



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 / 178 /21-22 Date: 29.11.2021
2.	Name of the work:	<u>E.I works for setting up new workshop at technology campus of Calcutta University, Saltlake.</u>
3.	Estimated Cost put to Tender:	<u>452838/- (Four lakh fifty two thousand eight hundred thirty eight only) (Excluding G.S.T)</u>
4.	Earnest Money:	A sum of 23000/- (Twenty three thousand 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 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 OF CALCUTTA

Name of the work:- *E.I works for setting up new workshop at technology campus of Calcutta University, Saltlake.*

N. I.T. no- Eng / 178 /21-22 Date: 29.11.2021

Estimated cost Put to Tender:- **452838/-**(Four lakh fifty two thousand eight hundred thirty eight 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 / 178 /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 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 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:-

Specific Price schedule for

Name of the Work :-E.I works for setting up new workshop at technology campus of Calcutta University, Saltlake.

Sl.No.	Description of work	Unit	Rate	Quantity	Amount
1	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	60	22020
2	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
3	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	3	32049
4	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	3	29277
5	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	24	34368
6	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
7	Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. 100A FP Legrand (DO)	Each	927	1	927
8	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	48	9120
9	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter: 30 cm (12")	Each	329	2	658
10	supplying of 1ph 12"45watt,920rpm heavy duty exhaust fan EPC make	Each	2100	2	4200
11	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 B)1x 35sq.mm 3.5 core (do) C)1x10 sq.mm 4 core (do) D)1X10 sq.mm 2core (do)	RM	427	75	32025
		RM	242	60	14520
		RM	141	135	19035
		RM	108	141	15228
12	Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire. A)1x70 sq.mm 3.5 core B)1x 35sq.mm 3.5 core C)1x10 sq.mm 4 core (do) D)1X10 sq.mm 2core	RM	15	75	1125
		RM	11	60	660
		RM	11	135	1485
		RM	11	141	1551
13	S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry A)1x70 sq.mm 3.5 core B)1x 35sq.mm 3.5 core C)1x10 sq.mm 4 core (do) D)1X10 sq.mm 2core	Each	212	6	1272
		Each	162	4	648
		Each	132	16	2112
		Each	115	16	1840
14	Finishing the end of following cables by crimping method incl S&F dowels etc. A)1x70 sq.mm 3.5 core B)1x 35sq.mm 3.5 core C)1x10 sq.mm 4 core D)1X10 sq.mm 2core	Set	263	6	1578
		Set	158	4	632
		Set	67	16	1072
		Set	34	16	544

15	Supplying and fixing 415V, TPN SFU open execution in existing cubical control panel with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating 160A Make : L&T	Each	6001	2	12002
16	Inter connection between SFU to outgoing terminal by HRFR PVC insulated flexible unsheathed copper conductor of following cross section. 70 sq,mm	RM	978	16	15648
17	Supplying & Fixing Industrial Plug & Socket board with 240 V, 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. S&F 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure fixed on wall and necessary connection	Each	904	10	9040
18	Supplying of starters for controlling heavy duty instrument as per rating				
a)	DOL starter: 240V,1ph,relay range 0.25-0.4A,back up fuse 2amps Make: L&T MK1 (DOL)	Each	2424	10	24240
b)	DOL starter: 415V,3ph,relay range 0.25-0.4A,back up fuse 2amps Make :L&T MK1 (DOL)	Each	3200	10	32000
19	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 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC(PDB to 16A plug)	RM	149	77	11473
b)	2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC (PDB to CP & AC)	RM	193	97	18721
c)	2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (PDB to 6A Plug pt)	RM	119	113	13447
20	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	point	456	6	2736
21	Supply & Fixing 240 V, 4 nos. 6 A, 3 pin Modular type plug socket with 4 nos. 6A Modular type switch (Brand approved by EIC), 16A Modular switch type 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.	point	1691	6	10146
22	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	2	2094
23	<p>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 filled 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 masonry 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 mortar (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</p>	set	10466	2	20932
24	<p>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.</p>	RM	138	20	2760
25	<p>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</p>	RM	6	681	4086
26	<p>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</p>	RM	156	4	624
27 a)	<p>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,</p>				

i	1.0TR (Make:Hitachi/Daikin/Bluestar BEE rating 3Star	Each	25574	1	25574
28	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	10	2310
29	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
30	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
31	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	15	2490
(A) TOTAL BASIC COST :(Excluding G.S.T)					452838
B)G.S.T EXTRA ON TOTAL TENTATIVE BASIC COST(A)as applicable					

Name of
the
contractor:

Address of
The
contractor:

Amount
quoted by
the
contractor:

Signature
with date
& stamp: