INDEX

CENTRAL PUBLIC WORKS DEPARTMENT

Name of Work: MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).

NIT No. 101/EE(E)/SJHED/2026-27

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Certified that this N.I.T. contains 1 to 41 pages (including this page)
"NIT approved for Rs. 1757190/-(Rupees Seventeen Lakh Fifty Seven Thousand One Hundred and Ninety Only)"

कार्यपालक अभियंता (वै)
स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF BID DOCUMENT

(Applicable for inviting bids on single bid system)

The Executive Engineer (E), Safdarjung Hospital Electrical Division, CPWD, New Delhi–110 029 **(Phone No. 01126730418, e-mail ID: deleeesjhed.cpwd@nic.in)** on behalf of the President of India **invites** online percentage rate bids in single bid system **From approved and eligible enlisted contractor in Building and Roads category of CPWD** for the following works:-

क्रम सं0.	निविदा आमंत्रण सं0.	कार्य का नाम और स्थान	निविदा के लिए अनुमानित लागत	धरोहर राशि	कार्य समापन की अवधि	निविदा भरने की अन्तिम तिथि एवं समय	निविदा खुलने की तिथि एवं समय
1	2	3	4	5	6	7	8
1	101/EE(E)/SJHED/2026-27	MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).	रू0. 1757190/–	रू0. 35144/–	02 माह	.16.11.2026. 15:00 बजे तक	.16.11.2026. 15:30 बजे

* To be filled by EE (E)

Note: The contractor shall quote his percentage rates including GST and any other applicable taxes, levy or cess etc. and nothing extra shall be reimbursed on this account. This provision will supersede all the provisions in GCC and elsewhere in the tender document in regard to Levy/Taxes payable by contractor.

1. The intending bidder must read the terms and conditions of **CPWD-6** carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. This Information and Instructions for bidders posted on website shall form pay of bid document.
3. The bid document consisting of plans, specifications, Schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website **https://etender.cpwd.gov.in** or **www.cpwd.gov.in** free of cost.

4. EMD must be made / issued only from the account of the bidder / tenderer, thirty party account EMD shall not be accepted.

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 Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of **Executive Engineer (E), SJHED, CPWD, New Delhi**, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.

6. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of **https://etender.cpwd.gov.in**

7. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instructions available on download section of **https://etender.cpwd.gov.in**

8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.

9. Contractor can upload documents in the form of JPG format and PDF format.

10. Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/Certificate from CA mentioning Financial Turnover of last 7 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.

11. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turn sky blue.

    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. 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.

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

	List of Documents to be scanned and uploaded within the period of bid submission:
1	Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receiptsor/and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank against EMD in **favour of Executive Engineer (E), SJHED, CPWD, New Delhi.**
2	Copy of receipt for deposition of Original EMD to division office of any EE, issued as per Annexure-I.
3	Valid Enlistment order of the Contractor of CPWD
4	GST registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder. If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking along with other bid documents. "lf work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up 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 a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.
5	The bidder shall upload certificate issued through LMS of ERP that "The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training lnstitutes (RTls) 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 of CPWD. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP".
6	Valid Electrical Contractor License or undertaking that "I/We shall either obtain valid electrical license at the time of execution of electrical work or associate an approved and eligible contractor of CPWD in appropriate class having valid electrical contractor license".
7	Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence).
8	An affidavit on Rs.100 stamp paper duly attested by notary is to be uploaded as regard to that I/we have not been debarred susupended for tendering in CPWD till the last date of submission of bid.

All modifications / addendum /corrigendum issued regarding this bidding process, shall be uploaded on website only.

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Annexure-I

Format of receipt of deposition of original EMD

Receipt of deposition of original EMD (Receipt No. …….. Date……..)		
1.	Name of Work	MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).
2.	NIT No.	101/EE(E)/SJHED/2026-27
3.	Estimated Cost	Rs. 1757190/-
4.	Amount of Earnest Money Deposit	Rs. 35144/-
5.	Last date of submission of bid	-16-11-2026---- upto 15:00 PM

(** To be filled in 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 Deposit	
4.	Date of submission of EMD	
Signature of EMD receiving Officer: (EE / AE(P) / AAO) Name and Designation of EMD receiving Officer: Office Stamp:		

(# To be filled by EMD receiving EE/DDH)

CPWD-6 FOR e-TENDERING

1. Percentage rate tenders are **invited** on behalf of the President of India, in single bid system **From approved and eligible enlisted contractor in Building and Roads category of CPWD** for the work MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).

