

ENGINEERING DEPARTMENT
UNIVERSITY OF DELHI
DELHI-110007

REF.NO. CE/

/DU/EM- (2026-27)

Dated-

NOTICE INVITING e-TENDER

1. Online bids are invited from the registered contractor with C.P.W.D./ M.E.S./ Railways/ Delhi PWDs /working contractor for Delhi University in appropriate Categories and class with two bid systems for: **Making provision of octagonal street light pole, replacement of defective feeder pillar including earthing and Electrical maintenance work to be carried out in 82 student rooms, common rooms at Ambedkar-Ganguly Students' House for Women, Dhaka complex, University of Delhi** Manual /Offline bids will not be accepted.
2. Tender documents may be downloaded from Delhi University website www.du.ac.in (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in as under.

Publishing Date	08-05-2026 (06:00 PM)
Bid Document Download / Sale Start Date	08-05-2026 (06:00 PM)
Estimate Cost	Rs.57,12,103/-
EMD (The EMD should be submitted in the office of Chief Engineer before the last date and time of submission Of bid over e-portal.	Rs.1,14,242/-
Tender Fee	Rs.1000/-
Completion Time	90 Days
Bid Submission start date	08-05-2026 (06:00 PM)
Bid Submission end date	28-05-2026 (01:00 PM)
Technical Bid Opening date	29-05-2026 (01:00 PM)
Financial Bid Opening Date	To be intimated later on website

3. <https://eprocure.gov.in/eprocure/app>. Bidders/Contractors are advised to follow the instructions provided in the 'Instructions to the Contractors/Bidders 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.

4. Not more than one tender shall be submitted by one contractor 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.

5. 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 tender 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.
6. 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.
7. **Mode of payment for tender /quotation fee:** - The bidder shall furnish the tender /quotation fee of **Rs.1000/-** in following manner:

STEPS TO BE FOLLOWED FOR ONLINE PAYMENT

(Tender Fee/EMD/Performance Guaranty etc. for Tenders of Engineering Department)

The Agencies are advised to follow the steps given below for online payment of Quotation/ Tender fee.

STEP 1 : Connect to “misconlinefee.du.ac.in”

STEP 2 : Click on “Miscellaneous fee”

MISCELLANEOUS FEE

Name (Name of Agency)

Email

Mobile

Fee

Item Count (Item count should always be 1)

Please provide details of the fee (exam type, paper no. etc)

STEP 3 : The fees selection for Rs 150 is “Tender Fee (upto 1 lakh Tender Value)(Chief Engineer,)” ;for Rs. 500 “Tender fee (more than 1 lakh upto 20 lakhs tender value)(Chief Engineer,)” and for Rs 1000 ”Tender fee (more than 20 lakhs Tender Value) (Chief Engineer,)”

STEP 4 : fill up the above details and Type tender ID in “**Please provide details of the fee (exam type, paper no. etc)**” column (eg.Tender ID 2021_DU_123456_1)

STEP 5 : click on “save”

STEP 6 : follow the instructions as per site

***Note*- The e-mail address and mobile number should be functional as after saving the above OTP will be received above mentioned details. In case the payment receipt is not displayed after payment, confirmation/ payment receipt can be received after through “Track your Payment” option.**

Deposit the prescribed Quotation/Tender fee etc. (as inscribed on the Tender /bid) online at the payment Gateway before the bid closure time & date. In case if are unable to get the receipt after payment, you may click on the option “track my payment”.

8. **BID Security / EMD:** The bidder should submitted the EMD of **Rs.1,14,242/-** to the office of The Chief Engineer, before the last date and time of submission of bid over e-portal . The bidder should obtain the receipt of the deposition of original EMD as per annexure “B” (the receipt copy is to be furnished and to be filed by the bidder before submission to the concerned office.)
 - (a) FDR/TDR issued by any Nationalized/Scheduled Bank drawn in favour of “Registrar, University of Delhi, payable at Delhi,
9. Bids will be opened as per date/time as mentioned above. After online opening of Technical-Bid the financial bid of eligible bidders will be opened and the date and time will be mentioned on the e-portal.

(The copy of receipt of depositing of Original EMD from the office of the Chief Engineer, Engineering Department, University of Delhi, Delhi-110007 in the prescribed Performa attached as below)

Receipt of deposition of original EMD

Receipt no. / date

1. **Name of work:** Making provision of octagonal street light pole, replacement of defective feeder pillar including earthing and Electrical maintenance work to be carried out in 82 student rooms, common rooms at Ambedkar-Ganguly Students' House for Women, Dhaka complex, University of Delhi
2. **Estimated cost:** Rs.57,12,103/-
3. **EMD Cost:** Rs.1,14,242/-
4. **Tender ID No.**
5. **Ref. No.**

Last ate of submission of bid upto Hrs.

1. Name of contractor
2. Form of EMD
3. Amount of Earnest Money Deposit
4. Date of submission of EMD and time

Signature,
Name and Designation of EMD receiving officer along with office stamp
(to be filled by EMD receiving officer)

Content:

1. Instructions for online bid submission
2. Eligibility Requirements
3. Technical Bid
4. Price Bid Undertaking and schedule / BOQ
5. Scope of work
6. Conditions
7. Special Conditions
8. 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 (ie 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/Delhi PWD/ working contractor of 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 Card
 - ii. Latest Income Tax Return (Assessment Year 2024-25 or onwards)
 - iii. GST Registration
 - iv. GST Return of month **March 2026** or onwards
 - v. ESIC Registration along with copy of latest ESI return of month **March 2026** or onwards
 - vi. EPFO Registration along with copy of latest EPF returns/ECR of month **March 2026** or onwards
 - vii. Registration with Labour Department from Central Govt (Establishment Profile)
 - viii. Power of attorney / Authority letter in case person other than the bidder has signed the tender documents.
4. Technical bid and price bid undertaking form should be duly filled in.
5. The bidder/ contractor should submit the Tender Fee and upload the EMD Declaration as per the details given in the NIT. The scanned copy of acknowledgement / receipt of online payment should be uploaded along with other documents.
6. The bidder should upload the scanned copies of all the documents during online bid submission.
7. Copy of valid Electrical Contractor License (For electrical work)
8. The official of DU shall visit the site of works carried out by agency before opening the financial bid
9. The bidder / contractor should upload the copy of three similar works each of value not less than 40% or two similar works each costing not less than 60% one similar work of value not less than 80% of this tender value i.e. on **Rs.57,12,103/-** executed in last 7 years ending provision day of last date of submission of bids

Technical Bid Documents:

Scanned copies (true copies) of the following documents are to be uploaded / furnished by the bidder / contractor along with Technical Bid

1. Copy of registration with CPWD/ MES/ Railways/Delhi PWD / working contractor of Delhi University in appropriate category & class.
2. Undertaking stating the bidder/ contractor has not been black listed from any authorities.
3. Copies of the following documents.
 - i. PAN Card
 - ii. Latest Income Tax Return / Clearance (Assessment year 2024-25 or onwards)
 - iii. GST Registration
 - iv. GST Return of month **March 2026** or onwards
 - v. ESIC Registration along with copy of latest EPF returns/ECR of month **March 2026** or onwards
 - vi. EPFO Registration and latest return/ ECR of month **March 2026** or onwards
 - vii. Registration with Labour Department from Central Govt. (Establishment Profile)
 - viii. Power of attorney / Authority letter in case person other than the bidder has signed the tender documents.
 - ix. Price Bid Undertaking duly filled and signed.
 - x. Copy of valid Electrical Contractor License (For electrical work)
 - xi. Copy of acknowledgement /receipt of online for payment of tender fees.
 - xii. The official of DU shall visit the site of works carried out by agency before opening the financial bid
 - xiii. The bidder / contractor should upload the copy of three similar works each of value not less than 40% or two similar works each costing not less than 60% one similar work of value not less than 80% of this tender value i.e. on **Rs.57,12,103/-** executed in last 7 years ending provision day of last date of submission of bids

N.B. The bidder / contractor who fail to comply with any of the above requirements / documents will be disqualified and their financial bid will not be considered / opened.

PRICE BID

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ_XXXX .xls

PRICE BID UNDERTAKING

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

To,

Dear Sir/Madam,

1. I submit the Price Bid for “Making provision of octagonal street light pole, replacement of defective feeder pillar including earthing and Electrical maintenance work to be carried out in 82 student rooms, common rooms at Ambedkar-Ganguly Students' House for Women, Dhaka complex, University of Delhi “ 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, BOQ inclusive of all applicable taxes.
4. I am / we are not blacklisted in any authorities/ Departments.

Yours Faithfully,

Signature of the Authorized Representative

[Validate](#)[Print](#)[Help](#)

Tender Inviting Authority: Engineering Department, University of Delhi.

Name of Work: Making provision of octagonal street light pole, replacement of defective feeder pillar including earthing and Electrical maintenance work to be carried out in 82 student rooms, common rooms at Ambedkar-Ganguly Students' House for Women, Dhaka complex, University of Delhi

Contract No: CE/ET- 64 /DU/EM- (2026-27) dated:- 08-05-2026

Bidder Name :

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
1.00	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
1.01	3 Module (100mmX75mm)	10.00	Each	327.00	3270.00	INR Three Thousand Two Hundred & Seventy Only
1.02	6 Moudle (200mmX75mm)	110.00	Each	402.00	44220.00	INR Forty Four Thousand Two Hundred & Twenty Only
1.03	8 Module (125mmX125mm)	10.00	Each	454.00	4540.00	INR Four Thousand Five Hundred & Forty Only
1.04	12 Module (200mmX150mm)	100.00	Each	547.00	54700.00	INR Fifty Four Thousand Seven Hundred Only
2.00	Rewiring for light point/ fan point/ exhaust fan point/ call bell 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/PVC conduit including dismantling as required.					
2.01	Group A	400.00	Point	574.00	229600.00	INR Two Lakh Twenty Nine Thousand Six Hundred Only
3.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
3.01	5/6 A switch	600.00	Each	103.00	61800.00	INR Sixty One Thousand Eight Hundred Only

