

CENTRAL PUBLIC WORKS DEPARTMENT

कार्य का नाम:— MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH: - EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.)

NIT No.: 15/EE(E)/DED-81/2026-27 - Recall 1

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प्रमाणित किया जाता है कि इस निविदा में कुल 1 से 50 पृष्ठ हैं।

Certified that this N.I.T. contains 1 to 50 pages.

“NIT approved for Rs. 20,92,695/- (Rupees Twenty Lacs Ninety-Two Thousand & Six Hundred Ninety-Five Only)”

**Assistant Engineer (E) P
DED-81, C.P.W. D**

**Executive Engineer (E)
DED-81, C.P.W.D**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING
PART OF BIDDOCUMENT AND TO BE POSTED ON WEBSITE**

The Executive Engineer (E), DED-81, CPWD, Block No. 13, CGO Complex, Lodhi Road, New Delhi. Ph No. 011-24367152, (E-mail:- deleeced3.cpwd@nic.in), on behalf of the President of India invites online percentage rate bids from approved and eligible contractors of CPWD and those of appropriate list of Registered contractor in CPWD in appropriate class of **Buildings & Roads category** in single bid system for the following work:-

S. No.	NIT No.	Name of work & Location	Estimated cost put to bid	Earnest Money	Stipulated Period of Completion of work (in months)	Pre bid conference	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Time and Date of opening of Price Bid
1	2	3	4	5	6	7	7	8
1	15/EE(E)/DED-81/2026-27 - Recall I	MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wetriser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH: - EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2 nd floor.)	Rs.20,92,695/-	Rs. 41,854/-	03 Months	01-06-2026 at 15:00 hrs	04-06-2026 Upto 15:00 hrs	04-06-2026 at 15:30 hrs

....*... Blanks to be filled by EE (E), DED-81, CPWD, New Delhi.

1. The successful bidder (to be called as Main Contractor) shall have to associate specialized agency(s) for execution of the following specialized work(s) as per eligibility criteria defined in **SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES.**
 - a) **Supply, Installation, Testing and Commissioning of CCTV System**
 - b) **Supply, Installation, Testing and Commissioning of Kitchen equipment's.**
2. 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.
3. Information and instructions for bidder posted on website shall form of bid document.
4. The tender 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 from website <https://etender.cpwd.gov.in> or <https://cpwd.gov.in> free of cost.
5. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid

submission and uploading the mandatory scanned documents such as **Insurance surety Bonds, Account Payee Demand Draft or Bankers Cheque or Fixed Deposit Receipt or / and Bank guarantee issued by any commercial bank towards EMD in favour of Executive Engineer(Elect.), ECD-III, CPWD, CGO Complex, Lodhi Road, New Delhi,** receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE), CPWD and other documents as specified.

6. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
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 instruction 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 will 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 rate in the prescribed column(s) meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
11. 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 a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
12. Copy of enlistment order and other documents as specified in the tender documents for eligibility shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all scanned and uploaded document as specified intender document shall be submitted by the lowest bidder within a week physically in the office tender opening authority.
13. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of work in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.
14. All cess/duties/taxes as applicable on the date of receipt of tender shall be borne by the contractor. The contractor shall quote his rate considering all such cess/duties/taxes. Contractor must have GST registration for becoming eligible to participate in tender.
15. The bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent upon any misunderstanding or otherwise shall be allowed.
16. The bidders who propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, which contain any other conditions of any sort including conditional rebate will be summarily rejected.
17. The tenderer should read all the instructions, terms & conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender document very carefully, before quoting the rates.

18. The tenderer should also read the **General Condition of Contract for maintenance works 2023 (Amended up to date of receipt of tender)** published by the DG(W) CPWD, Nirman Bhawan, New Delhi which will be part of the agreement with up to date of amendments i.e up to date of receipt of tender.
19. The contractor shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.
20. The contractor has to follow standard operating procedures and guidelines for construction & maintenance site for covid-19 outbreak issued vide OM No.2/9/2020-WII/DG/169 dated 05.05.2020 available on CPWD website along with all existing guidelines whenever required. It will also form as a part of the agreement.
21. 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.
22. **Any suggestions/clarification regarding NIT will be addressed during Pre Bid meeting to be held on 01-06-2026 at 15.00 hrs in the office of Executive Engineer (E) DED-81, CPWD, Block No.13 Ground Floor, CGO Complex, Lodhi Road, New Delhi-110003.**
23. **At the time of submission of Performance Guarantee, intending bidder shall submit along with performance guarantee after acceptance of Tender an undertaking from the OEM of regarding:**
 - a) **Authorization certificate**
 - b) **The OEM shall unconditionally support the lowest tenderer technically throughout the execution of contract as well as for maintenance/comprehensive maintenance contract for the useful life of the system, and**
 - c) **OEM shall provide all the spares required for healthy functioning of the equipment for at least seven years from the date of supply of equipment or OEM Standard practice.**

List of Documents to be scanned and uploaded within the period of bid submission:

1. Receipt of EMD as per proforma.
2. Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.*(Validity period of EMD should be 90 days from the last date of submission of bid)*
3. Enlistment Order of the Contractor.
4. GST Registration Certificate if already obtained by the bidder.
Or
If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking on a Non Judicial Stamp Paper of Rs.100/-, duly notarized, along with bid documents, "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, 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".
5. Copy of Valid Electrical Contractor License or undertaking that **"I/We will either obtain valid electrical license at the time of execution of electrical work or associate contractor having valid electrical license of appropriate class."**
6. The intending bidder shall upload an undertaking that **"I/We shall submit the documents of Associated specialized Agencies/ OEM of the equipment as per the eligibility criteria mentioned in the special conditions of NIT for association of specialized agencies along with performance guarantee, otherwise department may reject my/our tender & may forfeit the deposited EMD absolutely & debar me/us from re-tendering for this work"**.
7. Certificate of ERP Training of enlisted contractor or his authorized representative as per DG/Enlist. Rules-2023/10 Dated 22.04.2024 for compulsory ERP training through any of the CPWD Regional Training institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit at of CPWD. Certificate should be issued through LMS (Learning Management System) in e-Nirmit.
8. Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)

NOTE: Please note that EMD should be in favour of EXECUTIVE ENGINEER (E), ECD-III, CPWD, NEW DELHI.

**Assistant Engineer (E) P
DED-81, C.P.W. D**

**Executive Engineer (E)
DED-81, C.P.W.D**

1. The Engineer-in-Charge/DDH of any divisions/projects of CPWD or any other officer designated by CPWD Directorate from time to time, are authorized to receive the EMDs. These authorities should receive the original EMD for their tenders or tenders of any other division/projects
2. The NIT approving authority/ Tender inviting authority at the time of issue of NIT also fills and upload the following prescribed format of receipt of deposition of original EMD along with NIT

RECEIPT OF DEPOSITION OF ORIGINAL EMD

Receipt of deposition of original EMD		
(Receipt No. Date... ..)		
1.	Name of Work	MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wetriser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH: - EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.)
2.	NIT No.	15/EE(E)/DED-81/2026-27 - Recall 1
3.	Estimated Cost	Rs. 20,92,695/-
4.	Amount of Earnest Money Deposit	Rs. 41,854/- (to be refunded after receiving the Performance Guarantee)
5.	Last date of submission of bid	04-06-2026 upto 15:00 hrs
(*To be filled by Tender inviting authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)		
1.	Name of Contractor	
2.	Form of EMD	
3.	Amount of Earnest Money Deposited	
4.	Date of submission of EMD	
5.	Signature of EMD receiving Officer: Name and Designation of EMD receiving Officer: Office Stamp:	

Name and Designation of EMD Receiving officer
(EE/AE(P)/AAO) Along with office stamp

3. The Authority receiving EMD in original form examines the EMD deposited by the bidder and issues receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting authority. **The receipt can also be issued by any subordinate gazette authority as authorized by the EE/AAO/AE(E)P.**
4. The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving authority releases the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier, after verification from the e-tendering portal that the particular contractor is not L-1 tenderer and work is awarded.
6. The tender inviting authority calls for original EMD of the L-1 tenderer from EMD receiving authority immediately

CPWD-6 FOR e-TENDERING

Item rate/Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD and those of appropriate list of **Registered contractors in CPWD in appropriate class of Buildings & Roads category** in single bid system and those of appropriate list of M.E,S, BSNL, Railways and State P.W.D. (B&R) or State Govt.'s Department

~~(Strike out as the case may be) dealing with building and roads, if there is no state PWD (B&R) for the work of: - MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.) ”~~

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

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

The work is estimated to cost Rs. 20,92,695/- This estimate, however, is given merely as a rough guide.

The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders. **-N.A.-**

~~For Building & Roads category tender, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of renderer will correspond to ` the combined estimated cost of different components put to tender.~~

~~Intending tender is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:- **-N.A.-**~~

~~Criteria of eligibility for submission of tender documents~~

~~**Conditions for non-CPWD contractors only, if tenders are also open to non-CPWD contractors. For works estimated cost up to Rs. 15 Crore (the figure of Rs. 15 Crore may be modified as per tendering limit of CPWD class I contractors of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be)**~~

~~Three similar works each of value not less than Rsor two similar work each of value not less than Rs. or one similar work of value not less than Rs.~~

~~(all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.~~

~~**Note :-**~~

~~For works costing above Rs. 3 Crore but up to Rs. 15 Crore, (the figure of Rs.3 Crore and Rs. 15 Crore may be modified as per tendering limit of CPWD CPWD 6 for e-tendering modified up to 26.08.10-class II and CPWD Class I contractors respectively of respective discipline such as Electrical, Horticulture and Furniture etc. as the case may be) when tenders are open to non CPWD contractors also, then class II contractors of CPWD shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above. **-N.A.-**~~

Criteria of eligibility for CPWD as well as non-CPWD contractors.