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

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

1.1 The work is estimated to cost **Rs. 1757190/-** This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major descipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

1.2.2. **To become eligible for issue of bid, the bidders 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 bidding 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)

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD -7 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in . Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be **02 Months** from the date of start as defined in Schedule 'F' or from the 1st date of handing over of the site, whichever is later, in accordance with the phasing, if any, as indicated in the tender documents.

4. The site for the work is available.

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the cost of terms and conditions of 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 www.etender.cpwd.gov.in free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8. 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 including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks against EMD (drawn in favour of **Executive Engineer (E), SJHED, CPWD, New Delhi,)** shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE) 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 system 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 to 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, who has deposited original EMD with any division of CPWD and other documents scanned and uploaded are found in order.

   The bid submitted shall be opened at 03:30 P.M. on –-16-11-2026----------

10. The bid submitted shall become invalid and tender processing fee (if applicable) shall not be refunded if:

    i) The bidder is found ineleigible.

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 bid opening authority.

iv) If any discreapancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.

v) 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 of 5% (Five Percent)** of the Estimated Cost put to tender (ECPT) or contract amount whichever is higher. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand draft or Bankers Cheque or Fixed Deposit Receiptsor/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule **'F'**, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The 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 i/c 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 Schedule F.**

12. **The description of the work is as follows:**

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

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

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

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

16. The contractor shall not be permitted to bid for works in the CPWD Circle **(Division in case of contractors of Horticulture/ Nursery category)** responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this department.

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 bid or engagement in the contractor's service.

18. The bids for the works shall remain open for acceptance for a period of **30 Days (Thirty days)** from the date of opening of price bids**.**
(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
(iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work

19. This Notice Inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his bid by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of: -

(a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any forming the part of the bid as uploaded at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

(b) Standard CPWD Form 7 with up-to-date correction slips.

20. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone No. 01126730418, e-mail ID: deleeesjhed.cpwd@nic.in) or ERP helpline no. 18001803286 or e-mail ld cpwd.support@techmahindra.com . The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

21. **Price Preference to SC/ST individual contractor for item rate/percentage rate tender:** Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-

(i) For work(s) upto and equal to an estimated cost of Rs. 2.80 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).

(ii) For work(s) beyond an estimated cost of Rs. 2.80 lakh and upto and equal to estimated cost of Rs. 6.40 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.

The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.

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नई दिल्ली

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of President of India

सं0 19(21)/का.अभि.(वै)/स.ज.अ.वै.मं./2026–27/1887 दिनांकः 09.11.2026

ई–निविदा आमन्त्रण सूचना

कार्यपालक अभियंता (वै), स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली–110029 (दुरभाष स0. 01126730418) के द्वारा भारत के राष्ट्रपति की ओर से निम्नलिखित कार्य के लिए ऑनलाईन दर प्रतिशत निविदा एकल बोली पद्वति **From approved and eligible enlisted contractor in Building and Roads category of CPWD** से **आंमन्त्रित** की जाती हैं।

नि.आ.सू.स0. 101/EE(E)/SJHED/2026-27 **कार्य का नामः** MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi). **अनुमानित लागतः** रू0. **1757190/–** **धरोहर राशिः** रू0. **35144/–** **समापन की अवधिः 02 माह, निविदा भरने की अन्तिम तिथि एवं समयः** .16.11.2026. 3:00 बजे तक, **निविदा खोलने की अन्तिम तिथि एवं समयः** .16.11.2026. 3:30 बजे।

Tender forms and other details can be obtain from the website www.etender.cpwd.gov.in

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स.ज.अ.वै.मं., के.लो.नि.वि.
नई दिल्ली

Copy to:

1. अधीक्षण अभियंता, दिल्ली परिमंडल–10, के.लो.नि.वि., ईस्ट ब्लांक–1, तल–7, आर.के. पूरम, नई दिल्ली को सूचनार्थ।
2. कार्यपालक अभियंता, स.ज.अ.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ
3. सहायक अभियंता (वै) (यो), स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ।
4. सहायक अभियंता (वै)–1, 2, 3, 4 एवं 5, स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली को सूचनार्थ।
5. नोटिस बोर्ड, स.ज.अ.वै.मं., के.लो.नि.वि. नई दिल्ली।

} ई–मेल द्वारा

कार्यपालक अभियंता (वै)

C.P.W.D.- 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :-**Delhi** CIRCLE:- **Delhi Circle-10**
BRANCH :- **E&M** DIVISION **:- SJHED**
REGION :- **Delhi**

Percentage Rate Bid

%Bid for the work of**:** MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjun

Dear Sir,

(i) Bids to be uploaded online by **3.00 PM** on—…..—-16-11-2026------……..

(ii) To be opened online in presence of Bidders who may be present at **3:30 PM on** …….. -------16-11-2026-----... **in** the office of Executive Engineer (E), SJHED, CPWD, New Delhi.

**** To be filled by Executive Engineer (E), CPWD, New Delhi.**

CPWD Form-7

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 respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **30 (Thirty days** from the date of opening of price bid and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) issued by 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 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 GCC.

Further, I/We agree that in case of forfeiture of Earnest Money or performance guarantee as aforesaid, I/We shall be debarred for participation in the retendering 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 therefrom to any person other than a person to whom I/We, am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated …***…

Signature of the Contractor
Postal Address …***…
Telephone No. ----------

Witness…***…

FAX ----------

Address: …***…

E-MAIL ----------

Occupation…***…
…**…To be filled by the Executive Engineer

…***…To be filled by the Contractor

ACCEPTANCE

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

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

(a)

(b)

(c)

For & on behalf of President of India

Signature …….*……

Dated: ……* …… Designation……*……..

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

On Non-Judicial Stamp Paper of Minimum Rs. 100/-
(Guarantee offered by Bank to CPWD in connection with the execution of contractors)
Form of Bank Guarantee for Earnest Money Desposit/ Performance Guarantee/ Security Deposit/Mobilization Advance

1. Whereas the Executive Engineer (E), SJHED, CPWD on behalf of the President of India (hereinafter called "The Government") has entered into and agreement bearing number …….. with …….. (name and address of the contractor) …….. (hereinafter called "the Contractor") for execution of work …… (name of work) …….. The Government has further agreed to accept 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 Government an amount not exceeding Rs. ……. (Rupees …….. only) on demand by the Government within 10 days of the demand.

3. We, …… (indicate the name of the Bank) ……., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required 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 Government 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 Government 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 Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government 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 Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, …… (indicate the name of the Bank) …….., undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to …… unless extended on demand by the Government. 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:

1. Signature …….
   Name and address

Authorized signatory
Name

Designation
Staff code no.
Bank seal

2. Signature …….
   Name and address

* Date to be worked out on the basis of validity period of 30 days where only financial bids are invited and 75 days for two/three bid system from the date of submission of tender.
** In paragraph I, strike out the portion not applicable. Bank Guarantee will be made either for performance guarantee/security deposit/mobilization advance, as the case may

PROFORMA OF SCHEDULES

SCHEDULE 'A'			
Schedule of quantities	**E&M Work**	**:**	Attached

SCHEDULE 'D'	
Extra schedule for specific requirements/documents for the work, if any:	**NIL**

SCHEDULE 'E'		
Reference to General Conditions of contract: -		General Conditions of Contract (GCC)– Maintenance Work -2023 amended/modified up to last date receipt of tender i/c extension, if any
Name of Work:-		MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).
Estimated cost of work:-		**Estimated Cost: Rs. 1757190/-**
(i) Earnest Money		Rs. 35144/- (To be refunded after receipt of P.G.)
(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, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount
(iii)	Security Deposit :-	2.5% of tendered Value.

SCHEDULE 'F'				
General Rules & Directions: -				
Officer inviting tender:-		Executive Engineer (E), SJHED, CPWD,New Delhi.		
Definitions:				
2 (vi)	Engineer-in-Charge	(i)	Electrical work	Executive Engineer (E), SJHED CPWD, New Delhi
2 (viii)	Accepting Authority	Executive Engineer (E), SJHED CPWD, New Delhi.		
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%		
2 (xi)	Standard schedule of Rates	**Elect.**	i) DSR (E&M) - 2025 (All above with withup to date correction slipsamended/modified up to last date receipt of tender i/c extension, if any)	
2 (xii)	Department	Central Public Works Department		
8 (ii)a	Standard CPWD contract form	GCC Maintenance work-2023, CPWD form 7 as modified and corrected up to date amended/modified up to last date receipt of tender i/c extension, if any)		

Clause 1	
(i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW: Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days.	7 days
(ii) Maximum allowable extension with late fee @ 0.1% per day of performance guarantee amount beyond the period as provided in (i) above.	3 days

Clause 2	
Authority for fixing compensation under clause 2.	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successor.

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
Mile stone(s) as per table given below:			
Sl. No.	Description of Milestone (Physical)	Time allowed in days (From date of start)	Amount to be with-held in case of non-achievement of milestone.
---------- Not applicable ----------			
Time allowed for execution of work :			**02 Months**
Authority to decide:			
(i)	Authority to convey the decision of shifting of mile stone & extension of time		Executive Engineer (E), SJHED CPWD, New Delhi or his successor thereof
(ii)	Authority to decide rescheduling of milestones & extension of time		Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successorthreof
(iii)	Shifting of date of start in case of delay in handing over of site		Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi or his successor thereof

Schedule of handing over of site

Part	**Portion of site**	**Description**	**Time Period for handing over reckoned from date of issue of letter of intent**
Part A	Portion without any hindrance	Full Site of Work	NA
Part B	Portions with encumbrances	Nil	NA
Part C	Portions dependent on work of other agencies	Nil	NA

Clause 5A	
Whether Clause 5 shall be applicable	Not Applicable

Clause 6	
Electronic Measurement Book (EMB)	
Mode of measurements	Electronic Measurement Book (EMB) (EMB initiated by contractor through ERP Portal)

Clause 7	
Gross work to be done together with net payment /adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs. 4.39 Lakh (Electrical work) Or Mutually Agreed by Engineer-in- charge and Agency

Clause 7A	
Whether Clause 7A shall be applicable	Yes

Clause 8	
Competent authority to inspect and issue completion certificate (Electrical Work)	Executive Engineer (E), SJHED, CPWD, New Delhi

Clause 10A	
List of testing equipment to be provided by the contractor at site lab.	As per requirement of site and direction of Engineer-in-charge.

Clause 10B(i)	
Whether Clause 10B(i) shall be applicable	Not Applicable

Clause 10C	Applicable		
Component of labour expressed as percent of value of work	Electrical work	For CMC & Day to Day Maintenance	
		For Other works	

Clause 10CC			
Whether Clause 10CC shall be applicable	Not Applicable		

Clause 11	
Specifications to be followed for execution of work	
1. Electrical works:	a) CPWD General Specifications for Electrical work Part I Internal - 2023, amended upto date.
	b) CPWD General Specifications for Electrical work Part II External -2023, amended upto date.

खण्ड **Clause 12** (As per DG OM No. DG/CON/Maintenance 2O23/O3 dt. 18-12-2023 as amended up to date

Type of work:	**Maintenance works**
The Completion cost of any agreement for maintenance works including works of up-gradation, aesthetic, special repair, addition/alteration should not exceed two times the contract amount. **Deviation up to 1.25 times of Contract amount shall be approved by Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times up to 1.50 times of contract amount shall be approved by SE/CE (as applicable) with recorded reasons.In exceptional case, ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times up to 2.0 times of Contract amount with recorded reason and take suitable corrective action.**	
खण्ड **Clause 12.2 & 12.3** Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work and other maintenance works.	No Limit

Clause 16 Competent Authority for deciding reduced rates. (Shall be limited upto 5% of the Contract Value.)	Superintending Engineer, DC-X, CPWD, R.K. Puram, New Delhi.

Clause 18		
List of mandatory machinery, tools & plants to be deployed by the contractor at site	:	**Electrical works:** 1. Earth Tester 2. Megger 500 V 3. Line Tester 4. Test Lamp 5. Die &Vice 6. Chase Cutting Machine 7. Crimping Tools 8. Tong Tester and /or as per requirement at site / as per the contract provisions and as per direction of Engineer-in-charge.

Clause 19

Clause 19 C	…….. Authority to decide penalty for each default	Engineer – in - charge
Clause 19 D	…….. Authority to decide penalty for each default	Engineer – in - charge
Clause 19 G	…….. Authority to decide penalty for each default	Engineer – in - charge
Clause 19 K	…….. Authority to decide compensation for each default	Engineer – in - charge

Clause-25

Settlement of Disputes by Conciliation and Arbitration

(a)	Conciliator: -	ADG (RD), CPWD, New Delhi or his successor.
(b)	Arbitrator:-Appointing Authority	Superintending Engineer, DC-10, East Block-1, Level-7, CPWD, R.K. Puram New Delhi or his successor.
(c)	Place of Arbitration:	New Delhi

Clause 32							
"Requirement of Technical Representative (s) and Recovery Rates"							
Sl. No.	Minimum qualification of Technical Representative	Discipline	Designation (Principal Technical /Technical Representative	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32(i) (Rs per month per person)	
						Figures	words
1	Graduate Engineer or Diploma Engineer	Electrical/ Mechanical 1	Project Manager cum Planning/ quality/Site/Billing Engineer	2 or 5 respectively	1	15,000/-	Rupees Fifteen Thousand only

Note:

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

b. 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 (Electrical works)			
(i)	(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2025** printedby 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. 25 Lakh	NA
		For works with estimated cost put to tender more than Rs 25 Lakh	NA
	b)	Bitumen for all works.	NA
	c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	NA
	d)	Paints & Chemicals	NA

कार्यपालक अभियंता (वै)
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GENERAL TERMS & CONDITIONS

1.0 All the works shall be carried out as per CPWD General Specification for Electrical Works, Part-I 2023 amended up to date and should also comply with relevant provisions of the Indian Electricity Rules and Acts as applicable, amended up to date.