3.02	3 pin 5/6 A socket outlet	110.00	Each	122.00	13420.00	INR Thirteen Thousand Four Hundred & Twenty Only
3.03	15/16 A switch	220.00	Each	156.00	34320.00	INR Thirty Four Thousand Three Hundred & Twenty Only
3.04	6 pin 15/16 A socket outlet	220.00	Each	197.00	43340.00	INR Forty Three Thousand Three Hundred & Forty Only
4.00	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	110.00	Each	369.00	40590.00	INR Forty Thousand Five Hundred & Ninety Only
5.00	Supplying and fixing brass batten/ angle holder (PVC) including connection etc. as required.	200.00	Each	131.00	26200.00	INR Twenty Six Thousand Two Hundred Only
6.00	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	20.00	Each	87.00	1740.00	INR One Thousand Seven Hundred & Forty Only
7.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
7.01	Group A	50.00	Point	1,015.00	50750.00	INR Fifty Thousand Seven Hundred & Fifty Only
8.00	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.					
8.01	Group A	30.00	Point	777.00	23310.00	INR Twenty Three Thousand Three Hundred & Ten Only

9.00	Supplying and fixing of following sizes of heavy class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
9.01	20 mm	100.00	Metre	128.00	12800.00	INR Twelve Thousand Eight Hundred Only
9.02	25 mm	100.00	Metre	145.00	14500.00	INR Fourteen Thousand Five Hundred Only
10.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
10.01	2X10 sq. mm +1 X 6 sq. mm earth wire	50.00	Metre	570.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
11.00	Supplying and fixing modular bl modular plate & switch box excl required.	150.00	Each	40.00	6000.00	INR Six Thousand Only
12.00	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					
12.01	1x 1.5sq.mm	5,700.00	Metre	45.00	256500.00	INR Two Lakh Fifty Six Thousand Five Hundred Only
12.02	2x 2.5sq.mm	2,500.00	Metre	98.00	245000.00	INR Two Lakh Forty Five Thousand Only
12.03	2x 4sq.mm	3,200.00	Metre	147.00	470400.00	INR Four Lakh Seventy Thousand Four Hundred Only

13.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.					
13.01	Single pole	64.00	Each	256.00	16384.00	INR Sixteen Thousand Three Hundred & Eighty Four Only
13.02	Double pole	12.00	Each	656.00	7872.00	INR Seven Thousand Eight Hundred & Seventy Two Only
14.00	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	50.00	Each	13.00	650.00	INR Six Hundred & Fifty Only
15.00	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	110.00	Each	2,730.00	300300.00	INR Three Lakh Three Hundred Only
16.00	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					

16.01	8 way (4 + 24), Double door	2.00	Each	5,967.00	11934.00	INR Eleven Thousand Nine Hundred & Thirty Four Only
17.00	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
17.01	63 A	2.00	Each	1,034.00	2068.00	INR Two Thousand & Sixty Eight Only
18.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.					
18.01	Single pole	48.00	Each	256.00	12288.00	INR Twelve Thousand Two Hundred & Eighty Eight Only
19.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4.00	Each	6,885.00	27540.00	INR Twenty Seven Thousand Five Hundred & Forty Only
20.00	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	350.00	Metre	51.00	17850.00	INR Seventeen Thousand Eight Hundred & Fifty Only
21.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, refilling the trench etc as required.					
21.01	Upto 35 sq. mm	350.00	Metre	387.00	135450.00	INR One Lakh Thirty Five Thousand Four Hundred & Fifty Only
21.02	Above 185 sq. mm and upto 400 sq. mm	300.00	Metre	474.00	142200.00	INR One Lakh Forty Two Thousand Two Hundred Only

22.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
22.01	4 X 16 sq. mm (28mm)	4.00	Each	309.00	1236.00	INR One Thousand Two Hundred & Thirty Six Only
23.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.					
23.01	63 mm dia (OD-63 mm & ID-51 mm nominal)	60.00	Metre	247.00	14820.00	INR Fourteen Thousand Eight Hundred & Twenty Only
24.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
24.01	3.5 X 300 sq. mm (70mm)	4.00	Each	1,195.00	4780.00	INR Four Thousand Seven Hundred & Eighty Only
25.00	Supply, Installation, testing and commissioning of pre-wired, single box fitting with one no. LED tube of frosted cover design, 18 Watt, 2100 lm, 50000 burning hours, size 1200 mm complete i/c all accessories etc. directly on ceiling/wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor cable and earthing etc. as required. fitting equivalent to Philips Make, Cat No. TMC 502 1xT-LED 22W, Tube equivalent to Philips Make, Cat No. Mas LEDTube 1200mm 18W 865 T8I-2100lm.	100.00	Each	1,655.00	165500.00	INR One Lakh Sixty Five Thousand Five Hundred Only

26.00	Supply, Installation, testing and commissioning of pre-wired, double box fitting with two no. LED tube of frosted cover design, 18 Watt, 2100 lm, 50000 burning hours, size 1200 mm complete i/c all accessories etc. directly on ceiling/wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor cable and earthing etc. as required. fitting equivalent to Philips Make, Cat No. TMC 502 2xT-LED 22W, Tube equivalent to Philips Make, Cat No. Mas LEDTube 1200mm 18W 865 T8I-2100lm.	10.00	Each	2,652.00	26520.00	INR Twenty Six Thousand Five Hundred & Twenty Only
27.00	Supply, Installation, testing and commissioning of one no. LED tube of frosted cover design, 18 Watt, 2100 lm, 50000 burning hours, size 1200 mm in existing single box or double box fittings complete as required. Tube equivalent to Philips Make, Cat No. Mas LEDTube 1200mm 18W 865 T8I-2100lm	20.00	Each	847.00	16940.00	INR Sixteen Thousand Nine Hundred & Forty Only
28.00	Supply, Installation, testing and commissioning of 15 watt, ceiling circular light for commercial grade, surge protection upto 3 kV & wide voltage protection 160-360 V, 50 Hz complete i/c all accessories etc. directly on recess including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor cable and earthing, minimum 110 lm/watt etc. as required. Make philips, Cat No. Astra sleek 15W, WW/NW/CDL or equivalent model of Thorn/Trilux	40.00	Each	905.00	36200.00	INR Thirty Six Thousand Two Hundred Only
29.00	Supplying and Fixing of snap-on DLP trunking of size 80mm x 50 mm with cover and including accessories such as Flat angle. end caps, internal/external angle support etc. on the wall/surface complete all as required.	100.00	Metre	1,810.00	181000.00	INR One Lakh Eighty One Thousand Only

30.00	Supply, Installation, testing and commissioning of pre-wired, 150 watt, flood light Pressure die-cast aluminium housing with high impact resistance (IK07) glass cover IP66 protection, 130lm/w, 220-240 V, 50 Hz on existig street light pole/wall including all accessories and connection etc.as required..Philips Make, Cat No. BVP 192 LED 177 CW NB FG A1 PSU GR or equivalent model of Thorn/Trilux	2.00	Each	23,989.0 0	47978.00	INR Forty Seven Thousand Nine Hundred & Seventy Eight Only
31.00	Supply, Installation, testing and commissioning of pre-wired, 150 watt, street light delivering 120 lumen/watt, IP66 protection, PDC housing and high impact resistance(IK07) glass cover luminaire 220-240 V, 50 Hz on existig street light pole/wall including all accessories and connection etc.as required. Equivalent to Philips Make, Philips Make, Cat No. BRP335 LED180 CW R5C FG PSU S1 V1 or equivalent model of Thorn/Trilux	18.00	Nos.	16,199.0 0	291582.00	INR Two Lakh Ninety One Thousand Five Hundred & Eighty Two Only
32.00	Supply, erection, Testing and comissioning of hot dip galvanized octagonal steel pole of 5 Metre height made out of 3mm thick sheet PCD 200 mm, having bottom 130mm A/F & top 70mm A/F with built in connector box of size 500 mm length, M.S. base plate of size 200mm x 200mm x12mm thick to accommodate the fitting on existing RCC foundation including Supply and fixing of 4 Nos. M-16 x 450mm long J Type (EN-8 grade) G.I. foundation bolts, 12 Nos. of Nut, 4 Nos. of washer along with suitable size templates, making connections, interconnections with suitable size of copper wire with timble/lugs in the connection box, earthing, making numbering of pole etc. complete as per drawing & technical specifications attached including following accessories mounted on inbuilt control box having flush cover with 2 Nos mounting strips with tapped holes					

	(a) 6mm thick phjenolic laminated sheet/ bakelite sheet inside the window mounted on the existing mounting strips inside the flush door (b) Supply and fixing of Teriminal block suitable for 16 sq. mm conductor 4 Nos. & shorting links - 5 Nos. on DIN Chneels (c) Terminal suitable for 6 SWG GI Wire/ 1.5 sq. mm wire (d) 6 Amp SPMCB 10 KA 'C' Series - 1 No. including mounting on DIN This includes making of foundation of size 1200 mm x 400 mm x 400 mm made of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) with proision of IN and OUT slot for cable entry including excavation and refilling etc. as required. (Make : Bajaj/ Transrail/Jindal/Tata)					
32.01	5 Metre height	15.00	Nos.	26,779.00	401685.00	INR Four Lakh One Thousand Six Hundred & Eighty Five Only
33.00	Supply, erection, Testing and comissioning of hot dip galvanized octagonal steel pole of 3 Metre height made out of 3mm thick sheet PCD 200 mm, having bottom 130mm A/F & top 70mm A/F with built in connector box of size 500 mm length, M.S. base plate of size 200mm x 200mm x12mm thick to accommodate the fitting on existing RCC foundation including Supply and fixing of 4 Nos. M-16 x 450mm long J Type (EN-8 grade) G.I. foundation bolts, 12 Nos. of Nut, 4 Nos. of washer along with suitable size templates, making connections, interconnections with suitable size of copper wire with timble/lugs in the connection box, earthing, making numbering of pole etc. complete as per drawing & technical specifications attached including following accessories mounted on inbuilt control box having flush cover with 2 Nos mounting strips with tapped holes .					
	(a) 6mm thick phjenolic laminated sheet/ bakelite sheet inside the window mounted on the existing mounting strips inside the flush door (b) Supply and fixing of Teriminal block suitable for 16 sq. mm conductor 4 Nos. & shorting links - 5 Nos. on DIN Chneels (c) Terminal suitable for 6 SWG GI Wire/ 1.5 sq. mm					

	wire. (d) 6 Amp SPMCB 10 KA 'C' Series - 1 No. including mounting on DIN Channel. This includes making of foundation of size 1200 mm x 400 mm x 400 mm made of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) with provision of IN and OUT slot for cable entry including excavation and refilling etc. as required. (Make : Bajaj/ Transrail/Jindal/Tata)					
33.01	3 Metre height	5.00	Nos.	20,438.00	102190.00	INR One Lakh Two Thousand One Hundred & Ninety Only
34.00	Supplying of one number PVC insulated and PVC sheathed / XLPE copper conductor un armoured power cable of 650/1100 KV grade of size 3C x 2.5 sqmm etc as required.	150.00	Metre	340.00	51000.00	INR Fifty One Thousand Only
35.00	Supplying of one number PVC in XLPE aluminium conductor armc grade of size 4C X 16 sqmm etc	350.00	Metre	384.00	134400.00	INR One Lakh Thirty Four Thousand Four Hundred Only
36.00	Supplying and Fixing of 500 mm bracket made of suitable dia G. dia G I Pole including Nut bolts (Paruthi/ Surya)					
36.01	Double Arm Bracket	3.00	Nos.	4,467.00	13401.00	INR Thirteen Thousand Four Hundred & One Only
36.02	Single Arm Bracket	12.00	Nos.	3,191.00	38292.00	INR Thirty Eight Thousand Two Hundred & Ninety Two Only

37.00	Supply, Installation, testing and commissioning of pre-wired, 45 watt, IP 65, Post top lantern light have symmetric light distribution, 220-240 V, 50 Hz complete i/c all accessories etc. directly on surface including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor cable and earthing etc. as required. Make Philips Uniscape Model, Cat No. BGP200 LED45 CW PSU GR CPC SPD or equivalent model of Thorn/Trilux	5.00	Each	12,461.00	62305.00	INR Sixty Two Thousand Three Hundred & Five Only
38.00	Replacemnt of 630 A Rating, 50 KA braking capacity , 4 pole MCCB with microprocessor release (Make Legrand, Cat No. , DPX^3, 422075) and terminal sreaders in existing cubical panel board including drilling holes in cubical panel connections, etc. as required	1.00	Each	67,049.00	67049.00	INR Sixty Seven Thousand &Forty Nine Only
39.00	Supply, erection, testing and commissioning of 415V, 3 phase 4 wire 50 Hz , cubical type feeder pillar, IP 65 (outdoor type) dust and vermin proof, fabricated CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having capacity extensible type DMC / SMC FP bus bars of high conductivity, DMC/ SMC bus bar supports , bottom base channel of MS section of suitable size, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of bus bars etc. complete in all respect as per CPWD specification complete with necessary accessories, wiring with 2.5 sq. mm. FRLSH insulated copper conductor , cable alleys, and following incoming and outgoing switchgears with protection and metering etc.as required at site. All MCCBs above 63A should be provided with Spreader Terminals. Approval shall be taken for each panel before fabrication.					

	Incomer 630A FP MCCB (36kA) with Microprocessor based O/L & S/C E/F protection, Direct rotary handle -, Incomer should be Suitable for cable termination. RYB on, off trip indication lamp-1 set., Multi- Function Meter with CT- 600/5A 15 VA CL-1, 6A SP 10 KA MCB 1 Nos. Busbar 800A TPN Al busbar Extensible type Outgoing : 1. 400A FP MCCB (36kA) Microprocessor Based O/L & S/C E/F direct rotary handle and spreders link protection -1 Nos. 2. 100A FP MCCB thermal magnetic based with O/L & S/C protection and direct rotary handle, spreders link (25kA)-5 Nos. 3. 63A TPN MCB (10kA) -2 Nos. 4. 40A DP MCB (10kA) -6 Nos. Connecting terminal (Inside cable alley) of all MCB should be suitable for connection with Aluminium armoured cable upto size 16 sqmm.	1.00	Each	5,76,389 .00	576389.00	INR Five Lakh Seventy Six Thousand Three Hundred & Eighty Nine Only
40.00	Supplying of one number PVC insulated and PVC sheathed / XLPE aluminium conductor armoured power cable of 1.1 KV grade of size 3.5C X 300 sqmm etc as required.	300.00	Meter	3,796.00	1138800.00	INR Eleven Lakh Thirty Eight Thousand Eight Hundred Only
Total in Figures	.				5712103.00	INR Fifty Seven Lakh Twelve Thousand One Hundred & Three Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words					INR Zero Only	

Brief scope of work is as under:

1. Replacement of piano type switch sockets into modular switch sockets.
2. Replacement of conventional type fan into BLDC fan.
3. Replacement of faulty MCB, DB, steel conduits, wiring, submain, light fixture etc.
4. Replacement of defective street light poles with GI octagonal pole, LED Lights and SITC of earthing system.
5. Replacement of defective power cables.
6. Replacement of defective feeder pillar, MCCB etc.
7. S/f of modular GI Box
8. Rewiring for light point, fan point, exhaust fan point, call bell point.
9. S/F of Modular switch socket, Modular striking plate.
10. S/F of stepped fan regulator, Batten holder, Ceiling rose.
11. SITC of BLDC fans.
12. Wiring / Laying (loop control) for light point, fan point, exhaust.
13. S/F of heavy duty PVC conduit 20mm, 25mm.
14. Wiring for Ckt / submain 2x10 + 1x6 sqmm.
15. S/D of 1x1.5, 2x2.5, 2x4, 2x6 FRIs wire
16. S/F of 6A to 32A rating 240/415V 10kA "C curve", single pole & SPN.
17. S/F of MCB, DB, 12-way, 8-way
18. S/M end termination & laying of power cables 3.5x300
19. S/L of DWC HDPE pipe.
20. SITC of prewired single box fitting.
21. SITC of one no. LED tube.
22. SITC of 15W ceiling circular
23. S/F of snap on DLP 80mmx50mm
24. SITC of 150W flood light
25. SITC of 100W street light
26. S/F of single arm & Double Arm bracket

CONDITIONS

Name of Work: **Making provision of octagonal street light pole, replacement of defective feeder pillar including earthing and Electrical maintenance work to be carried out in 82 student rooms, common rooms at Ambedkar-Ganguly Students' House for Women, 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.
2. If the agency fail to complete the work within the specified /schedule time. The University reserve the right to reject their bid
3. Time allowed for the work from the day after the date of written order to commence the work will be **90 days**
4. Water and electricity required for the work will be allowed to the contractor for use and 1.5% of the full cost of work done will be recovered
5. Cement required for the works will have to be arranged by the contractor, and his own cost.
6. All taxes as applicable shall be deducted from the bills of contractors.
7. The contractor will have to get samples of material and all fittings approved by the Engineer-in-Charge or his representative before using them at site.
8. The successful contractor will have to execute or agreement with the University Authorities on the University Printed Form which can be seen before tendering in the office of the undersigned. Clause 10 CC shall not be applicable for this work.
9. Before tendering, 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.
10. Inconvenience of Public: The Contractor shall not 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. Works must be executed as per prevailing rules norms and guidelines of all statutory authorities.
11. In case of error in description of any DSR item given in the attached schedule, the description given in the CPWD schedule of rates 2022 shall be final & no claim on account of error shall be entertained.
12. 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.
13. The contractor will co-operate with the other agencies working at the site/or in the surrounding area.
14. 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 or his representative.
15. 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.

16. The contractor should submit the following documents along with the tender:
 - (a) Registration in Labour Department from Central Govt.
 - (b) Registration with (a) EPFO (b) ESIC.
17. 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.
18. Before commencement of the work, the contractor shall submit completion program of the assigned work so as to inform the Executive Engineer in advance. The work shall be executed without inconvenience to the beneficiaries.
19. In case the work site is not made available to the contractor according the program, no claim will be admissible on this account.
20. All doors, windows, floors, furniture, electrical fitting and other articles shall be protected from Splashes and droppings of white/colour washing, distempering, painting etc. on wall, floors, doors, window, furniture etc. the same shall be removed by the contractor at his own cost failing which the Engineer in charge shall have the right to get this work done at the risk and cost of the contractor.
21. 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.
22. Conditional tenders / quotations will not be accepted and will be rejected outright.
23. 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.
24. The tender 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.
25. The University authorities reserve the right to reject any or all the tenders without assigning any reason.
26. The contractor shall sign all pages of the tender documents including these conditions. Incomplete tenders are likely to be rejected.
27. The Contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of irrevocable bank guarantee bond of any scheduled bank or state bank of in accordance with the form prescribed or n the form of Govt. Security, fixed deposit receipt etc. as in the case of recovery of security deposit within 15 days of the issue of letter of intent but before award or work. This period can be further extended by the Engineer-In-Charge up to a maximum period of 7 days on written request of the contractor.
28. The work is to be executed as per layout given by the Engineer-in-charge and the contractor shall restrict the work accordingly.
29. After the award of work and agreement will be as per the general condition of contract of work of University of Delhi, which can be seen from the office of University Engineer.

30. If the contract has not carried out the work as per the CPWD specification no claim of payment is acceptable.
31. 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.
32. 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 department in full and nothing extra will be paid on this account.
33. 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.
34. 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.
35. 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
36. Persons executing the electrical work shall have the electrical license as required according to Indian Electricity rules
37. The board shall be rigidly fixed to the wall by means of bolts and nuts without causing damaged to the buildings.
38. All electric connection 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.
39. The contractor will be fully responsible for any accident during execution of work including third party.
40. All earth continuity conductors shall be connected to metal boards and their mountings by means suitable lugs (Crimping type)
41. The Arbitration shall be conducted in accordance with the provisions of the arbitrator and conciliation Act, 1996 (26 of 1996) or any statutory modifications or reenactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding. It is also a term of the contract that,

if any fees are payable to the arbitrator these shall be paid equally by both the parties
42. The agency will have the insurance policy of the workers and third party for the minimum period of one year /contract period whichever is later
- 43) CPWD norms/ amendment issued time to time will be followed rigidly in toto for extra item/ deviation/ Substituted items etc.

(Executive Engineer)

SPECIAL CONDITION

Clause 12 shall be read as under:

CLAUSE 12. The Engineer -in charge shall have power to make any alterations in , omissions from, additions to or substitutions for , the original specifications , drawings, designs and instructions, that may appear to him to be necessary during the progress of the work , and the contractor shall carry out the work in accordance with and instructions which may be given to him in writing signed by the Engineer -in charge , and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered , additions or substituted work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The time of the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work, and the certificate of the Engineer -in charge shall be conclusive as to such to proportion. Over and above this, a further period to the extent of 25 per cent of the time as extended shall be allowed to the contractor. The rates for such additional, altered or substituted work under this clause shall be worked out accordance with the following provisions in their respective order:

- (i) If the rates for the additional , altered , substituted work are specified in the contract for the work, the contractor is bound to carry out the additional , altered or substituted work, at the same rates are as specified in the contract for the work .
- (ii) If the rates for the additional, altered, substituted work are not specifically provided in the contract for the work, the rates will be derived from rates for a similar class of work as are specified in the contract for the work.
- (iii) If the altered , additional or substituted work includes any work for which no rates is specified in the contract for the work cannot be derived from the similar class of work in the contract , than such work shall be carried out the rates entered in C.P.W.D. Schedule of Rates for Delhi 2022 Minus/ plus which the total Bidder amount bears to the estimated cost of the entire work put to tender.
- (iv) It the rates for the altered , additional or substituted work cannot be determined in the manner specified in sub- clause (i) to (iv)above then the contractor shall, within 7 days of the date of receipt of order to carry out the work , inform the Engineer - In charge of the rate which it is his intention to charge for such class of work, supported by analysis of the rate or rates claimed, and the Engineer - in charge shall determine the rate or rates on the basis of prevailing market rates, and pay the contractor accordingly. However the Engineer - in charge by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable . But under no circumstances, the contractor shall suspend the work on the plea of non- settlement of rates of items falling under the clause.
- v) CPWD norms/ amendment issued time to time will be followed rigidly in toto for extra item/ deviation/ Substituted items etc.

(Executive Engineer)

List of Approved Make (E&M)

Sl. No.	Description of item	Approved Makes/ Manufacturer
1.	MS conduit pipe and accessories	AKG/ BEC/ NIC
2.	PVC conduit pipe and accessories (Heavy duty)	AKG/ BEC/ Astral
3.	PVC insulated copper wire (FRLS/HFFR Type with ISI marked)	Finolex/ Havells/ RR Kabel / National/ KEI
4.	Modular Switches & Sockets, Fan Regulator, RJ-45(cat-6), RJ-11 outlets including modular boxes and plates	Legrand/ Northwest (Convex Series)/ Clipsal/ Honeywell (Blenze plus)
5.	MCCB, MCBs, RCCB, RCBO, MCB DBs, Contactor, ACB, Change over Switch, Timer, Industrial Sockets and accessories	Legrand/ Siemens/ Lauritz Knudsen/ Schneider / ABB /Hager
6.	LED Luminaires (Commercial series)	Philips/ Thorne/ Trilux
7.	Ceiling fan, Exhaust Fan, Cabin Fan, Wall Fan	Atomberg / Crompton / Havells/ Almonard
8.	GI Raceway	Legrand/ ABB/ Schneider/ Honeywell
9.	Cable Tray	Venus/ Honeywell/ Anchor/ BEC
10.	Occupancy Sensor	Philips/ Legrand/ Honeywell / Siemen/ Schneider
11.	DWC, HDPE Pipe	Dura-Line/ Rex/ Plato/ Tirupati/ Finolex/ Jindal
12.	Cable lugs, Glands	Dowells/ Gripwel/ Johnsons/ Comet/ Asian
13.	Cables	Havells/ Finolex/ National/ RR Kabel/ CCI
14.	Joints, End termination	3M / M-Seal/ Raychem/ Venus/ Cabseal/ Johnson
15.	Rising main, Bus Duct	Schneider/ Siemens/ Legrand/ Lauritz Knudsen
16.	Panel accessories, indicator lamp, selector switch, push button, contactor, relay, METER, Single Phase Preventer, Electrical Measuring Instruments	Siemens / Schneider / Lauritz Knudsen / Minilec / Salzer/ Trinity
17.	Electrical MV panel and APFC Panel	Lauritz Knudsen / Siemens/ ABB/ Schneider/ System Houses of above Make / Tricolite / Advance/ Adlec/ Milestone/ Precision/ Advance/ Advance Power/ Neptune/ Ambit Switchgear
18.	Current Transformer and Potential Transformer	Kappa/ AE/ BCH
19.	Battery	Exide/ Amaron/ Luminous
20.	UPS	Vertiv/ Numeric/ ABB/ Eaton/ Delta/ APC
21.	LED Display Panel	Samsung/ Panasonic/ Sony/ LG
22.	CO Sensors	Dwyer / Kele /TAC /Honeywell
23.	Pumps	KSB/ Grundfos/ Mody/ Crompton/ CRI/ Beacon/ ABB/ Xylem
24.	VRV, VRF, Chiller,	Daikin/ Carrier/ O-General/ Mitsubishi Electric/ Bluestar/ Dunham-Bush/ Trane/

