



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- 476 /19-20	Dated-24.02.2020
2.	Name of Work	:	Electrical Renovation work of the Departmental rooftop room at Applied Physics Building, 3 rd floor, Rajabazar Science College, CU, Kolkata-9	
3.	Estimated Cost put to Tender	:-	171724/- (Including all Taxes)	
4.	Earnest Money	:-	A sum of Rs 8600/- (Rupees Eight 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.	
5.	Time of completion	:-	15 days	
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	:-	02.03.2020 (Upto 2 PM)	
10.	Date and Time of Tender Opening	:-	02.03.2020 (On or after 3 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.

For details enquiry & further correspondence feel free to contact the Engineer C.U. or The Office of the Engineer at any working day between 11.00 am to 4.00 pm.

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

N. I.T. no- Eng/ET -476 /19-20

Dated-24.02.2020

Name of the work:- Electrical Renovation work of the Departmental rooftop room at Applied Physics Building, 3rd floor,
Rajabazar Science College, CU, Kolkata-9

Name of Agency:-

Estimated cost Put to Tender:- Rs 171724/-

Address of Agency:-

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

Total Quoted amount:- Rs.....

Signature of the Agency with date & stamp:-

Signature of the Concerned Sub-Assistant-Engineer/University Engineer as a token that the agency has visited the site:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET-476 /19-20. Dated-24.02.2020

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(only completion certificate of the work should be treated as Credential) in sealed

envelope in the Tender box kept in the Office of the undersigned up to **2.00 pm on 02.03.2020**. which will be opened by the undersigned or by his representative in your presence within 3.00 pm on the same day .**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 15 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 Rs8600/- (Rupees Eight Thousand Six hundred only)** .). in the form of demand draft in favor 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.

D.D No..... Dated / /20

Name of Issuing Bank:--

Branch :-

Amount :- Rs 2850/- (Rupees Two thousand Eight hundred fifty only).

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. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the consultant & the contractor. 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 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 Agency must visit the site before bidding and must take signature of the concern Sub Assistant Engineer in the

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

ESTIMATE FOR THE ELECTRICAL RENOVATION WORK OF THE DEPARTMENTAL ROOFTOP ROOM AT APPLIED PHYSICS BUILDING,3RD FLOOR,RAJABAZAR SCIENCE COLLEGE,CU , KOL-9					
Schedule Followed PWD schedule 2017 & Present Local Market Price					
Item No	Description of Items	Unit	Rate	Qty	Amount
1	distn wiring in 1.1 KV single core stranded FR" PVC insulated & Unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision/ Presto make) incl necessary fittings as required (Page no-E-14 item no-1a-I & ii)				
	2X 2.5 +1x 1.5	Metre	119	95	11305
	2x4+1X2.5	Metre	149	18	2682
2	Dismantling the existing Electrical wiring	LS	400	1	400
3	Supply and fixing 240V, 3 nos 6A,& 1 no 20A dual plug socket with separate 3 nos 6A & 1 no 20A Piano key type switch, indicator & 20A switch type SP MCB on sheet metal switch board embedded in wall incl supply and fixing 240x200x65 mm MS (16 SWG) switch board and bakelite top cover of 3 mm thick by brass screw after making housing for switch by cutting bakelite cover and making necessary connection as required (Page no-E-7, Item no-26)	Each	752	6	4512

