

**SCHOOL OF OPEN LEARNING
CAMPUS OF OPEN LEARNING
UNIVERSITY OF DELHI
DELHI-110007**

REF.NO. SOL/GEN/2018/

Date:

Notice Inviting e-Tender

1. Online percentage rate tenders are invited from the contractors registered with C.P.W.D./ M.E.S./Railways/State PWDs (B&R)/Delhi University for the following work (s):

**Name of work: Re-wiring of SOL staff qtrs. (D & E Block), Dhaka Complex,
University of Delhi.**

Estimated Cost	Rs.14,72,959/-
Earnest Money	Rs.29,459/-
Completion Time	Six Months
Bid Submission end date	19/09/2018 (1500 hours)
Bid Opening date	20/09/2018 (1500 hours)

- 1 The Tender form & other details can be obtained from the website www.eprocure.gov.in
- 2 For further details, contact the office of undersigned and any corrigendum in this regard will be displayed on SOL & University of Delhi website i.e. www.sol.du.ac.in, www.du.ac.in, www.e-procure.gov.in and on notice board.

**SCHOOL OF OPEN LEARNING
UNIVERSITY OF DELHI
DELHI-110 007**

REF.NO. SOL/Gen./2018/

Date:

e-Tender

Online bids are invited in two bid systems for “**Re-wiring of SOL staff qtrs. (D & E Block)**” Dhaka Complex, University of Delhi. Manual bids shall not be accepted.

1. **Tender documents may be downloaded from CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in as under.**

Estimated Cost	Rs.14,72,959/-
Earnest Money	Rs.29,459/-
Completion Time	Six Months
Bid Submission end date	19/09/2018 (1500 hours)
Bid Opening date	20/09/2018 (1500 hours)

2. **Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.**

Bidder/Contractors are advised to follow the instructions provided in the ‘Instructions to the Contractors/Bidder for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>’.

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

3. Not more than one quotation shall be submitted by one contactor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
4. Bidder who has downloaded the tender from the Central Public Procurement Portal (CPPP) website - <https://eprocure.gov.in/eprocure/app> , <https://eprocure.gov.in/epublish/app> **shall not tamper/modify the quotation form including downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and Bidder is liable to be banned from doing business with University of Delhi.

5. Intending Bidders are advised to visit University of Delhi website www.du.ac.in and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days prior to closing date of submission of tender for any corrigendum / addendum/ amendment.
6. **Earnest Money:** - The EMD of Rs.29,459/- drawn in favour of “Executive Director, School of Open Learning, University of Delhi, payable at Delhi must be submitted to the Assistant Registrar (General), Room No. 206, SOL, Delhi – on or before last 19/09/2018 at 1500 hours of bid submission without which the tenders will not be considered. However, scanned copy of EMD is to be uploaded.
7. Bids will be opened as per date/time as mentioned above. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated later.

ASSISTANT REGISTRAR (GENERAL)

Content:

1. Instructions for online bid submission
2. Eligibility Requirements
3. Price Bid Undertaking and schedule
4. Scope of work
5. Terms & Conditions
6. List of specific make

Instructions for Online Bid Submission:

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

Eligibility Requirements: -

1. The bidder / contractor should have registration with CPWD/ MES/ Railways/ State PWDs (B&R)/Delhi University in appropriate category & class.
2. The bidder should not be black listed from any authorities.
3. The bidder should have the following documents
 - i. PAN Number
 - ii. Last Three Years Income Tax Return
 - iii. GST Registration Number
 - iv. ESIC Registration Number
 - v. EPFO Registration along with copy of latest EPF return/ ECR
 - vi. Registration with Labour Department
4. Demand Draft of Earnest Money.
5. Price bid undertaking form should be duly filled in.
6. Copy of valid Electrical Contractor License (For electrical work)
7. The bidder should upload the scanned copies of all the documents during online bid submission as per NIT conditions.

ASSISTANT REGISTRAR (GENERAL)

PRICE BID

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BoQ PDF

PRICE BID UNDERTAKING

From: (Full name and address of the Bidder)_____

To,

Dear Sir/Madam,

- 1. I submit the Price Bid for_____ and related activities as envisaged in the Bid document.
- 2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.
- 3. I offer to work at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes.
- 4. I/we are not blacklisted in any authorities/ Departments.
- 5. I have visited the site before quoted the rates.

Yours Faithfully,

Signature of the Authorized Representative

**Tender Inviting Authority: Executive Director, School of Open Learning,
University of Delhi**

**Sub:- “Re-wiring of SOL staff qtrs. (D & E block)” Dhaka Complex, University
of Delhi**

S.No.	Description	Qty.	Unit	Rate	Amount
1 1.10.1	wiring for light point/fan point/exhaust fan point/cell bell point with 1.5 sq mm FRLS PVC insulated copper conductor, single core cable in the surface/ recessed PVC conduit with piano type, switch phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FR PVC insulated copper cond. Single core cable etc. as reqd. Group A	56	Nos.	Rs.504/-	Rs.28,224/-
2 1.15.1	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor cable in the existing and earthing the point with 1.5 sq mm copper cable etc. as reqd. at site Group A	1150	Nos.	Rs.290/-	Rs.3,33,500/-
3 1.16	Rewiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.	112	Nos.	Rs.452/-	Rs.50,624/-
4 1.23.1	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as reqd.				
a 1.23.1	5/6 amps switch	1450	each	Rs.34	Rs.49300/-
b 1.23.2	2 way 5/6 amps switch	112	each	Rs.39	Rs.4368/-
c 1.23.4	3 pin 5/6 amp socket outlet	390	each	Rs.42	Rs.16380/-
d 1.23.3	15/16 amp switch	235	each	Rs.75	Rs.17625/-
e 1.23.5	6 pin 15/16 amp socket outlet	235	each	Rs.86	Rs.20210/-
f 1.23.8	Bell push	56	each	Rs.47	Rs.2632/-
5 MR	S/F Bakelite sheet with suitable size M.S box as wherever reqd. of following sizes i/c cutting the hole for existing switch & socket etc. as reqd.				
a	9"x11"	88	Nos.	Rs.99	Rs.8712/-
b	8"x5"	280	Nos.	Rs.40	Rs.11200/-
c	5"x5"	280	Nos.	Rs.25	Rs.7000/-
d	T cover	560	Nos.	Rs.5	Rs.2800/-
e	Fan Box Cover	112	Nos.	Rs.15	Rs.1680/-
6	Supplying and fixing of following sizes of medium class				

1.21	PVC conduit along with all accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a 1.21.1	20 mm	400	mtr	Rs.57	Rs.22800/-
7 1.25	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	88	Nos.	Rs.288	Rs.25344/-
8 MR	S/F fancy lights /wall bracket with glass suitable for 60/100 watt GLS lamp i/c connection etc. as reqd. at site	224	Nos.	Rs.400	Rs.89600/-
9	S/D the following size FRLS of PVC insulated copper conductor cable in the existing surface /recess PVC conduit as reqd.				
1.17.1	1 x 1.5 sq mm	5000	mtr	Rs.23	Rs.115000/-
1.17.11	2 x 2.5 sq mm	2000	mtr	Rs.53	Rs.106000/-
1.17.20	2 x 4 sq mm	2000	mtr	Rs.79	Rs.158000/-
1.17.29	2 x 6 sq mm	1000	mtr	Rs.113	Rs.113000/-
10 2.7.5	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator) 2 + 8 way, Double door	56	Nos.	Rs.2995	Rs.167720/-
11 2.10.1	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	336	each	Rs.173	Rs.58128/-
12 2.12.2	Supplying and fixing following 63 amp, double pole, 240 volts isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	56	Nos.	Rs.254	Rs.14224/-
13 1.38	Supplying and fixing of call bell/buzzer suitable for 230 volts single phase complete as reqd.	56	Nos.	Rs.61	Rs.3416/-
14 1.33	Supplying and fixing 3 pin 5 amp ceiling rose on the existing junction box/wooden block including connection etc. as reqd.	224	Nos.	Rs.46	Rs.10304/-
15 1.34	S/F PVC batten/angle holder including connections etc. as reqd.	280	Nos.	Rs.75	Rs.21000/-
16 5.2	Earthing with G.I pipe 4.5 meter long 40mm dia. including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required.	14	set	Rs.3672	Rs.51408/-
17 5.12	Providing and laying earth connection from earth electrode with 6 SWG dia. G.I wire in 15 mm G.I Pipe from earth electrode including connection with G.I thimble excavation and refilling as reqd.	140	Mtr.	Rs.134	Rs.18760/-
	LESS for by back old material				Rs.1528959/-

18 MR	Cost of dismantled material removed from type I and type II staff qtr. (56 qtr.) like wire, switch/socket/regulator, MCB, batten holder, DB etc. as reqd. at site	56 No	Each Flat	Rs.1000/-	(-) Rs.56000/-
					Rs.1472959/-

I/we quote _____ % above/ below on the estimated cost.

GST _____%

Grand Total Rs. _____

Grand total in words Rupees _____ only.

**Contractor's Signature
with Stamp**

Phone no. _____

Brief scope of work is as under:

1. Re-wiring/wiring for light /Fan point
2. Supplying/Laying of PVC conduit
3. Supplying/Fixing of Fittings
4. Supplying/Drawing of PVC insulated copper wire
5. Supplying/Fixing of S.P.M.C.B/D. B & D.P.M.C.B/D. B
6. Earthing
7. Back by for old wire/switches etc.

