



UNIVERSITY OF CALCUTTA  
OFFICE OF THE UNIVERSITY ENGINEER  
87/1 College Street  
Darbhanga Building, Ground Floor  
Kolkata-700073  
Website :-www.caluniv.ac.in

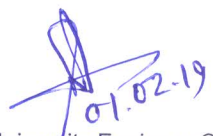
NOTICE INVITING TENDER

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

|     |                                                |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |
|-----|------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 1.  | N.I.T. No                                      | :  | Eng /ET-322/18-19.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Dated: 01/02/ 2019 |
| 2.  | Name of Work                                   | :  | Thorough electrical renovation of Library (408), Lecture Halls (409), Museum (419), Somametric Lab, Dark Labs (410, 411) etc. of Department Of Anthropology, Ballygunge Science College, University of Calcutta.                                                                                                                                                                                                                                                                                                                                                     |                    |
| 3.  | Estimated Cost put to Tender                   | :- | 441523/=                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |
| 4.  | Earnest Money                                  | :- | A sum of Rs22100/- (Rupees Twenty Two 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 deducted by the University from the running bills. |                    |
| 5.  | Time of completion                             | :- | 60 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        | :- | 12/02/19 (up to 2PM)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |
| 10. | Date and Time of Tender Opening                | :- | On 12/02/19 at 3:00 PM or after                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |

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.

  
01.02.19  
University Engineer C.U.



## UNIVERSITY OF CALCUTTA

Name of the work: Thorough electrical renovation of Library (408), Lecture Halls (409), Museum(419), Somametric Lab , Dark Labs(410, 411) etc. of Department Of Anthropology ,Ballygunge Science College, University of Calcutta.

N. I.T. no- Eng/ET-322/18-19.

Dated: 01/02/2019

Estimated cost Put to Tender: 441523/=

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-322/18-19.

Dated: 01/02/ 2019

### 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 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 mended 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 ELECTRICAL RENOVATION OF LIBRARY(408),LECTURE HALLS( ,409,)MUSEUM (419,) SOMAMETRIC LAB(467)  
DARK LAB (410,411)) &421OF DEPT OF ANTHROPOLOGY, .BALLYGUNGE SC.COLLEGE, CALCUTTA UNIVERSITY.

| Sl.No. | Description of work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Rate | Quantity | Amount | pwd 17<br>Sch. |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|--------|----------------|
| 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] (R/no409:L=12 F=8,R/no408:L=23 F=8,R/no419:L=8 F=6 R/no467L=7,F=7 R/no 421:L=10 F=8 ) Total:L=60,F=37=60=37=97<br>Average run 6 mtr | Each | 650  | 97       | 63050  | E11/2b         |
| 2      | Supply & Fixing 240 V, 6A, plug socket with separate 6 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required (R/no409:6R/no408:6,R/no419:4 R/no467:6 R/no421:4)Total:26                                                                                                                                                                                                                                                                                                                                                            | Each | 204  | 26       | 5304   | E6/21          |
| 3      | Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required (Same as item no 2)                                                                                                                                                                                                                                                                                                                                                                                                 | Each | 287  | 26       | 7462   | E6/22          |
| 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.<br>2x22/0.3(1.5sq.mm)+1x22/0.3(1.5sq.mm)ECC(LDB to SWITCH BOARD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RM   | 102  | 67       | 6834   | E14/E1         |
|        | 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (PDB to 6A Plug pt)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | RM   | 119  | 177      | 21063  | E14/E1/ii]     |
|        | 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC (PDB to 16A plug)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RM   | 149  | 117      | 17433  | E14/E1/iii     |
|        | 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC (PDB to Metal plug)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RM   | 193  | 67       | 12931  | E14/E1/iv      |
| 5      | Supply & Fixing Socket type fan regulator (Step type) (Brand approved by EIC) on existing sheet metal switch board with bakelite/perspex top cover by screw after making housing for regulator knob by cutting bakelite /perspex top cover incl. making necy. connections etc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Each | 236  | 37       | 8732   | E6/18A         |