4	Supplying and fixing double door vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall and mending good the damage to original finish incl inter connection with suitable size of copper wire and neutral link and provision for earthing attachment. Make-Havells. 8 way Enclosure (DHDLVDRWA0F008) (D-12, ITEM NO-15)	No	9439	1	9439
5	Supply and fixing 240V,25A modular type socket, 25A 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 supply and fixing switch board and cover plate and making necessary connections with PVC Cu wire and earth continuity wire etc. (Page no-E-19, Item no-18)	No	1047	1	1047
6	Supply & connection of 25A 3 pin plug top (Page no-K-3,item no-113)	Each	120	1	120
7	Fixing the recessed mounting luminaires including with all accessories recessed in false ceiling after cutting the ceiling with all required and necessary connection (As per market price basis)	Each	150	20	3000
8	Distn wiring in 1.1 KV grade 2X22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision Make) with 1x22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire for ECC to light/ fan/call bell points with piano key type switch (Anchor make) fixed on MS CRC sheet metal (SWG) switch board cum JB on wall complete with 2 nosuitable size Ph & N copper bar incl bakelite top cover 3 mm thick and incl 175 mm x100 mm x 65 mm inspection box,making earthing attachment,painting the MS box and mending good the damage to original finish (Page no-E-14, item no-2)				
	Average run 6 mtr	No	612	16	9792
	Average run 8 mts	No	849	8	6792
	Average run 10 mts	No	1007	4	4028
9	Supplying and fixing 240/415 V MCB of breaking capacity 10KA & C characteristics on din rail of existing DBs and necessary connection (D-6 item no-7)	No	168	12	2016
	Havells 6-32A Single pole				
10	Supplying and fixing 415V MCB of breaking capacity 10 KA & C characteristics on din rail of existing DBs and necessary connection (D-6 item no-7)	No	1476	8	11808
	Havells 63A FP				

11	Green LEDi spot Type- DN190B LED3S-6500 PSU WH	No	1400	20	28000
12	Fixing the recessed mounting luminaires including with all accessories recessed in false ceiling after cutting the ceiling with all required and necessary connection (As per market price basis)	Each	150	20	3000
13	Supply of 400mm Sameera wall fan Make-Havells (As per market price schedule 2018)	Each	2670	8	21360
16	Direct on line starters in sheet steel enclosure Type- MK-1, Relay range-11-18A, SS96211 Make- L & T	Each	2000	2	4000
17	Supplying and fixing sheet steel main switches on angle iron frame on wall 63A make-Standard (D-1-item no-1 b)	Each	3180	1	3180
18	Laying of cable upto 3/4 core 25 sq mm on wall/ surface incl supply and fixing MS saddle with earthing attachment in 10 swg GI (Hot dip) wire, making holes etc as necy mending good damages (F-1, item no-2b)	RM	60	80	4800
19	Supplying and fixing compression type gland complete with brass gland , brass ring for dust and moisture proof entry of XLPE/ PVC armoured cable as 25 sq mm 4 core (F-4 item no-7)	Each	162	2	324
20	Finishing the end of following XLPE/PVC armoured cables by crimping method incl supplying and fixing solderless socket (Dowels make) tapes, anticorrosive paste and jointing materials (F-5, item no-8-b)	Set	115	2	230
	4 core 25 sq mm				
21	Supply of 4 core 25 sq mm Armoured LT power cable Al conductor (As per havells price list 2017)	RM	175	80	14000
22	Supplying and fixing 415V , 100A four pole MCCB of breaking capacity 25KA/ 35 KA with fixed thermal and fixed magnetic / adjustable thermal and fixed magnetic setting in existing DB and necessary connection release Make-Havells (D8, item no-10)	Each	4982	1	4982
23	MCCB Enclosure (SKB7) FP (k1,ITEM NO-13)	Each	836	3	2508
	A) Total Tentative basic cost				153325
	B) GST on A @ 12%				18399
	Total tentative basic cost + GST (A+B)				171724



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University of Calcutta invites **sealed** tender from resourceful and bonafide contractors for the following work

1.	N.I.T. No	:	Eng/ET-477 /19-20	Dated-24.02.2020
2.	Name of Work	:	Electrical Renovation work for Laboratory of B Tech & M Tech at Applied Physics Building, 2 nd floor, Rajabazar Science College, CU, Kolkata-9	
3.	Estimated Cost put to Tender	:-	341597/- (Including all Taxes)	
4.	Earnest Money	:-	A sum of Rs 17100/- (Rupees Seventeen thousand one 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.	
5.	Time of completion	:-	15 days	
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	:-	02.03.2020 (Upto 2 PM)	
10.	Date and Time of Tender Opening	:-	02.03.2020 (On or after 3 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.

For details enquiry & further correspondence feel free to contact the Engineer C.U. or
The Office of the Engineer at any working day between 11.00 am to 4.00 pm.