CONDITIONS

Name of Work: “Re-wiring of SOL staff qtrs. (D & E Block), Dhaka Complex, University of Delhi”

1. All materials to be used on the work shall be of reputed makes/ISI marked, as per the sample approved by the Engineer In charge /Competent authority.
2. Time allowed for the work starts from the 10th day after the date of written work order and the work will be completed within six months.
3. Cement required for the works will have to be arranged by the contractor, on his own cost.
4. All taxes as applicable shall be deducted from the bills of contractors.
5. The contractor will have to get samples of the material and all the fittings approved by the Engineer-in Charge/ Competent Authority or his representative in writing before using them of the work.
6. Before tendering/quotationing, the Bidder shall visit the site and satisfy himself as to the local conditions, the accessibility of the site of full extent and implication of the operation, the nature of the ground and supply conditions affecting labour and execution of the contract. No claim on these issues will be entertained.
7. Inconvenience of Public: The Contractor shall not allowed to deposit materials on any site which will cause inconvenience to the public. The contractor may require to remove any materials which are considered to be dangerous or inconvenient to the public or cause them to be removed, at the contractor’s cost as per direction of Engineer-in-charge/ Competent Authority. Works must be executed as per prevailing rules norms and guidelines of all statutory authorities.
8. The work shall be carried out as per latest CPWD specifications with relevant IS codes for works at Delhi, with up to date correction slips unless otherwise specified in the nomenclature of the individual item of work.
9. In case of error in description of any DSR item given in the attached schedule, the description given in the CPWD schedule of rates 2016 shall be final & no claim on account of error shall be entertained.
10. All existing services and ground of the plot (like storm water drains, water supply lines, sewer lines and approach roads etc.) will be kept by contractor in good order. Any damage to lawns, services, existing structure etc. during execution of work will have to be made good by the contractor at his own cost.
11. The contractor will co-operate with the other agencies working at the site/or in the surrounding area.
12. The successful contractor or his representative should be made available at work site execution every day during the execution of the work who will receive day to day instructions from the Engineer-In-Charge/ Competent Authority or his representative.

Signature of Contractor

13. The contractor has to make his own arrangement of T&P required for execution of the work and no claim will be admissible on this account.
14. The contractor shall obtain a valid license under the Contract Labour (R & A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provisions of the building and the other construction workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work. No labour below the age of fourteen years shall be employed on the work.
15. Before commencement of the work, the contractor shall submit completion programme of the assigned work so as to inform the Engineer in advance. The work shall be executed without inconvenience to the beneficiaries.
16. In case the work site is not made available to the contractor according to the programme, no claim will be admissible on this account.
17. The contractor shall have to get the site of work cleared during execution and / or on completion of work as per directions and to the satisfaction of Engineer in charge/Competent Authority.
18. Variation in excess of the work shall not be allowed without prior approval of the competent authority. It shall be the responsibility of the contractor to ensure that cost of the work is not increased beyond the award value.
19. The tender/quotation shall remain open for acceptance of the period of 60 days from the date of opening of tenders. If any Bidder withdraws his tender before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to the University, then the University without prejudice to any right or remedy be at liberty to forfeit the earnest money.
20. Conditional tenders/ quotations will not be accepted and will be rejected outright.
21. The acceptance of the tender/ quotation will be the university authorities who do not bind themselves to accept the lowest tender. The University authorities reserve the right to reject any or all the tenders without assigning any reason.
22. The work is to be executed as per layout given by the Engineer-in-charge/Competent Authority and the contractor shall restrict the work accordingly.
23. If the contractor has not carried out the work as per the CPWD manual no claim of payment is acceptable by the SOL authority.
24. At the time of billing the contractor will have to submit an Affidavit\undertaking regarding payment of labour has been done after the completion of work.