For works estimated to cost above Rs. 30 Crore.

~~Three similar works each of value not less than Rs.....or two similar work each of value not less than Rs. or one similar work of value not less than Rs. (all figures rounded to nearest Rs.10 lac) in last 7 years ending last day of the month previous to the one in which the tenders are invited.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of tender.~~

To become eligible for issue of tender, the tender shall have to furnish an affidavit as under:-

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back 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 forever. 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 forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

When tenders are invited from non-CPWD contractors and CPWD class II contractors, it will be mandatory for non-CPWD contractors and CPWD class-II contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2.

1. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tender shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

2. The time allowed for carrying out the work will be **03 Months** 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 tender documents.

3. The site for the work is available.

OR

The site for the work shall be made available in parts as specified below: - **-N.A.-**

5 The tender 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 from website <https://etender.cpwd.gov.in> or <https://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 tender 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 tender as notified.

8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9. 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 **Executive Engineer (Elect.), ECD-III, CPWD, CGO Complex, Lodhi Road, New Delhi-110003**) shall be scanned and uploaded to the e-tendering website within the period of bid submission.

The original EMD should be deposited either in any Office of CPWD (upto division office) within the period of bid submission. The EMD receiving Executive Engineer/Assistant Engineer/AAO shall issue a Receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by 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 including e- 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.

9A. The bid submitted shall be opened on **04-06-2026 at 15:30 hrs.**

10. The bid submitted shall become invalid if:

- i) The bidder is found ineligible.
- ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
- 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 quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. The contractor, whose bid is accepted, will be required to furnish performance guarantee at 5% (Five Percent) of the tendered amount as mentioned in Schedule “E” and 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 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, then EMD submitted shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with the 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 and Programme Chart (Time and Progress) within the period specified in Schedule F.**

12. Intending Tenders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 tender. A tender 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 tender 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 tender by a tender 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.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tender shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tender shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to tender 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 a 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 gazette 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.

17. 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 previous 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 tender or engagement in the contractor's service.

18. The bid for the works shall remain open for acceptance for a period of **Thirty (30) days from the date of opening of bids.**

i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 hours basis) 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 issued or not.

iii) Withdrawal of the tender, by the tenderer shall only be made through e-tender portal. Any other method i.e. through letter / email etc. shall not be considered. The tender inviting authority gets intimation through SMS and email in this regard.

iv) If contractor fails to furnish the prescribed performance guarantee within the prescribed period, the earnest money is absolutely forfeited to the President automatically without any notice.

v) In case of forfeiture of earnest money as prescribed in Para (i) to (iv) above, the bidder shall not be allowed to participate in the re-tendering process of the work.

19. This notice inviting Tender shall form a part of the contract document. The successful tender/contractor, on acceptance of his tender 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 tender as uploaded at the time of invitation of tender 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 or other Standard C.P.W.D. Form as mentioned

**Assistant Engineer(E)-P
DED-81 CPWD,
CGO Complex, New Delhi**

**Executive Engineer(E)
DED-81 CPWD,
CGO Complex, 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, 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 respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for Thirty (30) days from the due date of its opening in case of single bid system ~~or 75 (Seventy Five) days from the date of opening of Technical bid in case tenders are invited on two /three bid system for specialized work~~ and not to make any modification in its terms and conditions.

A sum of Rs. 41,854/- is hereby forwarded in **Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee (for balance amount as prescribed) issued by any of the Commercial Banks as earnest money.**

A copy of earnest money in Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee (for balance amount as prescribed) issued by any of the Commercial Banks 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 Earnest Money & 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 back 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 forever. 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 forfeit the entire amount of Earnest Money Deposit/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
Postal Address.....
Telephone No.....

Witness:.....
Address:.....
Occupation:.....

FAX.....
E-MAIL.....

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 _____

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

For & on behalf of President of India

**Executive Engineer
(E)DED-81, CPWD,
CGO Complex, New Delhi**

Dated:

.....

SCHEDULES

SCHEDULE 'A'

Schedule of quantities (enclosed)

As per Schedule of work attached.

SCHEDULE 'B'

Schedule of materials to be issued to the contractor:

S. No.	Description of item	Qty.	Rates in figures & words at which the material will be charged to the contractor.	Place of issue
1	2	3	4	5
----- NIL -----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor:

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
----- NIL -----			

SCHEDULE 'D'

Extra schedule for specific requirements / : NIL
documents for the work, if any.

SCHEDULE 'E'

Reference to General Conditions of contract	:	General conditions of contract for Maintenance Work-2023 with amendment issued up to date of submission of tender.
Name of work	:	MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH: - EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.)
Estimated cost of work	:	Rs. 20,92,695/-
(i) Earnest money	:	Rs. 41,854/-
(ii) 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 Eighty Percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, <u>in addition to the requirement under (a) above, shall be increased by an amount</u> equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii) Security deposit	:	2.5% of tendered value

SCHEDULE 'F': -

General Rules & Directions: -

Latest GCC provisions

Officer inviting tender:	:	Executive Engineer (E), DED-81, CPWD, CGO Complex, 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 Clause-12 below

Definitions:

2 (v) Engineer-in-Charge	:	Executive Engineer, DED-81, CPWD, CGO Complex, New Delhi.
2 (viii) Accepting Authority	:	Executive Engineer, DED-81, CPWD, CGO Complex, New Delhi.
2 (x) Percentage on cost of materials and labour to cover all overheads and profits.	:	15%
2 (xi) Standard schedule of Rates	:	DSR E&M 2025 with amendments and up to date corrections, Market rate, Minimum wages as per Govt. of Delhi or Central Government.
2 (xii) Department	:	CPWD
9 (ii) Standard CPWD contract form	:	GCC 2023 (Maintenance Work) for CPWD works as amended/ modified up to submission of the tender.

Clause 1

Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour license, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance.	:	07 days
Maximum allowable 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, DC-8, CPWD, IP Bhawan, New Delhi.
--	---	--

Clause 2A**Whether Clause 2A shall be applicable** : No**Clause 5**Number of days from the date of issue of letter of acceptance for reckoning date of start. : **10 Days****Note:** - Levy of compensation under clause-2 will be granted by the **Superintending Engineer, DC-8, CPWD, IP Bhawan, New Delhi.** Or His successor**MILE STONE (S) AS PER TABLE GIVEN BELOW****Table of Milestone (s)**

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	% Amount of tendered cost to be with-held in case of non-achievement of milestone
NOT APPLICABLE			

Time allowed for execution of work	:	03 Months
------------------------------------	---	------------------

Authority to decide:

1. Authority to convey the decision of shifting of milestone and extension of time	:	Engineer-in-charge
2. Rescheduling of mile stones and extension of time	:	Superintending Engineer, DC-8, CPWD, IP Bhawan, New Delhi
3. Shifting of date of start in case of delay in handing over of site	:	Superintending Engineer, DC-8, CPWD, IP Bhawan, New Delhi

Clause 5/5A Applicable : **Clause 5 Applicable****Clause 6, -**(Whether Clause 6 shall be applicable Electronic Measurement Book (EMB) through CPWD ERP portal - **Yes****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.	:	05 Lakhs or mutually agreed
Clause 7 A:-Whether Clause 7A shall be applicable.	:	Yes

Clause 10A: -

List of testing equipment to be provided by the contractor at site lab. : **As per requirement at site & as per Direction of Engineer-in-Charge.**

Clause 10 – B(i): -

Whether clause 10-B(ii) shall be applicable : **No**

Clause 10C – Payment on Account of increase in Price/Wages due to Statutory Order(s):

Applicable

Clause 10 CA	Materials covered under this clause	Nearest material (other than cement, reinforcement bars and structural steel) for which All India Wholesale price index to be followed	Base price of all the materials covered under clause 10CA
Not Applicable			

Clause 10CC: -

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column. : **-Not Applicable--**

Schedule of component of other Materials,

Labour, POL etc. for price escalation.

Component of civil (Except materials covered under clause 10 CA)/ Electrical construction materials expressed as percent of total value of work.	Xm	Not Applicable
Component of labour expressed as percent of total value of work.	Y	
Component of POL expressed as percent of total value of work.	Z	
Clause 11		
Specifications to be followed for execution of work		
ELECTRICAL WORKS:	a) CPWD General Specifications for Electrical work Part-I Internal -2023, amended up to date.	
	b) CPWD General Specifications for Electrical work Part-II External -2023, amended up to date.	
	c) CPWD General Specifications for Electrical work Part-III-Lift & Escalators- 2003, Part-IV Sub Station–2013, Part V Wet Riser & Sprinkler Systems– 2020, Part VI Fire Detection and Alarm System– 2018, Part VII D.G. Sets - 2013, Part VIII Gas Based Fire Extinguishing System 2013, General Specifications for Heating, Ventilation & Air-Conditioning (HVAC)– 2024 amended up to date..	