|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |       |    |       |        |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----|-------|--------|
| 6  | Supply & Fixing 240V6A plug socket without switch & plug top on existingswitch board having bachelite cover by screws after making housing for socket & making necy connection.                                                                                                                                                                                                                                                                                                                                                                                                       | Each | 36    | 11 | 396   | E5/15a |
| 7  | Supply & Fixing 240V6A piano key type switch (brnd appr'd) on existing switch board having bachelite cover by screws after making housing for socket & making necy connection.                                                                                                                                                                                                                                                                                                                                                                                                        | Each | 27    | 11 | 297   | E5/14  |
| 8  | 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 suitable size 4 nos. fastener and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with MS clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length | Each | 199   | 65 | 12935 | C2/17  |
| 9  | 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<br>Enclosure(607914)Legrand upto 160A 8Way                                                                                                                                                                                                                                    | Each | 10683 | 1  | 10683 | D11/15 |
| 10 | 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<br>Legrand 160A FP                                                                                                                                                                                                                                                                                                                                                | Each | 9759  | 1  | 9759  | D8/10  |
| 11 | Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection<br>Legrand 63A TP                                                                                                                                                                                                                                                                                                                                                                                                                               | Each | 1432  | 8  | 11456 | D6/7   |
| 12 | 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.<br>Legrand(Encl.607712) 2+12way (PWD2014/D9/13)                                                                                                                                                                                                                                           | Each | 1757  | 1  | 1757  | D9/13  |
| 13 | 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<br>Legrand(encl.607717) 8way                                                                                                                                                                                                                                                    | Each | 4194  | 1  | 4194  | D10/14 |
| 14 | Supplying and fixing 240/415 V MCB Isolator on din rail of existing DBs and necessary connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |       |    |       |        |

|    |                                                                                                                                                                                                                                                                                                                                 |                      |                   |                 |                        |                      |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|-----------------|------------------------|----------------------|
| a  | 63A DP Legrand (PWD2014/D5/6)                                                                                                                                                                                                                                                                                                   | Each                 | 460               | 1               | 460                    | D5/6                 |
| b  | 100A FP Legrand (DO)                                                                                                                                                                                                                                                                                                            | Each                 | 927               | 1               | 927                    | do                   |
| 15 | Supplying and fixing 240/415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection<br>SP 6-32Amps Legrand                                                                                                                                                                    | Each                 | 190               | 36              | 6840                   | D6/7                 |
| 16 | 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 |                      |                   |                 |                        |                      |
|    | 200x50x1.25mm (18SWG)                                                                                                                                                                                                                                                                                                           | each                 | 287               | 25              | 7175                   | D14/34<br>a          |
| 17 | LUMINAIRES<br>TMC 501P 2xT -LED Incl.mounting rail for TLED Lamps (Philips)<br>TLED Essential tube 1200mm..1600 Lumen 20w(Philips)                                                                                                                                                                                              | Each<br>Each         | 600<br>400        | 65<br>130       | 39000<br>52000         | LED P/lst<br>2017    |
| 18 | Lowering & refixing of existing ceiling fan complete with blades canopy,fork,rubber bush etc.incl making necy connection & disconn. as reqd.                                                                                                                                                                                    | Each                 | 35                | 37              | 1295                   | C3/22                |
| 19 | Supplying of PVC Arm.cable with Al. conductors of 1.1 KV grade conforms to I.S:1554 (part-1) for following cross -section<br>A)1x70 sq.mm 3.5 core Make: Mescab/Havells/Polycab<br>B)1x 35sq.mm 3.5 core (do)<br>C)1x16 sq.mm 2 core (do)                                                                                       | RM<br>RM<br>RM       | 422<br>239<br>126 | 22<br>97<br>103 | 9284<br>23183<br>12978 | p/list18<br>do<br>do |
| 20 | Laying of cable as below, on existing Cable Tray and binding with suitable size GI wire.<br>A)1x70 sq.mm 3.5 core (do)<br>B)1x 35sq.mm 3.5 core (do)<br>C)1x16 sq.mm 2 core (do)                                                                                                                                                | RM<br>RM<br>RM       | 15<br>11<br>11    | 22<br>97<br>103 | 330<br>1067<br>1133    | F3/6<br>do<br>do     |
| 21 | S&F compression type gland complete with brass gland rubber rings for dust & moisture proof entry<br>A)1x70 sq.mm 3.5 core (do)<br>B)1x 35sq.mm 3.5 core (do)<br>C)1x16 sq.mm 2 core (do)                                                                                                                                       | Each<br>Each<br>Each | 212<br>162<br>115 | 4<br>4<br>4     | 848<br>648<br>460      | F4/7<br>do<br>do     |
| 22 | Finishing the end of following cables by crimping method incl S&F dowels etc.<br>A)1x70 sq.mm 3.5 core (do)<br>B)1x 35sq.mm 3.5 core (do)<br>C)1x16 sq.mm 2 core (do)                                                                                                                                                           | Set<br>Set<br>Set    | 263<br>158<br>58  | 2<br>4<br>4     | 526<br>632<br>232      | F5/8b<br>do<br>do    |
| 23 | Supplying and fixing 415V, TPN SFU with sheet steel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating.(L&T/Siemens)<br>160A                                                                                                                                | Each                 | 7908              | 1               | 7908                   | D3/4a                |
| 24 | Supplying and fixing sheet steel (16SWG) cable end box on TPN SFU enclosure with nuts bolts etc incl. powder coated painting.<br>160A                                                                                                                                                                                           | Each                 | 567               | 2               | 1134                   | D5/5                 |



