mm. make Orient /Usha/Polar [Plist 14]	Each	2186	2	4372
C4	21	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.	Each	66	2	132
C4	22	Lowering & refixing of existing ceiling fan complete with blades canopy,fork,rubber bush etc.incl making necy connection & disconn. as reqd.	Each	35	2	70
G2/4a	23	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/17	RM	156	1	156



24	Earth Continuity Conductor :				
G2/5	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	70	420
25	Air conditioning				
	SITC of 3star rating split air conditioner machine with R 32 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	1	45590
26	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	12	2772
27	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	15	885
28	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	1	1060
29	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	27	4482
30	Hire & labour charges for shuttering with centering &necy. Staging upto 4mtr using approved stout props &thick hard wood planks of aprpd 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	15	1020
31	Dismantling the existing electrical installation (Ceiling fan2 nos,tubelight 4nos,DB,mainswitch nine AC machines etc)	item	1200	1	1200
32	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				
C2/17	2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length.	Each	199	3	597

(A) TOTAL BASIC COST :	175607
(B)G.S.T @12% ON TOTAL TENTATIVE BASIC COST(A)(Subject to verification of accounts dept) :	21073
TOTAL BASIC COST +GST=(A+B)	196680
(C) ADD 1% L.W CESS ON (A+B) :	1967
TOTAL COST :(A+B+C)=Rs(175607+21073+1967)= RS	198647

(Rs.ONE LAC NINETY EIGHT THOUSAND SIX HUNDRED & FORTY SEVEN ONLY)

Name of contractor:

Address :

Amount /Rate quoted by the contractor:

Signature of contractor :