Signature of Contractor

25. All earth continuity conductors shall be connected to metal boards and their mountings by means suitable lugs (crimping type).
26. Watch and ward of the materials at site and E.I. will be the responsibility of the contractor till full testing of all the fittings are completed and handed over to the Resident/Care-taker in full and nothing extra will be paid on this account.
27. Persons executing the electrical work shall have the electrical license as required according to Indian Electricity rules.
28. The existing M.S box/other recessed fitting pipe should be checked, and defective box/pipe will be changed by New M.S box/pipe etc. rigidly fixed to the wall by means of bolts and nuts without causing damages to the buildings to the satisfaction of SOL authority.
29. Earthing shall be done in the presence of Engineer-In-Charge or his authorized representative.
30. The Contractor shall be fully responsible for the safe custody and proper storage of material at site to the satisfactions of the Engineer-in-Charge for which nothing extra will be paid.
31. All electric connections shall have to be done by the contractor and installation energized and set in working order before they can be accepted by Engineer-in-Charge.
32. If any damage is done to the building during the checking existing conduit, junction boxes etc. same will have to be made good by the contractor for which nothing extra will be paid.
33. The rate should be quoted after visiting the site, otherwise it will assumed that rates are quoted after visiting the site.
34. Arbitration in the event of any dispute arising under this agreement, the same shall be referred to sole arbitration of Executive Director, SOL. The agreement to appoint the arbitrator will be in accordance with Arbitration & Conciliation Act 1996. The award of arbitrator shall be final and binding on both the parties. The venue of the arbitration proceeding shall be the office of SOL, Delhi or such other place as the arbitrator may decide.
35. Force Majeure the right of the contractor to proceed with the work shall not be terminated because of any delay in the completion of the works due to unforeseen causes beyond the control and without the fault and negligence of the contractor including but not limited to the acts of God or of civil enemy, restraints of a sovereign state, floods, unusually severe weather conditions.
36. Court Jurisdiction it is also condition of this contract that the court which has territorial jurisdiction over Delhi shall have the absolute jurisdiction for adjudicating any difference or disputes arising out of this contract to the exclusion of all other courts.
37. Delay in the contractor's performance the work will be completed by the contractor in accordance with time schedule specified by the employer

in its work order. In case the work is not completed in the stipulated period, as indicated in the work order, employer reserves the right either to short close/ cancel the work order and/or recover liquidated damage charges. The cancellation/ short closing of the work order shall be at the risk and responsibility of the contractor and the employer reserves the right to get the balance work done at the risk and cost of the contractor.

38. The contractor will have to make proper arrangement for temporary lighting for ceiling fan/desert cooler and light point etc. as the requirement of allottees during **re-wiring** the electric wiring in staff qtrs.
39. The contractor will complete the rewiring in each staff qtrs. (Saturday & Sunday) on the same days to avoid inconvenience to the occupants failing which penalty will be imposed @ Rs.2,000/- per day/per staff qtr.
40. During execution the work, contractor may take full precaution if any things happen adverse. The Contractor will be responsible for any mis happenings.
41. Any part of the building damaged by the contractor during execution of re-wiring work will be got rectified by the contractor without any extra charges.
42. Every page should be signature with stamp by the contractor.

ASSISTANT REGISTRAR (GENERAL)

**Contractor's Signature
with Stamp**

Phone no. _____

**LIST OF RECOMMENDED MAKES OF MATERIAL
(ELECTRICAL WORK)**

The materials of the following make of first/ standard quality shall only be used in the work. In case if is established through that the brands specified below are not available in the market, the contractor shall submit proposal for alternative make for the approval of the University Engineer. However, tests prescribed in CPWD specifications – 2009 Vol- I & II with upto date correction slips should be carried out in all cases.

S.No	Material	Approved Make/ manufacture
1	Switch Fuse Unit (HRC Type)	Schnider/ GE/ L & T/ Siemens/ Havells
2	MCB's, MCCBs, RCCBs, ELCB's & MCB DBs	Legrand/ ABB/ L&T/ Siemens/ Hagger
3	LT XLPE Aluminium Armoured Cables upto 1100V	Havells/ Skytone/ Finolex
4	Air Circuit Breakers	L &T/ Siemens
5	Terminals	Elmex/ Technoplast
6	Lugs	Dowells/ Ismal
7	Glands	Gripwell/ Comet
8	Indicating Lamps	L & T/ Seimens/ Technique
9	Conduit P.V.C	AKG/ BEC
10	Indicating Instruments	Automatic Electric/ Rishab
11	Wire FRLS	Finolex/ Havells/ Polycab/ Skytone
12	Switch/ socket/ Fan Regulator	Anchor/ Legrand/ Crabtree/Cona/Stepwise
13	AC Box, RJ-11, RJ-45	HH Elecon/ HPL
14	Exhaust Fan	Almonard/ Orient
15	Fittings/Fancy light/Wall bracket	Philips/ CG
16	DLP	Siemens/ Legrand/ Hagger
17	Joints	VRNOS/ M-Seal
18	Motor/ Starter	L & T/ CG/ Beacon/ CH
19	LT Panels, Feeder Pillars etc.	Ambit, Trikolite/ KEPL/ Madhu Elect. /SPC/ Amptech/ Usha Power/Precision System Control
20	Power Capacitors	Crompton/Siemens /Apcos/ Khatou
21	HRC fuse Base & HRC Fuses	L & T/ GE/ Schneider/ HPL