INTER CONNECTION BETWEEN MAIN BUSBAR TO FSU  
INCOMING

|    |                                                                                                                                                                                                                                                                                                                                                      |      |      |     |        |         |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|--------|---------|
| 25 | Inter-connection between Bus-bar to TPNFSU by Havell's single core copper conductor (flexible) of following cross-section incl. S&F proper copper socketing and crimping & flexible pipe.<br>c)95 sq.mm                                                                                                                                              | RM   | 950  | 6   | 5700   | P/lst18 |
| 26 | Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required                                                                                                   | RM   | 156  | 2   | 312    | G2/4a   |
| 27 | Earth Continuity Conductor :<br>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<br>No. 10 SWG (2x22+2x97+1x103)=341 | RM   | 6    | 341 | 2046   | G2/5    |
| 28 | Supplying of Ceiling Fan 1400mm. MAKE Crompton GRVS, Orient ETC                                                                                                                                                                                                                                                                                      | Each | 2135 | 6   | 12810  | p/lst16 |
| 29 | 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   | 60  | 3960   | C3/21a  |
| 30 | 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 make necy. connections with PVC Cu wire and earth cont wire.                                                           | Each | 1047 | 3   | 3141   | E19/18  |
|    | (A) TOTAL BASIC COST :                                                                                                                                                                                                                                                                                                                               |      |      |     | 390315 |         |
|    | (B)G.S.T @12% ON TOTAL TENTATIVE BASIC COST(A)(Subject to verification of accounts dept)                                                                                                                                                                                                                                                             |      |      |     | 46837  |         |
|    | TOTAL BASIC COST +GST(A+B)                                                                                                                                                                                                                                                                                                                           |      |      |     | 437152 |         |
|    | (C) ADD 1% L.W CESS ON C :                                                                                                                                                                                                                                                                                                                           |      |      |     | 4371   |         |
|    | TOTAL COST :(A+B+C)=Rs(390315+46837+4371)= RS                                                                                                                                                                                                                                                                                                        |      |      |     | 441523 |         |
|    | (Rs.FOUR LAC FORTYONE THOUSAND FIVE HUNDRED TWENTYTHREE ONLY)                                                                                                                                                                                                                                                                                        |      |      |     |        |         |

Name of the Agency:

Address of the Agency:

Rate Quoted by the Agency in figure & works:

Signature of the Agency: