

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

DED-41, CPWD
Andrews Ganj
New Delhi-110049
Tel No.: 011-26254861

Notice Inviting Tender

NIT No- 47/EE(E)/DED-41/2026-27

NAME OF WORK: SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC,
New Delhi (SH: Electrical Works).

Estimated Cost:- Rs. 7,93,098/-

Earnest Money:- Rs. 15,862/-

Period: - 01 Month

CENTRAL PUBLIC WORKS DEPARTMENTINDEX

Name of Work: : SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi
(SH: Electrical Works).

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Certified that this NIT contains pages marked from 1 to 34 excluding front and back covers.

Assistant Engineer (E) P
DED-41, CPWD,
Andrews Ganj, New Delhi

Executive Engineer (E)
DED-41, CPWD,
Andrews Ganj, New Delhi

CENTRAL PUBLIC WORKS DEPARTMENT

Notice Inviting e-Tenders

The Executive Engineer (E), Delhi Elect. Division - 41, CPWD, Andrews Ganj, New Delhi 110049 (PH: 26254861 Email ID: deleeced10.cpwd@nic.in), invites on behalf of the President of India online percentage rate tender from eligible CPWD registered contractors for the following work:

NIT No. 47/EE(E)/DED-41/2026-27, Name of Work: SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).

Estimated Cost:- Rs. 7,93,098/-

Earnest money: - Rs. 15,862/-

Period of completion: 01 Month,

Last date & time of submission of bid on 31.10.2026at 03:00 P.M.

The bid forms and other details can be obtained from the website <https://etender.cpwd.gov.in>. The press notice is also available on <https://etender.cpwd.gov.in>.

Not to be printed below this line

*To be filled by EE, 'DED-41' Division

Assistant Engineer (E) P
DED-41, CPWD,
Andrews Ganj, New Delhi

Executive Engineer (E)
DED-41, CPWD,
Andrews Ganj, New Delhi

FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

The Executive Engineer (E), Delhi Elect. Division - 41, CPWD, Andrews Ganj, New Delhi 110049 (PH: 26254861 Email ID: deleed10.cpwd@nic.in), on behalf of President of India invites online percentage rate bids from the approved & eligible contractors of CPWD of appropriate class in B & R category for the following work:

S. No.	NIT No.	Name of work & location	Estimated cost put to Bid (Rs.)	Earnest Money	Stipulated Period of Completion of work (in months)	Last date & time of online submission of bid, Original EMD, copy of receipt for deposition of original EMD & other document as specified in the NIT	Time & date of opening of bid
1	2	3	4	5	6	7	8
1	47/EE(E)/DED-41/2026-27	SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).	Rs. 7,93,098-	Rs 15,862/-	01 Month	03:00 hrs on 31.10.2026	03:30 hrs on 31.10.2026

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on web site shall form bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> free of cost.
4. Applicant has to deposit Earnest Money of Rs. 15,862/- in the form of receipt/ Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of 'Executive Engineer(E), ED-10, CPWD, New Delhi') along with tender document.
5. But the bid can only be submitted after depositing of original EMD either in the office of Executive Engineer inviting tender or division office of any Executive Engineer, CPWD within the period of tenders submission and *uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.*
6. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand, the necessary training materials including the videos with step-to-step process are available on download section of <https://etender.cpwd.gov.in>.

7. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMSigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.
8. On opening date, the contractor can login and see the bid opening process after opening of bids. He can receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.
10. Contractor must ensure to quote percentage rate of this work as given in template. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if tenderer quotes new rates against each item in item rate tender or does not quote any percentage above or below on the total amount of the tender or any section / sub head in percentage tender, the tender shall be treated as invalid and will not be considered as the lowest tender.
11. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
12. The contractor should furnish the complete details called for in the Eligibility documents. The applications with incomplete or inadequate details (or) not as per the proforma prescribed in the pre-qualification document are liable to be rejected. The applicants shall also refrain from giving unnecessary additional details, and bulky volumes of records which are not essential / not connected. The details shall be filed in the appropriate forms and annexures only.
13. The column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.
14. Contractor should quote the percentage above or below to two places of decimal only.
15. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
16. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
17. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
18. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.
19. Contractor is advised to visit the site and get acquainted with area before quoting the rates. There may be restriction and rules for movement of vehicles and there is no accommodation for **labours within the premises**.

List of Mandatory and Eligibility Documents to be scanned and uploaded within the period of tender submission:

1. Enlistment Order of the Contractor in CPWD in B & R Category.
2. Earnest Money in the form Insurance Surety Bond, Accounts Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of Commercial Banks (drawn in favour of 'Executive Engineer(E), ED-10, CPWD, New Delhi'.)
3. Receipt of deposition of Earnest Money, issued by Officers of CPWD (EE/AE(P)/AE/AAO), with whom EMD has been deposited.
4. Declaration about site inspection (Form H)
5. ERP Training Certificate issued through LMS (Learning Management System) in ERP.
6. GST Registration Certificate of GNCTD, Delhi if already obtained by the bidder. If the bidder has not obtained GST registration certificate of GNCTD or as required by GST authorities, then in such case, the bidder shall scan and upload following undertaking alongwith bid documents.

“If work is awarded to me, I/we shall obtain GST registration Certificate of GNCTD or as required by GST authorities, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard”.

7. Personal information in respect of bidder as per **Annexure 'E'**
8. Valid Electrical Contractor License or an Undertaking that they will either obtain valid Electrical License at the time of execution of electrical work or associate contractors having valid electrical license of appropriate class.
9. Any other document as specified in the NIT.

Form-H

Declaration About site inspection

To,

Executive Engineer (Elect)
DED-41, CPWD
Andrews Ganj, New Delhi-110049

Name of work: SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).