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

N. I.T. no- Eng/ET-477/19-20

Dated-24.02.2020

Name of the work:- Electrical Renovation work for Laboratory of B Tech & M Tech at Applied Physics Building, 2nd floor,
Rajabazar Science College, CU, Kolkata-9

Estimated cost Put to Tender:- Rs 341597/-

Name of Agency:-

Address of Agency:-

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

Total Quoted amount:- Rs.....

Signature of the Agency with date & stamp:-

**Signature of the Concerned Sub-Assistant-Engineer/University Engineer as a token
that the agency has visited the site:-**



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET-477 /19-20. Dated-24.02.2020

TENDER AND CONTRACT FOR WORK

GENERAL TERMS AND DIRECTION FOR THE GUIDANCE OF CONTRACT

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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 15 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 Rs17100/- (Rupees Seventeen Thousand one hundred only)**.) in the form of demand draft in favor 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.

D.D No..... Dated / /20

Name of Issuing Bank:--

B ranch :-

Amount :- Rs 17100/- (Rupees Seventeen thousand One hundred only).

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. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the consultant & the contractor. 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 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 Agency must visit the site before bidding and must take signature of the concern Sub Assistant Engineer in the

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

**ESTIMATE FOR THE ELECTRICAL RENOVATION WORK FOR
LABORATORY OF B TECH AND M TECH AT APPLIED PHYSICS
BUILDING,2ND FLOOR,RAJABAZAR SCIENCE COLLEGE,CU , KOL-9**

Schedule Followed PWD schedule 2017 & Present Local Market Price

Item No	Description of Items	Unit	Rate	Qty	Amount
1	distn wiring in 1.1 KV single core stranded FR" PVC insulated & Unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision/ Presto make) incl necessary fittings as required (Page no-E-14 item no-1a-I & ii)				
	2X 2.5 +1x 1.5	Metre	119	550	65450
	2x4+1X2.5	Metre	149	150	22350
2	Dismantling the existing Electrical wiring	LS	400	1	400
3	Supply and fixing 240V, 3 nos 6A,& 1 no 20A dual plug socket with separate 3 nos 6A & 1 no 20A Piano key type switch, indicator & 20A switch type SP MCB on sheet metal switch board embedded in wall incl supply and fixing 240x200x65 mm MS (16 SWG) switch board and bakelite top cover of 3 mm thick by brass screw after making housing for switch by cutting bakelite cover and making necessary connection as required (Page no-E-7, Item no-26)	Each	752	32	24064
4	Supplying and fixing double door vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall and mending good the damage to original finish incl inter connection with suitable size of copper wire and neutral link and provision for earthing attachment. Make-Havells. 8 way Enclosure (DHDLVDRWA0F008) (D-12, ITEM NO-15)	No	9439	1	9439
5	Supply and fixing 240V,25A modular type socket, 25A 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 supply and fixing switch board and cover plate and making necessary connections with PVC Cu wire and earth continuity wire etc. (Page no-E-19, Item no-18)	No	1047	3	3141
6	Supply & connection of 25A 3 pin plug top (Page no-K-3,item no-113)	Each	120	3	360
7	Fixing the recessed mounting luminaires including with all accessories recessed in false ceiling after cutting the ceiling with all required and necessary connection (As per market price basis)	Each	150	60	9000

8	Distn wiring in 1.1 KV grade 2X22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision Make) with 1x22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire for ECC to light/ fan/call bell points with piano key type switch (Anchor make) fixed on MS CRC sheet metal (SWG) switch board cum JB on wall complete with 2 nosuitable size Ph & N copper bar incl bakelite top cover 3 mm thick and incl 175 mm x100 mm x 65 mm inspection box,making earthing attachment,painting the MS box and mending good the damage to original finish (Page no- E-14, item no-2)				
	Average run 8 mts	No	849	9	7641
	Average run 12 Mtr	No	1165	10	11650
	Average run 10 mts	No	1007	18	18126
9	Supplying and fixing 240/415 V MCB of breaking capacity 10KA & C characteristics on din rail of existing DBs and necessary connection (D-6 item no-7)	No	168	12	2016
	Havells 6-32A Single pole				
10	Supplying and fixing 415V MCB of breaking capacity 10 KA & C characteristics on din rail of existing DBs and necessary connection (D-6 item no-7)	No	1476	3	4428
	Havells 63A FP				
11	Green LEDi spot Type- DN190B LED3S-6500 PSU WH	No	1400	60	84000
12	Fixing the recessed mounting luminaires including with all accessories recessed in false ceiling after cutting the ceiling with all required and necessary connection (As per market price basis)	Each	150	60	9000
13	Supply of Ceiling Fan Make-Havells, Model-Pacer,Sweep-1400 mm	No	2740	1	2740
14	Fixing only ceiling fan complete with blades, canopy, fork, rubber bush etc incl supply and fixing connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x 1.5 sqmm flexible copper wire. (C3, item no-21 a)	No	66	12	792
15	Extra for supplying additional wire for down rod & painting the rod exceeding 30 cm by 2x1.5 sq mm flexible copper wire. (C-3, item no-21 b)	RM	44	36	1584
16	Direct on line starters in sheet steel enclosure Type- MK-1, Relay range-11-18A, SS96211 Make- L & T	Each	2000	3	6000

17	Supplying and fixing sheet steel main switches on angle iron frame on wall 63A make-Standard (D-1-item no-1 b)	Each	3180	1	3180
18	Laying of cable upto 3/4 core 25 sq mm on wall/ surface incl supply and fixing MS saddle with earthing attachment in 10 swg GI (Hot dip) wire, making holes etc as necy mending good damages (F-1, item no-2b)	RM	60	60	3600
19	Supplying and fixing compression type gland complete with brass gland , brass ring for dust and moisture proof entry of XLPE/ PVC armoured cable as 25 sq mm 4 core (F-4 item no-7)	Each	162	2	324
20	Finishing the end of following XLPE/PVC armoured cables by crimping method incl supplying and fixing solderless socket (Dowels make) tapes, anticorrosive paste and jointing materials (F-5, item no-8-b)	Set	115	2	230
	4 core 25 sq mm				
21	Supply of 4 core 25 sq mm Armoured LT power cable Al conductor (As per havells price list 2017)	RM	175	60	10500
22	Supplying and fixing 415V , 100A four pole MCCB of breaking capacity 25KA/ 35 KA with fixed thermal and fixed magnetic / adjustable thermal and fixed magnetic setting in existing DB and necessary connection release Make-Havells (D8, item no-10)	Each	4982	1	4982
	A) Total Tentative basic cost				304997
	B) GST on A @ 12%				36600
	Total tentative basic cost + GST (A+B)				341597



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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-478 /19-20	Dated-24.02.2020
2.	Name of Work	:	Electrical renovation work in room no-38 of Dr Ramananda Maity, Department of Chemistry, 1 st floor, Pali Building, R.SC College, 92, A.P.C.Road Kolkata-9	
3.	Estimated Cost put to Tender	:-	211865/- (Including all Taxes)	
4.	Earnest Money	:-	A sum of Rs10600/- (Rupees Ten 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.	
5.	Time of completion	:-	45 days	
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	
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9.	Last Date and Time of tender Submission	:-	02.03.2020 (Upto 2 PM)	
10.	Date and Time of Tender Opening	:-	02.03.2020 (On or after 3 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.

For details enquiry & further correspondence feel free to contact the Engineer C.U. or The Office of the Engineer at any working day between 11.00 am to 4.00 pm.

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

N. I.T. no- Eng/ET-478 /19-20

Dated-24.02.2020

Name of the work:- Electrical renovation work in room no-38 of Dr Ramananda Maity, Department of Chemistry, 1st floor,
Pali Building, R.SC College, 92, A.P.C.Road Kolkata-9

Name of Agency:-

Estimated cost Put to Tender:-Rs 211865/-

Address of Agency:-

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

Total Quoted amount:- Rs.....

Signature of the Agency with date & stamp:-

Signature of the Concerned Sub-Assistant-Engineer/University Engineer as a token that the agency has visited the site:-



UNIVERSITY OF CALCUTTA

N. I.T. no- Eng /ET- 478 /19-20. Dated -24.02.2020

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(only completion certificate of the work should be treated as Credential) in sealed

envelope in the Tender box kept in the Office of the undersigned up to **2.00 pm on 02.03.2020**. which will be opened by the undersigned or by his representative in your presence within 3.00 pm on the same day .**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 Rs 10600** 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.

D.D No..... Dated / /20

Name of Issuing Bank:--

B ranch :-

Amount :- Rs 10600 (Rupees Ten thousand six hundred only)

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. The estimate given along with the tender are provisional payment will be made on the actual work done jointly measured by the consultant & the contractor. 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 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 Agency must visit the site before bidding and must take signature of the concern Sub Assistant Engineer in the

Sd/-

University Engineer

Name of the Agency:

Address :-

SIGNATURE OF THE CONTRACTOR WITH SEAL AND DATE

ESTIMATE FOR THE ELECTRICAL RENOVATION WORK IN ROOM NO-38 OF Dr RAMANANDA MAITY, DEPARTMENT OF CHEMISTRY, 1ST FLOOR, PALIT BUILDING, RAJABAZAR SCIENCE COLLEGE, CU , KOL-9					
Schedule Followed PWD schedule 2017 & Present Local Market Price					
Item No	Description of Items	Unit	Rate	Qty	Amount
1	Supply and fixing socket type fan regulator (Step type) on existing sheet metal switch board with bakelite top cover by screw incl making necessary connections etc (E-6 item no-18-b)	Each	218	4	872
2	distn wiring in 1.1 KV single core stranded FR" PVC insulated & Unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision/ Presto make) incl necessary fittings as required (Page no-E-14 item no-1a-I & ii)				
	2X 2.5 +1x 1.5	Metre	119	270	32130
	2x4+1X2.5	Metre	149	40	5960

3	LED Batten Type- TMC 501 P 2XT-LED 22W P 3242	Each	600	5	3000
4	LED Batten Type- TMC 501 P 1XT-LED 22W P 3241	Each	500	19	9500
5	LED Lamps-Type-MAS LED TUBE 1200mm 18W 865 T81	Each	900	29	26100
6	Supply of 400mm Sameera wall fan Make-Havells (As per market price schedule 2018)	Each	2670	2	5340
7	Fixing only cabin fan on wall by supply and fixing rag bolts, nuts and washers (6mm diaX 62 mm long) or as required incl supply and fixing 24/0.20 PVC insulated flexible copper wire 0.5 mt length (C4-item no-29)	Each	92	2	184
8	Fixing only light fitting complete with all accessories directly on wall with round block & suitable size of fastner,Ceiling plate,nipples etc as required (Page no-C-2 item no-14-d)	Each	161	24	3864
9	Fixing only ceiling fan complete with blades,canopy,fork,rubber bush etc incl S & F connecting wire for down rod upto 30cm incl painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire (Page no-C-3 item no-21a)	No	66	4	264
10	Supply of 1400mm ceiling fan Model-XP-390 Make- Havells. (As per market price-2018)	Each	2730	4	10920
11	Distn wiring in 1.1 KV grade 2X22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire in 20 mm size PVC rigid conduit FR (Precision Make) with 1x22/0.3 (1.5 sq mm) single core stranded FR PVC insulated & unsheathed copper wire for ECC to light/ fan/call bell points with piano key type switch (Anchor make) fixed on MS CRC sheet metal (SWG) switch board cum JB on wall complete with 2 nosuitable size Ph & N copper bar incl bakelite top cover 3 mm thick and incl 175 mm x100 mm x 65 mm inspection box,making earthing attachment,painting the MS box and mending good the damage to original finish (Page no-E-14, item no-2)				
	Average run 8 mts	No	849	28	23772
	Average run 10 mts	No	1007	6	6042