Clause 12

Type of Work	Maintenance works
Authority to decide deviation up to 1.50 times Tendered amount.	Superintending Engineer DC-8, CPWD, New Delhi or successor thereof. The completion cost shall in no case exceed 1.5 times of the contract amount. The completion cost includes Gross amount of the work done, amount of extra items, deviation and escalation amount administrable as per terms and conditions of agreement etc.
Authority to decide deviation upto 1.25 times of the tendered amount.	Engineering – in – charge
Authority to decide deviation beyond 1.5 and upto 2.0 times of the tendered amount.	Not applicable
Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work / foundation work.	All deviated quantities shall be paid on agreement rates.
Deviation limit for individual items	No limit

Clause 16 :-

Competent Authority for deciding reduced rates

**Superintending Engineer, DC-8, CPWD, IP
Bhawan, New Delhi.**

Clause 18 :-

1. Electrically operated chase cutting machine
2. Electrically operated core cutting machine
3. Megger
4. Tong tester
5. Any other machinery, tools and plants as per requirement at site.

Clause 19C :- Authority to decide penalty for each default

As per Engineer-in-Charge

Clause 19D:- Authority to decide penalty for each default

As per Engineer-in-Charge

Clause 19G: Authority to decide penalty for each default

As per Engineer-in-Charge

Clause 19K: Authority to decide penalty for each default

As per Engineer-in-Charge

Clause 25 :

Constitution of Dispute Redressal Committee (DRC)	
For all claims in dispute	
1. Conciliator	ADG(Delhi)
2. Arbitrator Appointing Authority	SE, DC-8, CPWD, New Delhi
3. Place of Arbitration	New Delhi.

Clause 32 :-**“Requirement of Technical Representative (s) and Recovery Rates”**

S. No.	Minimum Qualification of Technical Representative	Discipline	Design. (Pr. Tech. / Tech. Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32	
						Figures (in Rs.)	Words
1.	Graduate Engineer OR Diploma Engineer	Electrical/ Mechanical	Project Manager cum Planning / quality /site / billing Engineer	2 OR 5 respectively	1	Rs. 25000/- Per Month Per Person	Rs. Twenty- Five Thousand Only

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma holder with Minimum 10-year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the 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 N.A printed by CPWD with up-to-date correction slips.
- (ii) Variations permissible on theoretical quantities:

a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	N/A
for works with estimated cost put to tender more than Rs 5 lakh	N/A
b) Bitumen for all works.	N/A
c) Steel Reinforcement and structural steel sections for each diameter, section and category.	N/A
d) All other materials.	Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor.	
		Excess beyond permissible variation	Less use beyond the permissible variation
-----NIL-----			

**Assistant Engineer (E)-P
DED-81 CPWD,
CGO Complex, New Delhi**

**Executive Engineer(E)
DED-81 CPWD,
CGO Complex, New Delhi**

**On Non-Judicial Stamp Paper Of Minimum
Rs. 100(CPWD, OM No. DG/CON/311 dated
20.10.2020)**

(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 (E), DED-81, CGO Complex, New Delhi-110003. on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT Number).....dated.....for.....(Name of work : "MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.) " The Govt. has further agreed to accept irrevocable Bank Guarantee for Rs. (Rs..... only) valid upto.....(date)*.....as Earnest Money Deposit from.....(name and address of the 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 (E), DED-81, CPWD, CGO Complex, New Delhi** 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: **MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.)** The Government has further agreed to accept an irrevocable bank Guarantee for Rs.....(Rupees.....only) valid upto.....(date).....as Performance Guarantee/Security Deposit/Mobilization Advance from the said 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 to the Govt. an amount not exceeding Rs..... (Rsonly) on demand by the Govt. within 10 days of the demand.
3. We,(indicate the name of the bank)... do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Govt. stating that the amount claimed is reqd. to meet the recoveries due or likely to be due from the Said contractor. 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.....(Rupees... only)
4. We,(indicate the name of the bank)....., further undertake to pay the Govt. any money so demanded notwithstanding any dispute or disputes raised by the contractor 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 shall have no claim against us for making such payment.
5. We,(indicate the name of the bank)...., further agree that the Govt. shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Govt. against the said contractor and 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 or for any forbearance, act of omission on the part of the Govt. or any indulgence by the Govt. to the said Contractor 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 Govt. 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 Govt. 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.
8. We,(indicate the name of the bank)....., undertake not to revoke this guarantee except with the consent of the Govt. in writing.
9. This Bank Guarantee shall be valid upto.....unless extended on demand by the Govt. notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees..... Only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

DATE

WITNESS

Signature....

Name and Address

Authorized signatory

Name

Design

ation

Staff

Code

No.

Bank

Seal

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 paragraph 1, 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.

(CPWD, OM No.DG/SOP/14 dated 20.10.2020)

(Proforma for encashment of BG to be issued 14 days before its expiry)

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
दि.वै.मं-81, सीजीओ काम्पलैक्स,
नई दिल्ली

To,
The Manager

...(Name & Address of Bank)... ..

.....

.....

Subject : Request for encashment of Bank Guarantee number.....dated..... for Rs.....valid up to.....

towards earnest money deposit/performance guarantee/security deposit/mobilization advance (As applicable)

Name of Contractor:

Dear Sir,

The above mentioned Bank Guarantee numberdated..... is valid up to.....In terms of paragraph 2 of the said Bank Guarantee, the Govt. of India hereby demands a sum of Rs.....(Rupees..... only) payable under this Bank Guarantee since this amount is required to meet the recoveries due from.....(name of the contractor)..... The amount shall be paid latest by (give date).....by transfer to account number.....

The aforesaid Bank Guarantee is being sent to you through.....(name and designation) along with this letter.

Enclosure : Bank Guarantee

Yours faithfully,
Executive Engineer
(E)DED-81, CPWD
CGO Complex, New

Delhi Copy to:.....(Name & address of the contractor).....

(CPWD, OM No.DG/SOP/14 dated 20.10.2020)
(Proforma for encashment of BG to be issued 14 days before its expiry)

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
दि.वै.मं-81, सीजीओ काम्प्लैक्स,
नई दिल्ली

To,

The Manager
(Name & Address of Bank).....
.....
.....

Subject: Request for encashment of Bank Guarantee number.....dated..... for Rs.....valid up to..... towards earnest money deposit/performance guarantee/security deposit/mobilization advance (As applicable)

Name of Contractor:

Dear Sir,

The above mentioned Bank Guarantee numberdated..... is valid up to..... In terms of paragraph 2 of the said Bank Guarantee, the Govt. of India hereby demands a sum of Rs.....(Rupees.....only) payable under this Bank Guarantee since this amount is required to meet the recoveries due from.....(name of the contractor)..... The amount shall be paid latest by.....(give date).....by transfer to account number.....

The aforesaid Bank Guarantee is being sent to you through.....(name and designation).....along with this letter.

Enclosure : Bank Guarantee

Yours faithfully,

Executive Engineer (E)
DED-81, CPWD
CGO Complex, New Delhi

Copyto:.....(Name & address of the contractor).....

FORM-I

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF SPECIALIZED WORK(S)

Name of work: **MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wet riser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI work in Basement and Ground floor, CCTV work, Chimney work in Canteen area at 2nd floor.)**

1. I / We hereby give my consent to associate with M/s, for executing the of work of.....(Mention specialized work(s)).
2. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer-in-Charge for the corresponding specialized work(s) till the completion of the work.
3. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during he maintenance/warranty period.
4. Also, I/We will employ full time technically qualified Engineer/supervisor for the specialized work(s) component of the work as required for the work and list of same shall be made available to Engineer-in-Charge. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Main Agency/Contractor

Signature with date of Associate
Specialized Agency

Address:

Address:

1. Witness with address (From Main
Contractor side)

2. Witness with address (From Associated
Agency side)

FORM-II

PROPOSAL FOR ELIGIBLE ASSOCIATING AGENCIES FOR SPECIALIZED WORK(S)

I/we hereby propose the following agencies to be associated as per mentioned against each for executing corresponding specialized work(s). Their consent letters are also attached as per FORM- I

Sl. N.	Name of Associated Specialized Agency	Category and class of CPWD registration/ Enlistment (if any)	Registration / Enlistment copy/ completion Certificates attached	Validity of registration /Enlistment	Value of Gross Work Done of Specialized work	Experience Certificate attached (Yes/No)	Consent letter attached (Yes/No)
Sub Work - I							
1							
2							
3							
Sub Work - II							
1							
2							
3							

Signature of Main Contractor

FORM-III

MEMORANDUM OF UNDERSTANDING [MoU] BETWEEN MAIN CONTRACTOR AND ASSOCIATED SPECIALIZED AGENCY

1] M/S[Name of the firm/agency with full address] Enlistment Status

Valid Upto:

[Hence forth called the Main Contractor]

and

2] M/S[Name of the firm/agency with full address] Enlistment Status

Valid Upto:

[Hence forth, called Associated Specialized Agency]

For the execution of Specialized Work(s).....
..... as per schedule, specifications, terms and conditions of the agreement.

We state that MoU between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date] and the department [CPWD] can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MoU permits. In case of any dispute, either of us will go for mediation by the EE (C) / EE (E), CPWD, New Delhi. Any of us may appeal against the mediation to the SE, DC-8, CPWD, New Delhi. His decision shall be final and binding on both of us.