Dear Sir,

It is hereby declared that as per CPWD-6 FOR e-BIDDING and as per terms and conditions of this tender document, I/We the bidder inspected and examined the subject site and its surrounding and satisfied myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site before submitting the bid, the accommodation which may be required and all necessary formation as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. I/We the bidder shall have full knowledge of the site and no extra charge consequent upon misunderstanding or otherwise shall be claimed in later date. I/We bidder shall be responsible for engaging and maintaining at own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in contract documents. Submission of the bid by me/us implies that I/We have read this notice and all other contract documents and have made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Yours faithfully

(Duly authorized signatory of the bidder)

Personal Information of the bidder
(ALONGWITH BID SUBMISSION)

Name of Work: SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).

Name of the bidder:

Complete Postal address:

Valid Email address for all communication:

Alternate email address, if any:

Valid Mobile Number for communication:

Alternate Mobile Number:

Signature of the bidder

On non-Judicial Stamp paper of minimum Rs. 100
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(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/
Security Deposit/Mobilization Advance

1. Whereas the Executive Engineer.....(name of division)....., CPWD on behalf of the President of India(hereinafter called "The Government") has invited bids under.....(NIT No.)..... dated..... for(name of work).....
The Government has further agreed to accept irrevocable Bank Guarantee for Rs.....(Rupees.....only) valid upto(date)*..... as Earnest Money Deposit from.....(name and address of contractor).....(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

- Whereas the Executive Engineer.....(name of division)....., CPWD on behalf of the President of India(hereinafter called "The Government") has entered into an agreement bearing number.....with.....(name and address of the contractor).....(hereinafter called "the Contractor") for execution of work.....(name of work)..... The Government has further agreed to accept irrevocable Bank Guarantee for Rs.....(Rupees.....only) valid upto(date)*..... as Performance Guarantee/Security Deposit/Mobilization Advance from.....(name and address of contractor).....(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the agreement.
2. We,(indicate the name of the Bank).....(herein after referred to as "the Bank"), hereby undertake to pay the Government an amount not exceeding Rs.....(Rupees.....only) on demand by the Government within 10 days of the demand.
3. We,(indicate the name of the Bank)....., do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupeesonly)
4. We,(indicate the name of the Bank)....., do hereby undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.
5. We, (indicate the name of the Bank)....., further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We,(indicate the name of the Bank)....., further agree that the Government as its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
8. We, (indicate the name of the Bank).....undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up tounless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees) and unless a claim in writing is lodged with us within the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Dated the

Witnesses:

1. Signature.....
Name and address

Authorized Signatory
Name
Designation
Staff code No.
Bank Seal

2. Signature.....
Name and address

* Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No.#..... / date#.....)

1. *Name of Work* : : SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).
2. *NIT No.* : 47/EE(E)/DED-41/2026-27.
3. *Estimated Cost*: Rs. 7,93,098/-
4. *Amount of Earnest Money Deposit*: Rs.15,862/-
5. *Last date & Time of submission of Bid* : 31.10.2026at 03:00PM

Name of Contractor:#.....

1. *Form of EMD*#.....
2. *Amount of Earnest Money Deposit*#.....
3. *Date of submission of EMD*#.....

.....
*Signature, Name and Designation of EMD
 receiving officer (EE/AE(P)/AE/AAO) alongwith Officer stamp*

* *To be filled by EE inviting tender.*
 # *To be filled by EMD receiving EE/AE.*

CPWD-6 FOR e-TENDERING
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER

Percentage rate bids are invited on behalf of President of India invites online percentage rate bids from eligible CPWD registered contractors for the work of "SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works)."

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tender.

1. The work is of Estimated Cost Rs. 7,93,098/- This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (as amended up to last date of submission of bid) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 Month** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is shall be made available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of of Executive Engineer(E), ED-10, CPWD, New Delhi) shall be scanned and uploaded on the e-Tendering website along with tender document within the period of bid submission.

The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission.

The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by the tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office

of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on 31.10.2026

- 8A Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand, the necessary training materials including the videos with step-to-step process are available on download section of <https://etender.cpwd.gov.in>.
9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents as stipulated in the bid documents.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.
 - (iv) If a tenderer quote nil rates against each item in item rate tender or does not quote any percentage above or below on the total amount of the tender or any section / sub head in percentage tender, the tender shall be treated as invalid and will not be considered as the lowest tender.
11. The contractor whose tender is accepted will be required to furnish performance guarantee of (a) 5% of tendered value or Estimated cost put to tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than 80% of the estimated cost put to tender (ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee includes e-Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work within the period specified in Schedule F
11. The description of the work is as follows:
The scope of work includes SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidder shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
17. The bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bid.
 - i. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii. If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii. In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
18. This Notice Inviting Tender shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 Days from the stipulated date of start of the work, sign the contract consisting of:
 - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 (Amended upto the last date of submission of bid)
19. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/ uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone No. 011-26254861, email ID: deleed10.cpwd@nic.in) or ERP help line No. 18001803286 or email id cpwd.support@techmahindra.com . The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

CPWD-7	CPWD
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GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: DELHI
BRANCH: B&R
DIVISION: DED-41

SUB- DIVISION:
CIRCLE: DC-IV
Sub-Region: ADG (D)

Percentage Rate Tender & Contract for Work: : *SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).*

- (i) To be submitted/uploaded online at www.tenderwizard.com/cpwd by 03.00 PM, on 31.10.2026
- (ii) To be opened online in presence of tenderers who may be present at 03.30 PM, on 31.10.2026 in the office of Executive Engineer(E), DED-41, Andrews Ganj, New Delhi.

TENDER

I/We have read and examined the Notice Inviting Tender, Schedule, A,B,C,D, E & F. Specifications applicable, Drawings & Designs, General rules and Directions, Conditions of Contract, of 2023 (GCC Maintenance Works 2023) with amendments up to the last date of submission of tenders, Clauses of Contract, Special Conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for Thirty (30) days from the due date of opening of bid and not to make any modifications in its term & conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document. A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on bac

k-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future for ever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to cancel the agreement and to forfeit the entire amount of Performance Guarantee.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: #.....

Signature of Contractor #

Witness: #

Postal Address #

Address: #

Occupation: #

To be filled in by the contractor

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the President of India for a sum of Rs.....*
(Rupees.....)*

The letters referred to below shall form part of this contract agreement:

(a)

(b)

(c)

For & on behalf of President of India

Signature*

Dated:*

Designation

.....*

*To be filled in by the Engineer-in-charge

CPWD – 7		CPWD
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PROFORMA OF SCHEDULES (MAINTENANCE WORK)

(Separate Performa for Civil, Electrical & Horticultural Works in case of Composite Tenders)

(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'		
Schedule of quantities		Attached (Electrical Works)
SCHEDULE 'D'		
Extra schedule for specific requirements/documents for the work, if any.		Attached as Terms and Conditions and Specifications.
SCHEDULE 'E'		
Reference to General Conditions of contract		General Conditions of contract for Central PWD Works 2023 (GCC for Maintenance Works 2023) as amended/modified upto last date of Submission of bid.
Name of Work :		
<i>SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).</i>		
(i)	Estimated cost of work :	Rs 7,93,098/-
(ii)	Earnest money	Rs. 15862/-
(iii)	Performance guarantee	(a) 5% of tendered value or Estimated cost put to tender(ECPT) (whichever is higher). (b) Where the tendered amount is less than 80% of the estimated cost put to tender(ECPT), the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent(80%) of the ECPT and the tendered amount.
(iv)	Security Deposit	2.5% of Tendered Value
SCHEDULE 'F'		
General Rules & Directions :		General Conditions of contract for Central PWD Works 2023 (GCC for Maintenance Works 2023) as amended/modified upto last date of Submission of bid.
Officer inviting tender -		Executive Engineer (E), DED-41, CPWD, Andrews Ganj, New Delhi
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3		See Below
Definitions:		
2 (vi)	Engineer-in-Charge	Executive Engineer (E), DED-41 , CPWD, New Delhi
2(viii)	Accepting Authority	Executive Engineer (E), DED-41 , CPWD, New Delhi

2(x) Percentage on cost of materials and labour to cover all overheads and profits	15%		
2(x)(b) Standard schedule of Rates	Delhi Schedule of Rates 2025 (correction issued upto last day of online receipt of tender) and Market Rate		
2(xi)Department	Central Public Works Department		
2(xvi) Extra items	Extra items are those items which are not available in the contract. a. Non-Schedule Extra Items are those items which are not available in the Standard Schedule of Rates specified in Schedule F. b. Scheduled Extra Items are those items which are available in the Standard Schedule of Rates specified in Schedule F.		
2(xvii) Completion Cost	The completion cost includes gross amount of work done, amount of extra item(s) and deviation(s) and escalation amount admissible as per agreement etc.		
9(ii) Standard CPWD Contract Form :	General Condition of Contract Maintenance Works 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender.		
Clause 1			
(i) Time allowed or submission of Performance Guarantee alongwith requisite documents mentioned else wherein the NIT, Programme Chart (Time and Progress) and applicable Labour Licences, Registration with EPFO and ESIC or proof of applying thereof from the date of issue of letter of acceptance, and also ensure the compliance of aforesaid provisions by the sub-agencies, if any, engaged by the Bidder, in days	07 Days		
(ii) Maximum allowance extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	03 Days		
Clause 2 Authority for fixing compensation under clause 2	Superintending Engineer Delhi Circle - 4, CPWD New Delhi		
Clause 2A Applicable clause/clause 2A	Clause 2		
Clause 5 Number of days from the date of issue of letter of acceptance for reckoning date of start	10 (Ten) days or date of handing over of site whichever is later.		
Table of Mile-stones			
As per Table given below			
S. No.	Description of Milestone (Financial)	Time Allowed in days (from date of start)	Amount to be withheld in case of non achievement of Milestone
1	N.A.		
Time allowed for execution of work		01 Month	
Authority to decide :-			

(i) Authority to convey the decision of shifting of milestone and extension of time	Executive Engineer (E), DED-41, CPWD, New Delhi (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)
(ii) Rescheduling of mile stones and extension of time	Superintending Engineer, Delhi Circle - 4, CPWD
(iii) Shifting of date of start in case of delay in handing over of site	Superintending Engineer, Delhi Circle - 4, CPWD
Applicable Clause 5/Clause 5A	Clause 5
Clause 6: Computerized Measure Book (CMB)/ Electronic Measure Book (EMB) Mode of measurement:	a) Electronic Measure Book (EMB) but in case of any system related issue then Engineer-in-charge may allow CMB. (as per OM No. DG/SOP-2024/23 dated 25.03.2026)
Clause 7 Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs. 5 Lakhs
Clause 7A Whether Clause 7A shall be applicable No Running Account Bill shall be paid for the work till the applicable licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to Engineer-in-charge.	Yes
Clause 10 A List of testing equipment to be provided by the contractor at site lab:	As per Site requirement
Clause 10 B (ii) Whether Clause 10 B(ii) shall be applicable	Not Applicable
Clause 10C Component of Labour expressed as percent of total value of work	Not Applicable 25%
Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column Applicable/ Not Applicable Schedule of Component of materials, Labour etc. For price escalation. Component of Civil:(Except materials covered under clause 10 CA)/Electrical value of work:-	12 Months N.A. Expressed as percent of total value of work. – Xm 75%
Component of labour:-	Expressed as percent of total value of work.-Y 25 %
Component of P.O.L:-	Expressed as percent of total value of work.-Z(N.A.)%
Clause 11 Specifications to be followed for execution of work	CPWD General Specifications for Electrical Works Part I Internal – 2023, CPWD General Specifications for Electrical Works Part II External – 2023 and HVAC 2017. The additional

	specifications are to be read with above and in case of any variations; specifications given along with the tender shall apply.
Clause 12 Deviations/Variations Extent and Pricing:	
Type of work	<p>Maintenance work(s) are those work(s) which includes upgradation, Aesthetic improvement, special repair, addition/ alteration, annual repair, Comprehensive maintenance work etc.</p> <p>The completion cost shall, in no case, exceed 1.5 times the contract amount.</p> <p>Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid.</p> <p>Engineer-in-Charge will verify and confirm the alerts before assigning deviations(s) and / or extra items(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in-Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account.</p>
Authority to decide Deviation :-	
(i) Upto 1.25 times of Contract Amount (With recorded reasons)	Engineer-in-charge
ii) Beyond 1.25 times of Contract Amount (With recorded reasons)	Superintending Engineer DC-4
(Corrected as per DG/CON/313 dt 17.02.2021)	
12.2 & 12.3 Deviation limit beyond which clause 12.2 & 12.3 shall apply for maintenance work	No limit (All the deviated quantities shall be paid on the agreement rates)
12.5 (i) Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub head in DSR and related items) (ii) Deviation limit for items mentioned in earth work sub head of DSR and related items.	No Limit
Clause 16 Competent Authority for deciding reduced Rates	Superintending Engineer Delhi Circle - 4, CPWD, New Delhi
Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site:	As per actually required at site and shall be arranged by the contractor.
Clause 25:	
Settlement of Disputes by Conciliation and Arbitration	
Conciliator	ADG(RD), CPWD, New Delhi
Arbitrator appointing authority	Superintending Engineer, Delhi Circle -4, CPWD, New Delhi
Place of arbitration	New Delhi
CLAUSE 31	N.A.
Sr. No.	CLAUSE 32 (i): Requirement of Technical Representative(s) and Recovery Rate

	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i)	
						Figures	Words.
1	N.A						
Assistant Engineers retired from Government Service that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10-year relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment subject to condition that such diploma holders should not exceed 50% of requirement of degree engineers.							
Clause 38 (i) (a)Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of				Delhi Schedule of Rates 2023			
Variations Permissible On Theoretical Quantities (a) Cement				Nil			
(b) Bitumen for all works				Nil			
c) Steel Reinforcement and structural steel (sections for each diameter, section and category)				Nil			
(d) All other materials				Nil			

Assistant Engineer (E)P
DED-41, CPWD, Andrews Ganj
New Delhi-110049

Executive Engineer (E)
DED-41, CPWD, Andrews Ganj
New Delhi-110049

TECHNO-COMMERCIAL CONDITIONS

1.0 GENERAL

- 1.1 The site of work is IIMC, New Delhi. The site is available with certain restrictions. Bidders are advised to take note of the site conditions.
- 1.2 This specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation & commissioning.
- 1.3 The tenderer should in his own interest visit the site and familiarize himself with the site conditions before tendering.
- 1.4 All incidental Civil work in E&M items required to be completed inclusive within the quoted rates, nothing extra will be paid.
- 1.5 No T&P shall be issued by the department and nothing extra shall be paid on account of this.
- 1.6 The submission of Shop drawings prepared on Autocad for each sub head separately is under scope of contractor. Co-ordinated drawing including all services shall also be submitted by the contractor. The submission of the drawings shall be on minimum A2 size sheet. The soft copy in expandable pdf shall also be shared. The contractor shall provide the autocad draftsman when required to study the Shop drawings.
- 1.7 The contractor should be compliant to “Restrictions under Rule (xi) of the General Financial Rules (GFRs), 2017” issued vide F.No. 6/182019-PPD dated 23.07.2020 from Public Procurement Division, Department of Expenditure, M/o Finance.
- 1.8 In case of any contradictory meaning or contradictory condition is noticed between different places of the contract then the preference shown in GCC Maintenance 2020 at Point No. 8.1 shall be followed.
(i) Description of Schedule of Quantities. (ii) Particular Specification and Special Condition, if any.
(iii) Drawings. (iv) CPWD Specifications. (v) Indian Standard Specifications of B.I.S.
- 1.9 The agency must study various CPWD specifications; get themselves acquainted with site and site conditions, provision for firefighting system for various buildings and local byelaws and additional conditions carefully. The work shall be executed in close coordination with the progress of building work.
- 1.10 All the equipments shall be delivered with (i) Manufacturer's technical catalogues and Installation / Instruction (O&M) manuals (ii) Test Certificates to the extent applicable .

2.0 COMPLETENESS OF WORK

- (i) All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.
- (ii) The installations shall be completed in all respects and put in to operation even where certain details have not been mentioned / left out in these specifications. Any discrepancy may be brought out in pre-bid meeting.
- (iii) The CPWD specifications are available at CPWD website “cpwd.gov.in”. The department shall not be responsible for the lack of knowledge and also the consequences thereof to the Contractor. The information and data mentioned in the tender document have been furnished in good faith and for general information and guidance only. The Engineer-in- Charge in no case shall be held responsible for the accuracy thereof and / or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor and no claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in tender document is different from data / drawing after preparation of architectural drawings, design and approved for construction. It is presumed that the Contractor has satisfied himself for all possible contingencies, situations, bottlenecks and acts of coordination, which may be required between different agen
- (iv) Drawings shown in the tender documents are indicative only. The work shall be carried out on approved Shop drawing only. In case of any contradiction between quantity shown in tender drawing and BOQ/SOW quantity then the quantity mentioned in SOW shall prevail upon.

3.0 INSPECTIONS

(A) General

For items/equipment requiring initial inspection at manufacturer's works the contractor will intimate the date of testing of equipments at the manufacturer's works before dispatch. The department also reserves the right to inspect the fabrication job at factory and the successful bidder has to arrange for the same. The successful bidder shall give sufficient advance notice regarding the dates proposed for such tests/inspection to the department's representative(s) to facilitate his presence during testing/fabrication. The Engineer-in-charge at his discretion may waive off such testing/fabrication. The cost of the Engineer's first visit to the factory will be borne by the Department. If subsequent visits are required on account of failure on the part of Contractor, the same shall be charged to him. Also, equipment may be inspected at the Manufacturer's premises, before dispatch to the site by the contractor.