12	Dismantling the existing Electrical wiring	LS	500	1	500
13	Extra for suspension exceeding 25 cm with S & F additional 2 no 20 mm dia EI conduit (14 SWG) supports and necessary PVC insulated wire and painting etc as required by 2X24/0.20 mm (1.5sq mm) flexible copper wire of 1.10mt length (Page no-C-2 item no-16)	RM	155	15	2325
14	Supply and fixing iron beam fan clamp of two piece type, as per approved specification, fabricated from 40mmX 9mm MS sheet flat suitable for beam having flange upto 150 mm wide. (D-14 item no-30)	Each	178	4	712
15	Supply and fixing 240V ,2 nos 6A plug socket with separate 2 nos 6A piano key type switch with 16 A switch type SP MCB & indicator on sheet metal switch board on wall incl supply and fixing 240X200X65mm MS switch board and bakelite top cover of 3 mm thick by brass screw after making housing for switch by cutting bakelite cover and making necessary connection.	No	1	579	579
16	Supply and fixing 240V, 2 nos 20A dual plug socket and 4 nos 6A plug socket with separate 2 nos 20A & 4 nos 6A piano key type switch indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl supply and fixing 300X200X65mm MS switch board and bakelite top cover of 3 mm thick by brass screws after making housing for switch by cutting bakelite top cover and making necessary connection as required	No	1	956	956
17	Supply and fixing 240V, 4 nos 20A dual plug socket with separate 4 nos 20A piano key type switch indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl supply and fixing 300X200X65mm MS switch board and bakelite top cover of 3 mm thick by brass screws after making housing for switch by cutting bakelite top cover and making necessary connection as required (E8, item no-32)	No	6	1012	6072

18	Supply and fixing 240V, 2 nos 6A & 2 nos 20A dual plug socket with separate 2 nos 6A & 2 nos 20A piano key type switch indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl supply and fixing 240X200X65mm MS switch board and bakelite top cover of 3 mm thick by brass screws after making housing for switch by cutting bakelite top cover and making necessary connection as required (E7, item no-28)	No	12	822	9864
19	Supplying and fixing 240/415 V MCB of breaking capacity 10KA & C characteristics on din rail of existing DBs and necessary connection (D-6 item no-7)				
	Havells 63A FP	Each	1476	1	1476
	Havells 6-32A Single pole	No	168	24	4032
20	Supplying and fixing double door horizontal TPN MCB distribution board with IP-42/43 protection, including inter connection with suitable size of copper wire and neutral link and provision for earthing attachment. Make-Havells, 8 way, Enclosure (DHDPTHODRW08) (Page no-D-10, Item no-14)	No	3832	1	3832
21	Supply of heavy duty exhaust fans 380mm, 900 RPM model-Turbo force SP (As per market price schedule 2018)	Each	4150	4	16600
22	Fixing only exhaust fan after making in hole in wall and making good damages and smooth finish etc as particible as possible and providing necy length of PVC insulated wire and making connection for exhaust fan of following diameter	Each	411	4	1644
	38 Cm (C-4, item no-28-C)				
23	Supplying and fixing sheet steel main switches on angle iron frame on wall 63A make-Standard (D-1-item no-1 b)	Each	3180	1	3180
24	Laying of cable upto 3/4 core 25 sq mm on wall/ surface incl supply and fixing MS saddle with earthing attachment in 10 swg GI (Hot dip) wire, making holes etc as necy mending good damages (F-1, item no-2b)	RM	60	30	1800
25	Supplying and fixing compression type gland complete with brass gland , brass ring for dust and moisture proof entry of XLPE/ PVC armoured cable as 25 sq mm 4 core (F-4 item no-7)	Each	162	2	324

26	Finishing the end of following XLPE/PVC armoured cables by crimping method incl supplying and fixing solderless socket (Dowels make) tapes, anticorrosive paste and jointing materials (F-5, item no-8-b)	Set	115	2	230
	4 core 25 sq mm				
27	Supply of 4 core 25 sq mm Armoured LT power cable Al conductor (As per havells price list 2017)	RM	175	30	5250
28	Supplying and drawing 1.1 KV single core stranded FR PVC insulated and unsheathed single core stranded copper wire in the polythene pipe and making necessary connection for 3X10+2X6 sq mm (E-9, item no-1-c1)	RM	397	2	794
29	Supply and fixing 240V,25A modular type socket, 25A 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 supply and fixing switch board and cover plate and making necessary connections with PVC Cu wire and earth continuity wire etc. (Page no-E-19, Item no-18)	No	1047	1	1047

A) Total Tentative basic cost Rs 189165

B) GST on A @ 12% Rs 22699.8

Total tentative basic cost + GST (A+B) 211864.8

Total Cost **Rs 211865**

Name of the Agency

Address of the Agency

Rate Quoted by the Agency

Signature of the agency with date