We have agreed as under:-

- 1) The Associated Specialized Agency will execute all specialized work(s) in the whole some manner as per terms and conditions of the agreement and as per the direction of the Engineer-in-charge.
- 2) That the Associated Specialized Agency has gone through the contract and has understood the scope of work required for the purpose of executing the specialized work(s).
- 3) All the machinery and equipment, tools and plants, special T&P required for execution of the specialized work(s), as per agreement, shall be the responsibility of the Associated Specialized Agency.
- 4) The site staff required for the specialized work(s) shall be arranged by the Associated Specialized Agency as per terms and conditions of the agreement.
- 5) Site order book maintained for the said work shall be signed by the authorized representative of Main Contractor as well as associated specialized Agency.
- 6) All the correspondence regarding execution of the specialized work(s) shall be done by the Department with the Main Contractor. In case of non-compliance of the provisions of agreement, the Main Contractor, shall be responsible for any failure of Associated agency. The action under clauses 2 and 3 shall be initiated and taken against the Main Contractor.

Signature of Main Contractor

Agency Date:

Place:

Place:

Signature of Associated Specialized

Date:

WILLINGNESS CERTIFICATE

I will execute the work as per specifications and conditions for the agreement and as per direction of the Engineer-in-charge. Also I will deploy full time technically qualified supervisor for the works. I will attend inspection of officers of the department as and when required.

“I/We undertake and confirm that eligible similar work(s) has /have not been got executed through another contractor on back 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 contracts in future forever.”

“I have also read the complete tender conditions and I am aware that PART-A of this tender document is applicable to me also”

Date :

Signature of Associated Specialized Agency

SPECIAL CONDITIONS FOR ASSOCIATION OF SPECIALIZED AGENCIES

- It should be noted that only the associated agencies engaged by the contractor for specialized services shall disburse the payment of salaries, EPFO, ESIC and other relevant documents of the workers deployed by it and only the documents submitted by the associated agencies for payment of salary and ESIC & EPFO shall be accepted. The main contractor shall in no way be concerned with the payment and other remuneration of the workers of the specialized / Associated agencies.

1. The main contractor shall have to associate other agency(s) (Joint ventures are not accepted) for execution of each of these specialized work(s), who fulfils the eligibility criteria as defined below:-

S.No	Sub-Head	Component of E&M works	Estimated cost	Eligibility criteria
1	SH-II	SITC of CCTV	Rs. 6,01,654/-	Three similar works each of value not less than Rs. 2,40,662/- (40% of the Estimated cost) OR Two similar works each of value not less than Rs. 3,60,992/- (60% of the Estimated cost) OR One similar works each of value not less than Rs. 4,81,323/- (80% of the Estimated cost) Similar Work: - SITC of CCTV.
2	SH-III	SITC of Kitchen Equipment	Rs. 421,689/-	Three similar works each of value not less than Rs. 1,68,676/- (40% of the Estimated cost) OR Two similar works each of value not less than Rs. 2,53,013/- (60% of the Estimated cost) OR One similar works each of value not less than Rs. 3,37,351/- (80% of the Estimated cost) Similar Work: - SITC of Kitchen Equipment.

Note:-

- 1) The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last date of submission of tenders.
- 2) Should have satisfactorily completed the works as mentioned below during the last Seven years ending last day of the month previous to the one in which tenders are invited.
- 3) However, the composite category contractor may also be eligible to carry out himself /herself any or all of the above specialized works mentioned only without associating any specialized agency provided: -
- 4) The main agency fulfils the prescribed eligibility criteria respectively for the above specialized work(s).
- 5) The intending bidder shall upload an undertaking that **“I/We shall submit the documents of Associated specialized Agencies/ OEM of the equipment as per the eligibility criteria mentioned in the special conditions of NIT for association of specialized agencies along with performance guarantee, failing which department may reject my/our tender & may forfeit the deposited EMD absolutely & debar me/us from re-tendering for this work”**.
- 6) The main contractor shall have to submit documents of proposed associated specialized agencies (for Sl.No. 1 a) such as (i) Self attested copies of Certificates of Work Experience/Completion certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent, clearly indicating. a) Name of work, b) Scope of Work, c) Agreement No., d) Estimated Cost, e) Tendered Cost, f) Final Value of Work Done, g) Date

of Start, h) Stipulated date of Completion, i) Actual date of completion, j) Nature of the Work etc. (In case some of above said details are not mentioned in the Completion certificate, the firm shall attach sample proof in support of above details), (ii) Self attested copy of valid Electrical contractor license (if applicable), (iii) GST registration for approval of the department **as per eligibility requirement mentioned in above** along with the performance guarantee after the acceptance of tender.

- 7) Original consent letter of such selected associated specialized agencies for association shall also be enclosed in the prescribed format as per FORM-I along with documents.
- 8) The main contractor has to submit all the requisite documents with regard to specialized agencies to be associated as per NIT. If the main contractor fails to submit **all these documents** of the proposed associated specialized agencies as mentioned above, along with the performance guarantee after the acceptance of tender, department may forfeit the deposited EMD absolutely without any further notice & debar the contractor from re-tendering for this work.
- 9) After approval of associated specialized agencies by Engineer-in-charge, the main contractor will submit MOU(s) signed with the associated specialized agency as per FORM-III the shape of affidavit on stamp paper duly attested by notary in original **within 7 (Seven) Days** after issue of approval letter (for associate specialized agency). The MOU(s) shall be signed by both the parties i.e. main contractor as 1st party and associated specialized Agency as 2nd party, independently for all specialized work(s). In case the main contractor fails to submit required MOU(s) within above prescribed period, the department may forfeit the deposited Performance Guarantee absolutely without any further notice & debar the contractor from re-tendering for this work.
- 10) All technical discussions during currency of the contract, shall be attended by the associated specialized agencies and the main contractor. Commercial/Technical submissions for the specialized work(s) shall be signed and submitted by the associate specialized agencies along with the main contractor.
- 11) The associated specialized agencies and the main contractor shall attend the site during inspection of the work by the Engineer-in-Charge or higher authority.
- 12) The main contractor shall be entirely responsible and answerable for all the works done by his associated specialized agency regarding their quality, adherence to the laid down specification, terms and conditions, warranty & guarantee etc as per the agreement and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.
- 13) In the event of the concerned Associated specialized Agency not performing satisfactorily or failure to complete the specialized works(s), the main contractor on written directions of the Engineer-in-charge, shall remove the Associated specialized Agency deployed on the work and shall submit name of new associated Specialized Agency as per eligibility criteria mentioned in the NIT to execute the left over specialized work(s) without any loss of time after completion of all formalities mentioned in the NIT.
- 14) Also if main contractor wants to change the associated specialized agency during the currency of the contract he shall submit name of new associated Specialized Agency per eligibility criteria mentioned in the NIT to execute the leftover specialized work(s) after completion of all formalities mentioned in the NIT.
- 15) The main contractor shall be responsible and liable for proper and complete execution of the all works including specialized work(s) and ensure coordination and completion of all associated specialized agencies.
- 16) Running payment for the work shall be made to the main contractor. In case main contractor fails to make the payment to the associated specialized agency(s) by him within 15 days of receipt of each running account payment then on the written complaint of any associated specialized agency(s) for such work, Engineer-in-Charge shall serve the show cause to main contractor and after considering the reply of the same he may make the payment directly to the concerned associated specialized agency(s) for the work as per the terms & conditions of the agreement/M.O.U. drawn between main contractor and associated specialized agency fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to the associated specialized agency(s) shall be recovered by Engineer-in-Charge from the next RA/final bill due to main contractor as the case may be.

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/Manual-2024/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 27.02.2026

Sub: Modification in Para 5.2 for CPWD Works Manual 2024.

Following modification is made in Para no. 5.2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
5.2 Performance Guarantee	5.2 Performance Guarantee
Sl. No. 1	No Change
2. PG shall be 5% of the contract amount or as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.	2. PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher , or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.
Sl. No. 3	No Change
4. No provision	4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.
5. No provision	5. Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be

1-2 Jindal
EEEC Contract

	<p>0.8A – 0.7A). The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.</p>
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This is issues with the approval of DG CPWD.

Chander Pal 27-02-2026
(चन्द्र पाल)
अधीक्षण अभियंता (सी.एच.एम.) (सी.एच.एम.)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/16(1)/2026 e-file 9212995 (DFA/ 9365789)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनवि वेबसाईट के माध्यम से)

D.P. Jindal 27/2/16

D.P. Jindal
EE (Contract)

GENERAL TERMS AND CONDITIONS

General

1.1 The copy of CPWD General Specifications are readily available in CPWD website www.cpwd.gov.in under the link publication.

1.2 Location:

Work shall be carried out at **CCRAS building, Janakpuri, New Delhi**. The contractor is advised to visit the site of work to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement.

1.3 The work shall be executed as per CPWD General Specifications for Electrical works part-I (Internal) 2023, Part-II (External) 2023, as amended up to date, relevant I.E. Rules, industry standards, BIS/IES and as per directions of Engineer-in-charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these Specific conditions, as the same are to be read along with schedule of works for the work.

1.4 The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.

1.5 No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

2.0 Commercial Conditions

2.1 Type of contract

The work to be awarded by this tender shall be treated as indivisible works contract.

3.0 Terms of payment

1.1 On account payments for part work (after stipulated and statutory deductions) as assessed by the Engineer-in-charge for the applicable items in the Contract shall be payable at part rates not exceeding the percentage indicated against the stages of work.