Inspection & Testing at site

- (i) The installation shall be subject to necessary inspection during every stage of erection, by the Engineer In-charge or his authorized representative. The contractor shall provide all facilities and assistance for the purpose.
- (ii) The completed installation shall be inspected and tested by the Engineer-in charge to ensure the functionality and performance level. Contractor shall arrange T&P as well as OEM's Engineer and Technical staff for this purpose. No extra payment shall be entertained on this account in the manner as will be laid down by department.
- (iii) All instruments and facilities necessary for the tests shall be provided by the agency.

4.0 DESPATCH OF MATERIALS TO SITE, THEIR CUSTODY

The contractor shall dispatch materials to site in consultation with the Engineer-in-Charge. Safe custody of all equipment / items supplied by the contractor shall be the responsibility of the contractor i/c watch and ward. Payment on the delivered(Supplied) materials shall be made to the contractor only when contractor in writing, submits Indenture Bond for the materials supplied at site. This shall be in addition to the insurance cover provided by the contractor. If after payment of the supplied items any theft, damage, pilferage or deterioration happens then contractor will have to make good without any extra liability on the Department.

All equipments and materials to be used in the work shall be brand new having its date of manufacturing not more than 6 month old from the date of delivery at site with manufacturer's certificates, warrantee cards, technical catalogues, instructions, manuals and wiring diagrams etc.

In order to ensure genuineness of equipments/materials, copy of invoice of each equipments/materials, custom clearance paper in case of imported materials duly authenticated by bidder shall be invariably produced to Engineer-in-Charge.

5.0 STORAGE AND CUSTODY OF MATERIALS

The space for storage, if available, may be used for storage of sundry materials and erection equipments or else the agency has to make his own arrangements. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

- (i) Being composite work, material for all E&M works shall be brought at site in accordance with mile stones and progress of other sub heads after due approval of Engineer-In-Charge. The dilution in mile stone for procurement of material in general, shall not be acceptable unless otherwise the reason of dependency and slow progress are justified by the agency. For any material brought prematurely at site without approval of Engineer-In-Charge, no payment shall be made for such material and Department shall not be responsible for its damage / deterioration. The makes of material have been indicated in the BOQ/list of approved makes.
- (ii) Sample of approved materials must be kept at site for inspection/comparison with materials to be used in work. All the sample materials and lab tested materials duly labeled shall be arranged in a almirah with transparent front cover. All materials shall be delivered with manufactures test certificates and technical catalogues, instructions manuals, wiring diagram etc. as required.

6.0 EXTENT OF WORK:

The work shall comprise of the following:-

- a) The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender document in connection with this contract.
- b) Minor building works necessary for installation of equipments, foundation, making of opening in walls or in floor and restoring to their original conditions, finish and necessary grouting etc as required.
- c) Maintenance during defect liability period.
- d) Any Damage done to the building during the execution shall be made good immediately at his own cost to the entire satisfaction of the Engineer-in-Charge.
- e) Any item required for completion of the respective component E&M work but left in-advertently shall be executed with-in the quoted rates.

7.0 PRECAUTIONS TO AVOID ACCIDENTS

The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work. In case of any accident of labours/ contractual staff's the entire responsibility will rest on the part of the contractor and any compensation under such circumstances if becomes payable the same shall be entirely born by the contractor and department shall have no role on this account.

8.0 QUALITY ASSURANCE AND TESTING

- a) Testing of materials shall be according to *CPWD Quality Assurance Policy and checklist for E&M services 2016 & CPWD Quality Assurance Manual for Building Works 2022* But that is not the exhaustive conditions. If Engineer-in-charge finds appropriate to get the materials tested for lesser quantity then also testing shall be arranged by the agency.
- b) The Contractor shall make available, on request from the Department, for record, copies of challans, cash memos, receipts and other certificates, if any, vouchers towards the quantity and quality of various materials procured and the same shall be kept in record. These shall also provide information on the name of the manufacturer, Manufacturer's product identification, manufacturer's instructions, warning, date of manufacturing and test certificates from manufacturers for the product for each consignment delivered at site, shelf life, if any, for the department to ensure that the material have been procured from the approved source and of the approved quality, as directed by the Engineer-in-Charge. Day to day account of receipt of such material shall be maintained at site of work and shall be regulated by the department. Nothing extra shall be payable on this account.
- c) The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material or work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-charge.
- d) The work is to be carried out in workman like manner and generally in accordance with the plans. The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipments to execute the work. However, the contractor will be bound to carry out the work with minor deviation over the plan supplied if desired by the Engineer-in-Charge of the work. For redoing the job, no claim of the contractor shall be entertained on this account.
- e) The contractor or his authorized representative shall sign the site order book and comply with the remarks entered therein by the representative of the Department.
- f) The contractor will ensure that all the skilled persons managed / deployed for executing the electrical work posses wireman license issued by approved authorities, otherwise he will not be permitted to execute the work. Also, consequences arising due to the default of the contractor to comply with this condition would be contractor's responsibility only.
- g) The contractor shall be responsible for removal of all defects in the work during the guarantee/warranty period. The department shall carry out routine operation work only. If any failure is noticed during this period which is attributable to poor quality of material and bad workmanship, the contractor will be required to rectify the same at his own cost, failure of which

the department will be at liberty to get the defects rectified at the risk & cost of the contractor. The contractor will also be required to carry out his own inspection/testing during the guarantee/warranty period and attend to any defect taking place during this period.

- h) In case materials used at site does not find mention in above said guidelines then the requirement of testing shall be decided by Engineer-in-charge on the basis of critical assessment.
- i) In all cases the cost of testing including packaging, forwarding, transportation and laboratory fees shall be borne by the contractor irrespective of whether material is passed or failed.
- j) Normally, the laboratories takes longer time to submit the report. The work cannot be withheld for want of report. Therefore, contractor shall use the material with condition that if it fails then he(they) shall arrange another lot or another Brand. However, that shall again be tested.