Sl. No.	Description of item	Approved Makes/ Manufacturer
		York
25.	Split AC, Window AC, Tower AC	Hitachi/ O-General/ Mitsubishi Electric / Daikin/ Voltas/ Carrier/ Bluestar
26.	Precision Air Conditioning System	Vertiv/ Daikin/ Schneider
27.	PVC Pipe	Astral/ Supreme/ Finolex
28.	Water meter, Flow meter, Actuator, Motorized Valve, Temperature sensor, Flow sensor, Pressure switch,	Belimo/ Danfoss/ ABB/ Schneider
29.	Copper Tube	Totaline/ Mandev/ Mexflow/ Parasmani Tubes/ Tamra
30.	Rubber Nitrile Insulation	Armaflex/ Armacell / Elastomeric/ K-Flex/ O-Flex
31.	HVAC Duct (Factory fabricated)	Rollastar/ Waves/ Zeco/ Ductofab
32.	Ducting GI Sheets	SAIL/ NIPPON / Tata / Jindal /JSW
33.	Dampers, Grills, Diffuser	System Air/ Caryaire/ Ruskin/ Trox
34.	Axial Fans	Greenheck/ Kruger/ Systemair/ Caryaire/ Flakt
35.	Variable Frequency Drives	Danfoss/ ABB/ Schneider/ Lauritz Knudsen/ Siemens
36.	Wet/ Dry scrubber Unit, AHU, FCU	Citizen/ Zeco/ Edgetech/ Delta
37.	MS/GI Pipe all class	Jindal/ Tata/ SAIL
38.	PVC/CPVC/UPVC PIPE	Astral/ Supreme/ Finolex
39.	Sprinkler, Flexible pipe	Naffco/ Tyco/ Victaulic/ Lifeguard
40.	Valve, Stainer	Zoloto/ Sant/ Audco/ Kirloskar/ Leader
41.	Fire Extinguishers of All type	Minimax/ Cease Fire/ Lifeguard/ Safex/ firefite
42.	Fire Alarm Panel, Repeater Panel, Detectors, RI, FI, Control Module, Monitor module, MCP, Horn cum strobe	Honeywell (Notifier)/ Edwards/ Bosch/ Siemens/ Agni/ (UL Listed)
43.	Digital Delegate, Chairman Unit, Audio Conference Controller, Digital Interface Unit	BOSCH/ Sennheiser/ Sure
44.	Video Conferencing	Panasonic/ Polycom/ Cisco
45.	Speaker, Amplifier	BOSCH/ Sennheiser/ BOSE/ Harman/ Martin Audio/ Braehler Systems
46.	HDMI Matrix Switcher, HDMI Patch Cord	Kramer/ Crestron/ Extron/ AMX
47.	Touch Screen, Master Room Controller	Apple/ AMX/ Kramer/ Crestron
48.	Access Control RID, Electromagnetic Locks, Door Access control Panel, Attendance software	Smart I/ Matrix/ Honeywell/ Time Watch
49.	CCTV Camera, NVR	Matrix/ Axis / Pelco/ Sony/ Panasonic Japan/ BOSCH
50.	Network Switch	Cisco/ Juniper/ Extreme/ Nexxus/ Arista/ Tejas
51.	OFC, Patch Cord, LIU, 24 port Jack Panel, Network Rack 42/22/15, Jack Panel	Leviton/ Nexans/ Commscope/ Belden/ AMP/ D- Link/ Netgear/ Cisco/ Juniper/ Derwiser

Sl. No.	Description of item	Approved Makes/ Manufacturer
52.	Hard Disk	HP/ SanDisk/ WD/ Seagate
53.	Micro phone cable/ ABC Drain cable	Havells/ D-Link/ Belden/ Kramer/Crestron
54.	Video Wall	Samsung/ Panasonic/ Sony/ LG
55.	Co-axial TV cable, CAT-6 cable	Havells/ Finolex/ RR Kabel/ KEI/ D-link/ Schneider/ Legrand/ Cisco
56.	Lift	Otis/ Kone/ Mitsubishi
57.	Any other item	As approved by the Engineer in-charge

Executive Engineer