S.N	Stage of work	Percentage of Rate on Tendered Amount
a	Supply of material at site in good condition along with manufacture's test reports. (except exclusive supply item)	70%
b	On completion of installation in all respect.	20%
c.	Testing, Commissioning & handing over to the department.	10%

For other items, the part rates will be decided by the Engineer-In-Charge of the work and shall be binding on the contractor.

3.2 Security Deposit

Security Deposit shall be deducted from each running bill and the final bill to the extent of 2.5% of the gross amount payable subject to a maximum amount of 2.5% of the tendered value. The security deposit shall be released on the expiry of guarantee period of 12 Months stipulated in the contract. Bank guarantee will not be accepted as security deposit.

3.3 **Performance Guarantee**

The successful tenderer shall submit an irrevocable performance guarantee of 5% of the tendered amount in addition to the other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement within 15 days of issued of letter of acceptance of tender. This guarantee shall be in the form of Demand draft / pay order or irrevocable bank guarantee bond of any scheduled bank or the State Bank of India in the specified format or in the form of Government security, fixed deposit receipt pledged in favour of Executive Engineer or as specified in the letter of acceptance of tender. The performance guarantee shall be initially valid up stipulated date of completion plus 60 days beyond. This bank guarantee shall be kept valid till the recording of completion certificate for the work by the competent authority.

3.4 Income Tax, labour cess & other statutory deductions etc shall be made at source as per the prevalent laws. The deductions of Security Deposit, Income-Tax, Works Contract Tax etc shall be done after calculation of the above due payments as per clauses 3.1 to 3.3 and net payment shall be reduced accordingly.

4.0 **Rates**

4.1 The rates quoted by the tenderer, shall be firm and inclusive of all taxes including GST and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site including temporary construction of storage, risks, overhead charges, general liabilities/obligations and clearance from Local Body. However, the fee for the Local Body inspections shall be borne by the department.

4.2 The department will not issue Octroi exemption certificate.

5.0 **Completeness of Tender**

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 wall fan 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.

6.0 **Storage and Custody of Materials**

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.

7.0 **Care of the Building**

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

8.0 **Completion Period**

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc arrangement of materials & equipments, delivery at site including transportation, installation, testing, commissioning and handing over the entire system to the satisfaction of the Engineer-in-charge.

9.0 **Guarantee**

9.1 All equipments shall be guaranteed for a period of 12 months (if not mentioned otherwise) from the date of taking over the installation by the department, against unsatisfactory performance and /or break down due to defective design, workmanship or material. 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 doing this, the same will be 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 & binding on the contractor.

9.2 The tender shall guarantee among other things, the following: -

- a) Quality, strength and performance of the materials used as per manufacturers standards.
- b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.

10.0 Power Supply

(A) Maintenance/Revenue work (i/c Repair/ Renovation/ Up-gradation/ Retrofitting work):-

- (i) Unless otherwise specified, 3 phase, 415 volts, 50 Hz AC power Supply (5 KW load) shall be provided by the department to the contractor at one point for execution of work at site. Termination switchgear and extension cable, however, shall be arranged/provided by the contractor. Further extension, if required, shall be carried out by the contractor himself.
- (ii) (a) For this purpose, the power supply shall be given at the main incomer unit of the electrical panel to be provided by the contractor. The termination of this feeder in the main incomer unit shall be the responsibility of the contractor and nothing extra shall be paid on this account.
 - (b) Unless otherwise specified in the contract, further power distribution to the various equipment shall be done by the contractor.
 - (c) Where the power supply has to be arranged by the Department at more than one point as per the terms of the contract, the termination of all such power feeders in the incomer of respective control panels to be provided by the contractor shall be the responsibility of the contractor and nothing extra shall be paid on this account.
 - (d) The contractor shall use the power supply only for the bonafide use of the work. No work shall be done at site with the supplied power which is not required for execution of work or which pertains to work to be carried out for some other agreement/site or labour camp/office setup etc. The power supply shall be disconnected in case of such default and the contractor shall then have to arrange the required power supply at his cost. Further, if such incidence of use of electricity for other work or other agreement or labour/office setup or In case, any complaint regarding theft/misuse of electricity is found electricity charges @0.5% of Tendered amount or Rs10,000/- per occasion whichever is higher shall be recovered from contractors bill. A written complaint of client department along with its vetting/clarification by officer of CPWD of minimum rank of AE shall constitute a definite and sufficient proof for the alleged theft/misuse and recovery shall be made accordingly which should be nonnegotiable & nonrefundable and no claim in this regard, whatsoever, shall be entertained.
- (e) For use of electricity provided by department as mentioned above, following rates shall be recovered from contractors bills:-
 - (i) For Renovation/Maintenance/Upgradation/Retrofitting work: - 0.15% of Gross work done
 - (ii) For Manpower or Outsourcing work having labour component more than 90%, No electricity charges shall be recovered.
 - (iii) For Works involving steel fabrication / steel work component more than 50% of ECPT: - 01% of Gross work done

(B) Construction/Original work: -

For Construction & maintenance works pertaining to clients, Contractor shall submit undertaking for use of electricity either through his own source (local authority or DG set supply) or through Metered connection provided by client department (In case agreed by client department). The same undertaking shall be submitted along with PG otherwise it shall be presumed that contractor intends to use Client's electricity without meter and in such case **0.10 %** of Gross work done shall be recovered from contractor's bill.

Further, if any incidence of use of electricity for other work or other agreement or labour/office

setup or in case, any complaint regarding theft/misuse of electricity is found electricity charges @0.5% of Tendered amount or Rs25,000/- per occasion whichever is higher shall be recovered from contractors bill. A written complaint of client department along with its vetting/clarification by officer of CPWD of minimum rank of AE shall constitute a definite and sufficient proof for the alleged theft/misuse and recovery shall be made accordingly which should be non-negotiable & non-refundable and no claim in this regard, whatsoever, shall be entertained.

In any case, electricity connection at one point shall be provided by client/department, if available and agreed by client department. However, contractor shall be responsible for arranging power supply and there shall be no obligation from department to make available power supply for execution of work and while quoting, contractor has to keep in mind that power and water has to be arranged by contractor himself at his own cost and included in the quoted rates. No hindrance on account of non-availability of power supply from client department or CPWD shall be considered and contractor shall be responsible for any delay in work on account of above.

11.0 **Water Supply**

Arrangement of Water supply for testing & for successful installation & completion of the system shall be in the scope of successful firm without any extra cost.

12.0 **Acceptable Makes of Various Equipments**

The List of acceptable makes of various equipments/components/accessories have been indicated in "NIT". The tenderer shall work out the cost of the offer on basis of acceptable makes along with other terms & conditions of contract. Alternate makes are not acceptable. The items which are covered or not covered in the approved list of make in the contract, contractor shall submit makes for approval by Engineer-in-charge. Only makes approved in writing by Engineer-in-Charge shall be used at site. Any material brought at site without prior approval of Engineer-in-charge may be rejected, even if the make is available in NIT and contractor shall be responsible for any such rejection of material.

- i. Contractor shall get approval of Makes & Models of material before their use at site. The technical specifications / catalogue shall also be submitted along with submission for approval. In case unapproved material is found to be used /installed at site or kept at site store for installation, department shall not only confiscate such material but also be at liberty to recover cost for removal of material from site from contractors bill.
- ii. **For each item to be used at site, contractor shall submit model number for each item for approval by Engineer-in-charge.** Only approved make & model/material shall be used at site. Any material found at site which has not been approved can be rejected and shall not be paid. Contractor will be solely responsible for non-payment due to use of non-approved material. The submission for material approval shall be minimum two weeks before its use at site.

13.0 The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturers for all items of equipments regarding installation, adjustments operation and maintenance including preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue etc. all in triplicate.

14.0 **Extent of work**

14.1 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 documents in connection with this contract as this is a turnkey job. The quoted rates shall be deemed to be inclusive of all kind of leads, lifts, clearing of site/jungle and nothing extra shall be paid, whatsoever on such account

14.2 In addition to supply, installation, testing and commissioning of complete installation, following works shall be deemed to be included within the scope of work to be executed by the tenderer as this is a

turnkey job.

- a) Minor building works necessary for installation of equipments, foundation, making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc. as required.
- b) All supports for rising mains, cables and MS channels for erection of panels & etc. as are necessary.
- d) Getting Local Body inspection done & obtaining approval for energizing the installation if required. However, necessary fees for inspection shall be borne by the Department.
- e) Arrangement of electric supply (Single / Three phase) and water supply for execution and successful commissioning of the system.
- f) Small wiring, inter-connection etc. inclusive of all materials and accessories, necessary to comply with the regulations as well as proper and trouble-free operation of the equipment.
- g) Closing of the cable entry points in sub-station against seepage of water, rodents etc.
- h) Tools and tackles required for handling and installation.
- i) Necessary testing equipments for commissioning.
- j) Watch and Ward of materials and/or installation and equipments till their handling over to the department.
- k) All minor building works, such as equipments foundation if required cutting and making good holes, grouting of channels belts as required. Cutting and making good damages etc.
- l) Provision of supports/clamps for equipments, cables etc. wherever required.

15.0 **Works to be done by the Department**

Unless otherwise mentioned in the tender specifications the following works shall carried out by the department.

- i) To make the site available for the work. The contractor should select such equipment for installation as can be properly installed in the spaces shown in specification drawings. While no guarantee can be given minor modification required by the contractor if mentioned in the tender or intimated immediately after the receipt of tender shall be carried out if structurally possible.