Some restrictions may be imposed by the security staff etc. on the working and/or movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account. No claim for idle labour shall be entertained.

9.0. CARE OF BUILDING

Care shall be taken, while handling / installing the equipment, to avoid damage to the building. The Contractor shall arrange to repair all damages to the building caused by him so as to bring to the original condition. He shall also arrange to remove all unwanted waste materials from site, arising out of his work.

The Contractor shall carry out the work in such a manner so as not to interfere or affect or disturb other works being executed by other agencies if any. No claim in the matter shall be entertained.

10. SUPERVISION OF WORK

The Contractor shall depute Site Engineers & skilled workers as required for the work as per the documents required in technical bids. He shall submit organization chart along details of Engineers and supervisory staff. It shall be ensured that all decision making powers shall be available to the representatives of the Contractor at site of work itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site to complete the work with stipulated quality and in stipulated time limit.

11. PAYMENT TERMS:

The following percentage of contract rates shall be payable against the stages of work shown herein:

Sl. No.	Stage of Work	For all Sub Heads
I)	After initial inspection of materials & delivery at site in good condition on pro-rata basis	65 % of line item value (provided materials are not supplied pre-maturely)
II)	On completion of pro-rata installation	20 % of line item value
III)	On testing in period for all equipments and systems.	10 % of line item value
IV)	Commissioning and taking over by the Client Department	5 % of line item value

12.0 COMPLETION OF WORK

After completion of installations in all respect the contractor shall offer the installation for testing and operation.

The contractor shall notify the completion to Engineer-in-charge. On receipt of his notification, Engineer-in-charge or his representative engineer will inspect the site and on satisfaction, the completion of work shall be recorded.

The work in each section has certain functionality and the system has to achieve given parameters. Therefore, after completion of work the agency will have to arrange witness & record the performance parameters. If due to certain and genuine reasons(s); the performance test(s) of system (plant) is not immediately measured then the work shall be treated complete but in the final bill reasonable amount shall be blocked which shall be released only after functionality testing.

The handing over of plants/equipments from the firm to CPWD and from the CPWD to Client will be held simultaneously. Therefore, the contractor will hold the inventory unless client takes over the inventory. However, it must be noted that the contractor shall not be paid anything extra for watch and ward of plant/equipment from date of completion to date of handing over to client. No claim in any form shall be admissible.

13.0 INSPECTION/ TRIAL RUN / RUNNING IN PERIOD

- (i) After successful testing & commissioning a running-in period of 7 days shall be there for regular trial. The client department may witness or observe the functions of equipments.
- (ii) Copies of all documents of routine and test certificates of the equipment, carried out at the manufacturers premises shall be furnished to the Engineer-in-Charge.

14.0 GUARANTEE/ DEFECT LIABILITY PERIOD:

All equipments shall be guaranteed, against unsatisfactory performance and / or break down due to defective design, workmanship or material, for a period of 12 months from the date of taking over the installation by the department. The equipments or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in attending the defect/fault removal, the same will got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final and binding to the contractor.

The contractor shall ensure adequate and prompt complaint handling during defect liability period without any cost. Personnel and spares shall be arranged by the contractor when required. The OEM sponsored initial checks and maintenance shall be ensured according to the manufacturer manual for operation and maintenance.

15.0 ATTENDING COMPLAINTS DURING DLP

The contractor shall ensure adequate and prompt complaint handling during defect liability period without any cost. Personnel and spares shall be arranged by the contractor when required. The OEM sponsored initial checks and maintenance shall be ensured according to the manufacturer manual for operation and maintenance. The equipment or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in attending the defect/fault removal, the same will got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final and binding to the contractor.

Extension of DLP

The contractor shall ensure adequate and prompt complaint handling during defect liability period without any cost. Personnel and spares shall be arranged by the contractor when required.

The Contractor shall attend the complaint at the earliest. He will provide a mobile number and one email id specifically for this purpose at the end of work. The minor complaint requiring manpower and / or petty material should be attended within 2 working days and major complain requiring very expert engineer and / or rare material should be attended within 4 working days. In case of failure to attend the same timely the DLP period shall be extended to the tune of delay in attending the complaint.

16.0 DRAWINGS/DOCUMENTS TO BE FURNISHED ON COMPLETION OF INSTALLATION

Two sets of the following laminated drawings shall be submitted by the contractor while handing over the installation to the Department.

- a) Completion Drawings.

- b) Layout drawing of all installed equipment's.
- c) Schematic diagram of all installed system with labels.
- d) Any other drawings as instructed by Engineer-in-charge.

17.0 TRAINING:

The Contractor shall provide training to operator / technician/ users for proper use of installations, understanding the data, monitoring of data and primary response action. The training shall be provided by the Experienced trainer / Technician/ Engineer of respective field. The training shall be arranged only at site not at any other place citing similarity of installation. Nothing extra shall be payable on this account.

ADDITIONAL TERMS AND CONDITIONS

- 1 The work shall be carried out as per CPWD specifications amended upto date and as per instruction of Engineer- in-charge.
- 2 The contractor are advice to visit the site before quoting to access the quantum of work, site location etc.
- 3 The contractor shall be responsible and should give a certificate for the genuineness of the material supplied.
- 4 The contractor is bound to sign the site order book as and when required by Engineer-in-charge and/ or his authorized representatives and carry out instructions recorded therein.
- 5 The agency/ contractor has to submit the make and model of different types of AC Units for approval from Engineer-in- charge before procurement. Without approval materials will not be allowed to fix at site. The contractor has to submit the invoices of the AC procured during the preparation of the bill.
- 6 The guarantee of satisfactory performance of the material supply by the contractor for at least one year shall be given by the firm.
- 7 **The compressor warranty shall be for 5 years with PCB Warranty up to 5 years. The filled up and stamped warranty card shall be submitted before payment of final bill.**
- 8 The work shall be carried out at various floors in the functional office building. Hence there may be labour wastage for which nothing extra shall be paid to the contractor.
- 9 The outdoor unit of the ACs shall be required to be installed on the terrace/ Ground floor for the ease of maintenance.
- 10 **The AC units mentioned in BOQ must be verified for its availability in the market before quoting rate. After award of work, the contractor's plea that ACs of given specifications are not available; will not be entertained. The contractor will have to provide documents from manufacturers or dealers that the specs are not available if situation warrants to consider any small differences. In that case, other model in next better specs shall be provided by the contractor without any additional payment. It shall not be considered substitute or extra item.**
- 11 The dismantling of all types of ACs are in the scope of the work, Nothing extra will be paid on this account.

LIST OF ACCEPTABLE MAKE

Sl. No.	Description	Make
1	Window/Split /Cassette/ Tower Type AC	Daikin/ Panasonic/Mitsubishi/O General/ Carrier/ Hitachi/ Blue Star/Voltas
2	Copper wires FRLS PVC up to 1100 volts grade (ISI Marked)/ XLPE FRLS/HFFR copper conductor Wire/Cable / XLPE copper conductor Wire/Cable	Polycab / Finolex / Grandlay / Havells/ Rallison / pisure
3	G.I. Box	Legrand/ Schneider/ MK/ Panasonic/ L&T/ Great White/ABB
4	Copper Pipe/ Tube/ Drain Pipe Insulation	Rajco/Mandev/Maxflow
5	CCTV Cameras	Honeywell Enterprises/ Pelco/ Impulse/Panasonic/Axis/Bosch
6	Network Switch	Cisco/ Juniper/ Allied Telesis
7	CAT6A Cable, I/Os for CAT6A, Patch panel, Face Plate, Modular box, and panel rack.	Systimax/ Molex/ Siemon/ Panduit/ R&M/ Derwiser/ Commscope/ Belden/ AMP/ Tyco/ Legrand/ DLink/ Walrac /Vertiv/ President/APW
8	Drain pipe(UPVC Pipe)	Finolex/Supreme/Astral/Plasto
9	DLP PVC Trunking	Honeywell/ MK/Havells/ Legrand
10	DB /MCB /MCCB	Legrand/ABB/Schneider/Siemens/Hager
11	PVC Conduit & accessories	Precision/ NIC/ Polycab/ Supreme/ BEC/ RMCON
12	Switches/Sockets and wiring accessories	Legrand/ Schneider/ MK/ Panasonic/ L&T/ Great White/ABB
13	Steel Conduit & accessories	BEC/ AKG/ /NIC/ RMCON
14	All other items not covered above	As per samples approved by Engineer In-charge.

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SCHEDULE OF WORK

N/W:- SITC of Air conditioners Unit and Installation of CCTV Camera at IIMC, New Delhi (SH: Electrical Works).

S No	Description of Items	Qty	Unit	Rate	Amount
1	Supplying, Installation, Testing and Commissioning of Air Cooled Cassette type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), R-32/R410A/R-407 Green Refrigerant, wireless Remote, inbuilt drain pump, suitable for 400/230V, 50 Hz ,1 /3 phase AC supply, including surface / concealed copper Refrigerant piping with insulation (closed cell elastomeric nitrile rubber tubular pipe section) upto 5.5 Mtr (IDU to ODU), copper power and control cable upto 5.5 Mtr (IDU to ODU) including drain pipe, the system shall be capable of performing cooling, dehumidification, Air circulation, filtration & ventilation of following capacity with Scroll/rotary compressor with min 5 year Original Equipment Manufacturer (OEM) warranty both compressor and Printed Circuit Board (PCB) as specified. The system shall be able to deliver 100% of the rated capacity as per relevant IS Code. The lab testing reports as per IS: 1391 shall be submitted from National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited as per nternational Electrotechnical Commission (IEC) 17025 standards/Central Power Research Institute (CPRI)/ Electrical Research and Development Association (ERDA)with Original Equipment Manufacturer (OEM) etc. complete as per CPWD specification and as per IS: 1391 as required.				
	Inverter Type- Cooling only				
1.1	2.0 TR with 5 Star BEE Rating	4	Nos.	85731.00	342924.00
2	Supplying, Installation, testing and commissioning including vaccumiazation and Nitrogen testing of following nominal sizes of soft/hard drawn copper refrigerant piping for VRV/VRF system, complete with fittings, with suitable adjustable ring type hanger supports, jointing/brazing including accessories, insulated with XPLE Class-O tubular insulation/with Class-O closed cell elastomeric nitrile rubber tubular sleeves sections of 19 mm thick insulation as given below for Suction and Liquid lines, all accessories as per specifications etc. as required :				
2.1	9.5 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	70	Meters	346.00	24220.00
2.2	15.86 mm dia (OD) (Soft drawn) with tube thickness 1.2 mm	70	Meters	615.00	43050.00

3	Supplying and laying of 4 X 4 sqmm flexible copper wire on surface alongwith refrerent pipe complete as reqd.	70	Meters	487.00	34090.00
4	Wiring for light/ power plug with 2X4 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	80	Meters	480.00	38400.00
5	Wiring for light/ power plug with 4X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit along with 2 Nos. 4 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	50	Meters	724.00	36200.00
6	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	4	Nos.	807.00	3228.00
7	SITC of 16 Amp plug top i/c connection etc as required.	4	Nos.	209.00	836.00
8	Supplying Installation Testing and Commissioning of 4MP IP IR Dome Camera having following specifications and features etc :- 1) Signal System: PAL/NTSC, Signal to Noise Ratio: > 50 dB, Camera should display Camera title, Date & Time in live & recorded video 2) Image Sensor: 1/2.8" or better progressive Scan CMOS to get color image even at night condition (Minimum Illumination: 0.006 Lux@ F1.4, AGC ON, 0 lux with IR or better) True Day & Night High Performance Mechanical IR cut filter with auto switch, Integrated IR Source (Auto, Manual)- Inbuilt IR LED's with effective distance upto 50 meter or better and 30 meter for colour view in night, Imaging: 1/3s to 1/30000s electronic shutter support, Auto Gain Control, White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking. 3) Compression (Minimum): Video:- H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723 4) Wide Dynamic Range:- WDR (120dB or more) 5) Digital Noise Reduction:- DNR (3D) On/Off 6) Video Streaming & Frame Rates :- Triple streaming, configurable Main stream: 4MP (2560x1440)25/30fps, Sub streams minimum: 720P@25/30 fps 7) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser, Edge Analytics: Tripwire, Intrusion, Motion Detection				

	<p>8) Cyber Security: AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade</p> <p>9) Onboard Storage: Camera should support built-in Micro SD/ SDHC/ SDXC Card slot upto 512 GB. It should be supplied with minimum 128GB memory Card.</p> <p>10) Recording Management: Format SD, overwrite, storage management, video to NAS device,</p> <p>11) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection</p> <p>12) Network Protocol: SFTP, IPv6, IPv4, DNS, RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,</p> <p>13) System Capability: ONVIF, Camera shall support open source VMS</p> <p>14) Ethernet: 1 RJ 45 10/100 Ethernet port</p> <p>15) Audio : It should support 1 x Built-In Mic and 1/1 Alarm In/ Out for External Mic. and Speakers as per site requirement.</p> <p>16) Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE (802.3af)—to ensure continuous operation in the event of a failure in one power source.</p> <p>17) Power Requirement: 12VDC/24 VDC/PoE (802.3af)/ePoE</p>				
	<p>18) Housing/ Enclosure:- IP67 weather proof, IK10, Metallic body</p> <p>19) Operating Condition:- Ambient Temperature:- ()05°C to 50°C, humidity 95% (max) (non-condensing)</p> <p>20) IR life: 40000 hours or higher</p> <p>21) Video Bit rate: 32 KBPS - 8 MBPS or better</p> <p>22) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</p>				
8.1	4MP @ 25/30fps@1440P (2560 x 1440) Dome Camera with 2.8/ 3.6/ 6/8/12 mm fixed lens (as per site requirement).	8	Nos.	10365.00	82920.00

9	Supplying, installation, Testing and commissioning of following capacity 8 port Layer 2 indoor Network Switch having features and specifications etc. as mentioned here under: Minimum 8 X RJ-45 Gigabit Ethernet Ports and additional 2 X 1G SFP Ports with non-blocking architecture by having Switching capacity of minimum 20Gbps and packet forwarding rate of 14Mpps or higher, 8K MAC table. Internal dual AC Power supply with operating temperature of -5 0C to +50 0C. Jumbo frame: 10KB or higher, IGMP Snooping, IGMP snooping querier and support for IGMP Snooping Fast Leave, Should create 250 or more MLD groups, MLD Snooping, Per VLAN MLD Snooping C MLD Snooping Fast Leave, STP, RSTP, MSTP, Loopback detection, Multicast filtering, VLAN Tagging, QOS: 8 Que per port, WRR, IPv4/IPv6 Interface : minimum 100 IPv4 static route entries and minimum 50 IPv6 static route entries, 700 Access Control entries, SSH CSSL for IPv4 and IPv6, 802.1x, ARP Spoofing, DHCP Snooping and server screening, IP+MAC+Port Binding, Per Port Bandwidth Control, 802.1X Authentication (Supports local/RADIUS database, Port-based Access Control and EAP, OTP, TLS, TTLS, PEAP Support) Cable Diagnostic feature, LLDP, LLDP-MED, SNMP/NTP, RMON, SNMP v1,v2c, v3 and SNMP Traps. Certifications: UL, CE, FCC, RoHS, MTCTE, OEM/Product must be on Trusted Telecom Portal of Department of Telecommunication, Government of India etc. complete as required.				
9.1	8 port PoE Layer 2 Network Switch with PoE Support of 130W or higher with each copper port supporting 802.3at PoE+.	1	Nos.	35091.00	35091.00
10	Supplying and fixing of following size Wall Mount Rack having Fixed Structure with 0.8mm CRCA Sheet, completely knocked-down condition (CKD) Shape, Vertical Mounting Rail 1.6 mm with 'U'Marking, Minimum 2 cable entry/exit provision at Top and bottom with rubber protection, Front 5mm Toughened Glass with lock, wall mounting kit, Powder coated Color- RAL-7035, complied with UL & RoHS, 2 x 6 sockets 16A power distribution units, 3 numbers closed cable organizer, Hardware mounting screws packet of 20 x 1 number, etc. complete as required.				
10.1	6U Rack	1	Nos.	6939.00	6939.00

11	Supplying, drawing, Testing and commissioning of Cat6A UTP 4 pair, 23 AWG solid copper cable in existing conduit/ on surface, U/FTP, LSZH, Non Plenum, Horizontal (solid) Cable suitable for high speed data networking application supporting upto 10Gbps over a 100 meter channel. The 4 Unshielded Twisted Pairs (UTP) cable with color coded insulation for easy identification should have FLAME PROPERTIES i.e. Flammability Test - IEC 60332-1, Smoke Density - IEC 61034, LSZH standards compliance: ANSI/TIA-568 C.2, ISO/IEC 11801, IEEE 802.3an, RoHS. Delay Skew should be < 45NS. The outer Cable Diameter should be 7.5 + 2 mm. Cable should have been tested and verified by UL/ ETL etc. complete as required.				
11.1	1 Run of cable	600	Meters	74.00	44400.00
12	Supplying and fixing of following sizes of medium 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.				
12.1	25 mm	600	Meters	168.00	100800.00
	Total				793098.00

Note :- (1). The agency shall execute the work from the BOQ items only. No extra item shall be executed without the written instructions of Engineer-in Charge and will submit extra item statement within 15 days along with tax paid invoice / bill according to Clause-12.

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