16.0 Exclusion and work to be done by other agencies:

The following shall be excluded from the scope of the work:

- a) Major dismantling of any existing building work.

17.0 **Inspection and Testing**

- 17.1 All the tests certificates of the equipments are required to submit along with delivery of material.
- 17.2 Copies of all documents of routine and type test certificates of the equipment, /cable carried out at the manufacturers premises shall be furnished to the Engineer-in-charge and consignee.
- 17.3 After completion of the work in all respects the contractor shall offer the installation for testing and operation.

18.0 **Validity**

Tenders shall be valid for acceptance for a period of 30 days from the date of opening.

19.0 Compliance with Regulations and Indian Standards

- 19.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

- i) Factories Act
- ii) Indian Electricity Rules
- iii) BIS & other standards as applicable
- iv) Workmen's compensation Act
- v) Statutory norms prescribed by local bodies, Power supply co. etc.

- 19.2 Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility

for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

- 19.3 Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs. 500/- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

20.0 **Indemnity**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including their party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

21.0 **Erection Tools**

No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

22.0 **Cooperation with other agencies**

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of buildings, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

- 23.0 The work will be carried out with least disturbance during shifting & shut down taken in consultation with the client department.

24.0 **Verification of correctness of equipment at Destination**

The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied and erected.

25.0 **Painting**

This shall include cost of painting of the entire installation.

26.0 **Maintenance**

- 26.1 Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of 1 year from the handing over of the installation.

27.0 **Interpreting specifications**

In the case of discrepancy between the schedule of Items, the specification and/ or the drawings, the following order of preference shall be observed: -

- (a) Schedule of Work.
- (b) Specific Conditions.
- (c) General Terms and Condition.

- (d) Drawings.
- (e) CPWD Specifications.
- (f) NBC – 2016
- (g) Indian Standard Specifications of B.I.S.

However, the order of preference provided is in general and in case of contradiction or otherwise, higher of specifications available in above documents/acts/codes shall be followed. Contractor is advised to quote the rates accordingly keeping in mind that highest of specification available shall be adopted.

- ~~28.0 General Terms & Condition, Special conditions & additional condition mentioned in part B of NIT (i.e. Civil Component of work) shall also be applicable for part C of NIT as well (Not applicable for Electrical exclusive contracts).~~
- 29.0 Excavation shall include hard rock excavation as well and nothing extra shall be paid on this account.
- 30.0 In case cable is laid at depth less than as mentioned in NIT/CPWD specifications recovery at Rs. 15 per 10 cm depth /meter of cable length shall be recovered from bill. This shall also be applicable for GI pipe work, DWC pipe work, Earthing work as well.
- 31.0 Challan & Test Certificate for all items amounting more than Rs. 50,000/- shall be submitted along with running bill in case both Challan & Test certificated are not submitted R.A. bill shall not be considered & contractor shall be responsible for any delay in payment.
- 32.0 Contractor shall submit cable route plan for approval before start of cable work. In case drawings for area /layout are not available with department these drawings shall be prepared by contractor at his on cost. For the purpose of assessment of work contractor is advised to visit the site to get familiar with site conditions before quoting his rates
- 33.0 All cabling & street light work shall be carried out as per CPWD specifications (External) 1995. Contractor shall obtain written clearance from JE/AE in charge of work before refilling the excavated trenches, otherwise it shall be presumed that contractor has not excavated required depth and item/component of item for excavation and refilling for trenches shall not be paid and contractor shall be responsible for such nonpayment.
- 34.0 Contractor shall be fully responsible for shifting of services encountered at site like electrical lines/power cables/ telephone, TV, data cables/electric poles/light poles/feeder pillar (whether energized or not)/dismantling and handing over such material to department. For shifting of such services including dismantling of such material required for smooth working at site, nothing extra shall be paid. Contractor is advised to visit site before quoting his rates.
- 35.0 Measurements shall be recorded for all measurements and levels of work done in the shape of electronic measurement book through CPWD ERP module as per CPWD OFFICE MEMORANDEM NO. DG/CON-Maintenance- 2020/338, dated 13/04/2023) instructions and details.”
- 36.0 It is clarified that being occupied building site will be made available in phases/parts only. The work may also be required to be executed during odd hours/night shift/holidays for which nothing extra shall be paid.
- 37.0 The agency will prepare and submit all drawings sub head wise related to the as per site requirement for obtaining approval of the Engineering – in – charge or his authorized representative. Nothing extra shall be paid on this account.**

SPECIFIC TERMS & CONDITIONS

A- FOR CCTV CAMERAS SYSTEM

1. This specification covers installation, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, commissioning putting into operation of CCTV Surveillance system.
2. The work shall be executed as per CPWD General Specifications for Electrical works amended upto date & as per relevant IS and as per directions of Engineer-in-charge.
3. The tenderer should in his own interest visit the site and familiarizes himself with the site conditions before tendering.
4. No T&P shall be issued by the department and nothing extra shall be paid on account of this.
5. Item must be complete with all equipments and required accessories along with necessary power systems, connectors, plugs, sockets and hardware/software as required for complete installation of the system under this contract and present scope of work and nothing extra shall be payable on this account.
6. The firm should visit the site before quoting their rates so as to satisfy themselves with all site working conditions, cable routes etc.
7. All software & hardware should be in upgraded version.
8. Any damage done to the building/false ceiling/Exhibits is to be made good by the contractor with no extra cost by department.
9. For storage of material, the agency has to make his own arrangement. 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.
10. The Firm shall ensure adequate and prompt after sales service in the form of maintenance, spares and personnel are available at site of work during the guarantee period to minimize the breakdown period. The firm shall also ensure that in the event of any breakdown of the system, that area is made operational within 24 hrs. Otherwise a penalty as deemed reasonable by Engineer-in-charge shall be recovered from the firm (which will be minimum Rs 1000/- per day).

11. DOCUMENT TO BE FURNISHED ON COMPLETION OF INSTALLATION

Three sets of the following shall be furnished to the department by the contractor on completion of work:

- a) Completion drawings
 - b) Manufacturer's technical catalogues of all equipments and accessories.
 - c) Operation and maintenance manual of all major equipments detailing all adjustment, operation and maintenance procedure.
12. Contractor shall get approval of Scheme for CCTV work before commencement of work. Following details shall be included in scheme :-
 - a. Location of cameras
 - b. location of Racks, switches etc
 - c. Cabling layout from camera till control room.
 - d. Technical specifications/catalogue of each component.
 13. CCTV system to be supplied and installed with all software, hardware like sealing joint, connectors (all type LC/SC/GBIC, RJ45 etc), patch cords etc. are deemed to be included in scope of work and nothing extra shall be paid on this account. Contractor is required to work out his costing accordingly.
 - 14. The CCTV camera to be installed must be fully compatible with the existing installed CCTV system of Impulse make for which nothing extra shall be paid. Hence agencies are advised to visit the site before bidding. No claim in this regard will be entertained there on.**

Assistant Engineer (E)-P
DED-81, CPWD

Executive Engineer (E)
DED-81, CPWD

ADDITIONAL TERMS AND CONDITIONS

1. The work shall be executed as per relevant CPWD General Specifications amended upto date and as per the directions of Engineer-in-Charge. All the material shall be got approved from Engineer-in-Charge before actual use at site.
2. No T&P shall be issued to the contractor.
3. **The firm shall produce the warranty certificate of not less than One year for complete items and spare parts mentioned in the schedule.**
4. No extra payment payable for wastage of labour.
5. The watch & ward of the materials issued to the Contractor or installed at site shall be responsibility of the Contractor till the installations on completion are finally handed over to the Department.
6. The execution of the job shall be done in a workman like manner to give structurally sound and neat appearance.
7. If any item is to be different then whatever mentioned in the schedule it should specifically brought out while quoting for the tender.
8. The work shall be carried out in existing occupied building hence labour is to be engaged as per availability of site, no claim for idle labour will be accepted.
9. Any malba generated due to dismantling/execution shall be cleared from the site of work immediately without any extra cost failing which same shall be done by the department and suitable recovery shall be made form the contractor.
10. Any misbehavior, impersonation & security breaches caused by the labour will not be tolerable at all. The contractor shall be fully responsible for such acts of omission if any legal action is initiated by the competent authority for violating the security measures.
11. Agency has to submit the product specification/ technical data sheet within the 15 days after the award of work for approval from the Engineer-in-charge.

Assistant Engineer (E)-P
DED-81, CPWD

Executive Engineer (E)
DED-81, CPWD

LIST OF PREFERRED MAKES OF MATERIALS

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the **Engineer-in-Charge** are listed below. However, approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market and subject to approval of the alternate brand by the **Engineer-in-Charge**, (See also conditions of contract)

S.No.	Details of Materials/Equipment	Manufacturer's name/make
Internal Electrical Installation		
1	MCB, MCCB, Isolator, Industrial Plug Socket, RCCB, RCBO's.	Schneider Electric ACTI-9/ Legrand(DX3)/ L&T(Exora)/Siemens(Betagard)/ABB(SB200M).
2	MCBDB & Loose Wire Box.	Legrand/L&T/Schneider/ABB(Elegance)/Siemens
3	Change Over Switch.	L&T/Havells/HPL/C&S/Legrand/ABB
4	Automatic Transfer switch(ATS)	Cummins/Asco/Russelectric/ABB/L&T/GE
5	FRLS PVC insulated copper conductor single core cable for wiring (ISI marked).	Finolex/RR Kabel/KEI/Polycab/Lapp/Havells/ Pi Square
6	Armoured/Unarmoured telephone cable and Co-axial cable	Delton/Finolex/RR Kable/Bonton/ Polycab/ Lapp/ Pi Square
7	MS Conduit (ISI Marked) with Heavy Duty MS conduit pipe Accessories.	BEC/NIC/AKG/RMCON/Steel Krafts Note:- All Ms conduit pipe accessories will be same make as that of conduit pipe and will comply to IS/4768 part 2 2003
8	PVC conduit (ISI Marked) with heavy duty	AKG/Norpack/BEC/Precision/Finolex/Astral
9	PVC conduit pipe accessories	/Polycab
	Modular switch, socket/Telephone socket/cable TV socket/Data outlet socket/fan Regulator/GI Boxes and cover plate, blanking plate, Modular MCB etc.	Legrand (Arteor)/Schneider Electric (Zencelo)/MK (Blenze plus)/Havells(Crabtree- Athena)/Honeywell (Citric)/ABB(TVISHA)
10	HDPE Pipe (ISI marked)	REX/Tirupati/CPE/Supreme/Jain Irrigation/ Duraline
11	PVC Trunking	MK/Legrand/ Schneider/Hager
12	GI pipe	Tata/Jindal(Hissar)/Prakash Surya
12	Synthetic enamel paint	ICI Dulux/Asian/Nerolac/Berger
13	Terminal Blocks and Connectors	Elmex/Wago/Hensel/Connectwell/Essen/L&T
14	Phenolic Laminated Sheet/Bakelite Sheet	Hylam/Formica/Greenlam
15	Cat-6 Cable/Wire & Fiber Optic Cable	Amp/Avaya/Belden/Legrand/Delton/Molex/ Pi Square
16	XLPE insulated PVC sheathed Al./Copper Conductor Armoured/ Unarmoured cable of 1.1 KV grade.	Finolex/ RR Kabel/Universal/ Polycab/ Nicco/ KEI/Havells/ Pi Square
17	GI/Copper Strip and Earthing material	Bharti/Indiana/Slotco
18	Chemical Earthing	JMV LPS Ltd./Pragati Electrocom/Ecosafe/Duval Messien (Terec)
19	Occupancy Sensor/Lighting Control System	Philips/Schneider/Legrand/Siemens
20	LED fittings i/c flood light	Philips/ Lighting Technology/Disano/Regent/Wipro/ Havells/Orient
21	Cable Trays Its Accessories	Bec /Rmcon / Indiana /Pilco/Mem
22	Timer Switch & 3 Pole Contractor	L&T/ ABB / Legrand /Siemens
23	Thermoplastic Polycarbonate Junction Box	Hensel /Rittal/ Siemens
24	UPVC Trunking and accessories	Legrand / Honeywell / OBO/AKG
25	Ceiling Fan/ Exhaust Fan/ Wall Fan/ Ventilation Fan	Usha/Crompton/Orient/Havells/Atomberg
26	Lead acid Battery	Exide/Amara Raja/ HBL/Pulse /Amco / Panasonic

27	Axial flow/Centrifugal Fan	Kruger/Greenheck/Wolter/Nicotra/Systemair/ Comefri
28	Electric Motor	ABB / Siemens / Kirloskar / Grundfos / NGEF / Crompton Greaves/Havells
29	Cat-6 Information Outlet / Cat- 6/6A UTP cable	3C3/Legrand/D Link/Molex/Systimax/ Polycab/Nexans
30	RJ-45 Connector for Cat-6/6A	3C3/Legrand/D Link/Molex/Systimax/Polycab
31	Equipment Rack	Derwiser/MTS/Rittal/APC/APW
32	Any other item	To be approved by Engineer-in-Charge

- Note: 1. Only applicable items as per requirement of the tender.
2. Department reserves the right to reject any material used without Prior approval from Engineer-in-Charge. No payment shall be made for such rejected material.
 3. Public Procurement (Preference to Make in India) order 2017 issued by competent authority of Government of India shall be implemented during selection of materials and execution of work accordingly. Any Manufacturer if not included in the approved make list, may be considered by the Engineer-in-Charge provided such manufacturers comply the above policy along with their product meeting the specifications and other details of the required item.
 4. For each item to be used at site, contractor shall submit model number for each item of make & model for approval by Engineer-in-charge.
 5. Material specified in the list of Preferred makes shall be got approved by Engineer-in-charge before use in the work. Decision of Engineer-in-charge shall be final in this regard.
 6. Materials not specified in the list of preferred makes shall be got approved from Engineer-In-charge before use on work.

Assistant Engineer (E)-P
DED-81, CPWD

Executive Engineer (E)
DED-81, CPWD

Schedule of work					
Name of Work :- MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wetriser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI Work in Basement and Ground floor ,CCTV Work , Water cooler, Chimney work in Canteen area at 2nd floor.)					
S. No.	Description of items	Qty.		Rate	Amount
	SH-I- EI Work				
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
a	Group C	30	Point	2078	62340.00
2	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
a	Group C	150	Point	1064	159600.00
3	Rewiring for twin control light point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.				
		20	Point	1064	21280.00
4	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
a	3 x 1.5 sq. mm	250	Mtrs.	104	26000
b	6 x 1.5 sq. mm	50	Mtrs.	195	9750
c	3 x 4 sq. mm	300	Mtrs.	222	66600
d	6x4 sq. mm	75	Mtrs.	424	31800
e	3 x 6 sq. mm	50	Mtrs.	326	16300
5	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
a	20 mm	150	Mtrs.	254	38100
b	25 mm	150	Mtrs.	289	43350
c	32 mm	70	Mtrs.	360	25200
6	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
a	5/6 A switch	200	Nos	121	24200
b	15/16 A switch	75	Nos	176	13200
c	3 pin 5/6 A socket outlet	75	Nos	136	10200
d	6 pin 15/16 A socket outlet	75	Nos	219	16425
e	Bell push	20	Nos	159	3180
7	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.				
		100	Nos	402	40200

8	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	50	Nos	47	2350
9	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc.as required.				
a	1 or 2 Module (75mmX75mm)	80	Nos	354	28320
b	3 Module (100mmX75mm)	80	Nos	384	30720
c	6 Module (200mmX75mm)	60	Nos	462	27720
d	12 Module (200mmX150mm)	60	Nos	614	36840
10	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	150	Nos	104	15600
11	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.	50	Nos	807	40350
12	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.				
a	Single pole	100	Nos	285	28500
b	Single pole and neutral	30	Nos	643	19290
c	Triple pole and neutral	20	Nos	1301	26020
13	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	20	Nos	14	280
14	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).				
a	6 way (4 + 18), Double door	3	Nos	5299	15897
15	LED Panel light 2x2 ft. (System lumen efficacy $\geq 105 < 120$ lm/Watt) Supplying, installation, Testing & Commissioning of Panel light 2x2 ft., of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency $> 85\%$, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD $< 10\%$, P. F. ≥ 0.95 , IP20, CRI > 80 , UGR (Unified Glare Rating) < 19 , Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with, 70% of initial Lumen maintained till life ends as per				

	LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing.complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as reqd. with Minimum 5 year OEM warranty. System lumen efficacy $\geq 105 < 120$ lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)				
a	36 watt	30	Nos	2508	75240
16	LED Batten light (System lumen efficacy $\geq 105 < 120$ lm/Watt). Supplying, Installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85%, Operating voltage AC 140- 270 Volt, frequency 50/60 hz, Operating temp range -5 °C to 40 °C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10%, P. F ≥ 0.95 , IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM (Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumenefficacy $\geq 105 < 120$ lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm)				
a	18- 22 Watt	100	Nos	681	68100
17	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade				
a	One or More coats on old work.	40	Sqm	102.8	4112
18	Supplying, installing, testing and commissioning of dewatering pump set of capacity 1 HP, single phase, 230 V, 50 Hz, suitable for handling dirty / sewage / storm water, capable of delivering discharge at head range 5–11 metres, complete with submersible motor, cast iron construction, 50 mm suction & delivery, including non-clog impeller, thermal overload protection, waterproof cable of suitable length, control panel / starter, necessary fittings, clamps and accessories, complete as required at site.	2	Nos	21144	42288
	SH-I TOTAL				1069352.00

SH-II- CCTV					
1	Supplying, Installation, Testing and commissioning of CAT6 Copper Information Outlet (IO) with face plate of color as per site requirement, should have ETL/UL verification program certificate for compliance with ANSI/TIA-568.2-D. All copper Cable and Components should be from same OEM to maintain compatibility and interoperability etc. complete as required.	20	Nos	212	4240
2	Supplying, Installation, Testing and commissioning of RJ45 Connector for CAT 6/6A Cables. RJ45 modular plug supports 4 twisted pairs, 8 positions, 8 connectors. Housing: PC, UL94V-2, transparent color, Use for 24- 26 AWG stranded wires etc. complete as required.	60	Nos	9	540
3	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.				
a	1 Run of cable	1500	Mtrs	74	111000
4	Supplying Installation Testing and Commissioning of 5/6MP IP IR Dome Camera having following specifications and features etc :- 1) Type of Camera: Dome Camera 2) Image Sensor: 1/2.8" or better progressive Scan CMOS get color image even at night condition 3) Signal System: PAL/NTSC 4) Minimum Illumination: 0.008Lux@ F1.4, AGC ON, 0 lux with IR or better 5) Imaging: 1/3s to 1/30000s Shutter Support, Auto Gain Control , White Balance- Auto, Back Light Compensation, Multi zone Privacy Masking, HLC, Digital Watermarking. 6) On Screen Display: Camera should display Camera title, Date & Time in live & recorded video both. 7) Signal to Noise Ratio: > 50 dB 8) Day & Night: True Day & Night High Performance Mechanical IR cut filter with auto switch, IR Source- Inbuilt IR LED's with effective distance upto 50 Mtrs integrated IR 30 Mtrs for colour view in night. 9) Video Compression (Minimum): H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723 10) Wide Dynamic Range: WDR (120dB or more) 11) Digital Noise Reduction: DNR (2D/3D) On/Off 12) Streaming: Triple streaming, configurable 13) Video Streaming & Frame Rates: Triple streaming, configurable Main stream: 5/6MP @25/30 fps, Sub streams: D1@25/30 fps or better 14) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser 15) Profile Management: User configuration import, export				

	<p>16) Security: User Authentication, Water Marking</p> <p>17) 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>18) Recording Management: Format SD, overwrite, storage management, video to NAS device,</p> <p>19) Edge Analytics :Tripwire, Intrusion, Motion Detection</p> <p>20) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection</p> <p>21) Alarm Support: It should have 1/1 Alarm In/ Out Port</p> <p>22) Audio Support: It should have 1x Built-In Mic and 1/1 Audio In/ Out Port for external Mic. and Speaker (As per site requirement) with G.711U/A/ G.711Mu/ AAC/ G.726 audio compression</p> <p>23) 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>24) System Capability: ONVIF</p> <p>25) VMS: Camera shall support open source VMS</p> <p>26) Cyber Security: trusted boot, AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, , account lockout, video encryption, IP/MAC filtering, HTTPS, trusted upgrade.</p> <p>27) Ethernet: 1 RJ 45 10/100 Ethernet port</p> <p>28) Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE—to ensure continuous operation inthe event of a failure in one power source.</p> <p>29) Power Requirement: 12VDC/24VDC/PoE (802.3af)/ePoE</p> <p>30) Enclosure: IP67 weather proof, IK10</p> <p>31) Operating Condition: Ambient Temperature:-(-) 05°C to 50°C, humidity 95% (max) (non-condensing)32) IR life: 40000 hours or higher</p> <p>33) Video Bit rate: 32 KBPS - 8 MBPS or better</p> <p>34) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</p>				
	5MP/6MP IP IR 2.7 to 4 mm ~12 to 13.5mm or better Varifocal Motorized lens Dome Camera.	12	Nos	26993	323916
5	<p>Supplying Installation Testing and Commissioning of 5MP/6 MP IP IR Bullet Camera having following specifications, type of lens and features etc :-</p> <p>1) Type of Camera: Bullet Camera</p> <p>2) Image Sensor: 1/2.8" or better progressive Scan CMOS get color image even at night condition</p> <p>3) Signal System: PAL/NTSC</p> <p>4) Minimum Illumination: 0.006Lux@ F1.4, AGC ON, 0 lux with IR or better</p> <p>5) Imaging: 1/3s to 1/30000s, Auto Gain Control , White Balance- Auto, Back Light Compensation, Multizone Privacy Masking, HLC, Digital Watermarking.</p> <p>6) On Screen Display: Camera should display Camera title, Date & Time in live & recorded video both.</p> <p>7) Signal to Noise Ratio: > 50 dB</p> <p>8) Lens Type & Focus: as given below. 9)</p> <p>Day & Night: True Day & Night High Performance Mechanical</p>				

	<p>IR cut filter with auto switch, IR Source-Inbuilt IR LED's with effective distance upto 50 Mtrs integrated IR and 30 Mtrs for colour view in night.</p> <p>10) Video Compression (Minimum): H.265 or better, Audio:- G.711U/A, G.711Mu, G.726, AAC, G.723</p>				
	<p>11) Wide Dynamic Range: WDR (120dB or more)</p> <p>12) Digital Noise Reduction: DNR (2D/3D) On/Off</p> <p>13) Streaming: Triple streaming, configurable</p> <p>14) Video Streaming & Frame Rates: Triple streaming , configurable Main stream: 5MP/6MP @25/30 fps, Sub streams: D1@25/30 fps or better</p> <p>15) Image Setting: Rotate Mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser</p> <p>16) Profile Management: User configuration import, export</p> <p>17) Security: User Authentication, Digital Water Marking</p> <p>18) 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>19) Recording Management: Format SD, overwrite, storage management, video to NAS device,</p> <p>20) Edge Analytics: Tripwire, Intrusion, Motion Detection</p>				
	<p>21) Alarm Trigger : Motion/tampering detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection</p> <p>22) Alarm Support: It should have 1/1 Alarm In/ Out Port</p> <p>23) Audio Support: It should have 1x Built-In Mic and 1/1 Audio In/ Out Port for external Mic. and Speaker (As per site requirement) with G.711U/A / G.711Mu/ AAC/ G.726 audio compression</p> <p>24) Network Protocol: SFTP, IPv6, IPv4, DNS,RTCP, NTP, RTP, HTTP, HTTPS, SNMP TCP/IP, PPPoE, NFS, UDP, ICMP, SSL, DHCP, SMTP, RTSPS, unicast,25) System Capability: ONVIF</p> <p>26) VMS: Camera shall support open source VMS</p> <p>27) Cyber Security: trusted boot, AES 256-bit Encryption, Configuration encryption, trusted execution, Digest, security logs, account lockout, , video encryption, IP/MAC filtering, HTTPS, trusted upgrade.</p>				
	<p>28) Ethernet: 1 RJ 45 10/100 Ethernet port</p> <p>29) Power Input: The camera should support simultaneous dual power input—12 VDC (via power adapter) and PoE—to ensure continuous operation in the event of a failure in one power source.</p> <p>30) Power Requirement: 12VDC/24V DC/PoE (802.3af)/ePoE</p> <p>31) Enclosure: IP67 weather proof, IK10</p> <p>32) Operating Condition: Ambient Temperature:- (-)05°C to 50°C, humidity 95% (max) (non-condensing)</p> <p>33) IR life: 40000 hours or higher</p> <p>34) Video Bit rate: 32 KBPS - 8 MBPS or better</p> <p>35) Standards: BIS with ER, STQC Certified, CE, FCC and RoHS</p>				
	5MP/6MP IP IR 2.7 to 4 mm ~12 to 13.5mm or better Varifocal Motorized lens outdoor Bullet Camera.	6	Nos	26993	161958
	SH-II TOTAL				601654.00

SH-III- Kitchen Chimney					
1	SITC of kitchen chimney/exhaust hood fabricated form 20 SWG stainless steel sheet having 2 nos buffer filters i/c installation, testing and commissioning of exhaust hood size (48" x20") complete etc as reqd.	2	Nos	87023	174046
2	SITC of back ward current disert driven centrifugal blower fan in the existing exhaust hood installed interior canteen at CCRAS building having air volume> 11000 CFM with 5hp 3 phase 960 RPM motor and duct connection i/c old defective fan system etc as reqd.	1	No	194098	194098
3	Supplying Installation , testing & Commissiong of three phase, 440 Volt , 50 Hz 5 HP starter with PSC single phase preventer of 5 HP motor complete etc as reqd. i/c voltmeter, Ammeter, ON/OFF switch, indicating lamp etc as reqd. Make - Logic control, LLP-05	1	No	29603	29603
4	Supplying, installation, balancing and commissioning of factory fabricated GSS sheet metal rectangular/ round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports, bends, transitions, reducers, end caps, collars etc as required complete in all respect in confirmation to IS : 655 and approved drawings and specifications of following sheet thickness complete as required.				
a	Thickness 0.63 mm sheet	2	Sqm	1191	2382
5	Supplying of one number PVC insulated and PVC sheathed /XLPE copper armoured power cable of 1.1 KV grade of following size .				
	4x6 sqmm	20	Mtrs	1014	20280
6	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.				
a	Upto 35 sq. mm (clamped with 1mm thick saddle)	20	Mtrs	64	1280
	SH-III TOTAL				421689.00
	Grand Total (SH-I,II&III)				2092695.00

Assistant Engineer (E)-P
DED-81 CPWD

Executive Engineer (E)
DED-81 CPWD

FINANCIAL BID

(Performa for Quoting the Rates)

CENTRAL PUBLIC WORKS DEPARTMENT					
NIT No: 15/EE(E)/DED-81/2026-27 - Recall 1					
Name of Work :- MOEI & Fans, Power Plugs & Street/Compound Light and RMO Sub-Station equipment's stand by 320KVA D.G. Set, Pump Set for water supply, Wetriser i/c Sprinkler System, Automatic Fire Alarm, PA & Sound System in CCRAS Building at Janakpuri, New Delhi (SH :- EI Work in Basement and Ground floor ,CCTV Work , Water cooler, Chimney work in Canteen area at 2nd floor.)					
SCHEDULE OF QUANTITY					
S. No.	Name of Components	Estimated Cost	Percentage above or below the Estimated Cost	%age in Figures	Total Cost
1.	Electrical works	Rs. 20,92,695/-			
	Total	Rs. 20,92,695/-			

Contractor