1.1 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.

Rates:

1.2 The work shall be treated as on works contract basis and the rates tendered shall be for complete items of work (except the materials, if any, stipulated for supply by the department) inclusive of all taxes (including works contract tax, if any), duties, and levies etc. and all charges for items contingent to the work, such as packing, forwarding, insurance, freight and delivery at site for the materials to be supplied by the contractor, watch and ward of all materials (including those supplied by the department, if any) for the work at site etc.

Taxes and Duties:

1.3 Being an indivisible works contract GST & other Taxes not payable separately.

1.4 The works contract tax shall be deducted from the bills of the contractor as applicable in the State in which the work is carried out, at the time of payments.

1.5 No mobilization advance shall be paid for the work, unless otherwise stipulated in tender papers for any individual works/ composite work.

Completeness of Tender

1.6 All sundry fittings, assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections as required, and all other sundry items which are useful and necessary for proper assembly and efficient working of the various components of the work shall be deemed to have been included in the tender, whether such items are specifically mentioned in the tender documents or not.

Works to be arranged by the department:

1.7 Unless and otherwise specified in the tender documents, the following works shall be arranged by the Department:

(i) Supply of materials to the contractor as stipulated in the tender documents.

(ii) Storage space for all equipment, components and materials for the work

Works to be done by the contractor:

1.8 Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost:-

(i) Foundations for equipment and components where required, including foundations bolts.

(ii) Cutting and making good all damages caused during installation and restoring the same to their original finish.

(iii) Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.

(iv) Painting at site of all exposed metal surfaces of the installation other than pre-painted items like fittings, fans, switchgear/distribution gear items, cubicle switchboard etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-Charge.

(v) Testing and commissioning of completed installation.

Storage and Custody of Materials:

1.9 The contractor has to make his own arrangement for the storage of the material at site & necessary watch and ward of the electrical installation during the execution of work till the same is handed over to the department. No extra payment will be made on this account. The storage space shall however be arranged by the department at site, if available.

1.10 The main contractor shall arrange for proper storage of the electrical fans and fittings at site and that double lock system shall be arranged for the fans and fittings after receipt at site until the time they are taken for installation. The contractor shall however be responsible for proper storage and safe custody of the same till their installation and handing over to the department.

Electric Power Supply and Water Supply:

1.11 Power and water supply will be arranged by the contractor at the site for installation purpose. However, for testing purpose after complete installation of the electrical items, electricity supply will be made available free of cost to the contractor. Contractor will take due care to ensure safety of electrical installation during execution of work.

1.12 All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor.

Payment Terms:

1.13 Unless otherwise specified in the additional condition of the contract, the payment shall be made as per the relevant clauses of form PWD 7/8 forming part of the tender documents.

Co-ordination with other agencies:

1.14 The contractor shall co-ordinate with all other agencies involved in the building work so that the building work is not hampered due to delay in his work. Recessed conduit and other works, which directly affect the progress of building work, should be given priority.

Care of buildings:

1.15 Care shall be taken by the contractor to avoid damage to the building during execution of his part of the work. 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 costs, all unwanted and waste materials arising out of his work, from the site.

Structural Alterations to Buildings:

(i) No structural member in the building shall be damaged / altered, without prior approval from the competent authority through the Engineer-n-charge.

(ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these required modifications, or fresh provisions are required to be made, such contingent works shall be carried out by the contract at his cost.

(iii) All such openings in floors provided by the department shall be closed by the contractor after installing the cables/conduits/rising mains etc. as the case may be, by any suitable means as approved by the Engineer-in-charge without any extra payment.

(iv) All chases required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings.

Addition to an installation:

Any addition, temporary or permanent, to the existing electrical installation shall not be made without a properly worked out scheme/design by a qualified Electrical Engineer to ensure that such addition does not lead to overloading, safety violation of the existing system.

2 Drawings:

(i) The work shall be carried out in accordance with the drawings and the tender documents and also in accordance with modification thereto from time to time as approved by the Engineer-in-charge.

(ii) All wiring diagrams shall be deemed to be 'Drawings' within the meaning of the term as used in Clause 11 of the conditions of contract (PWD 7 or PWD 8). They shall indicate the main switch board, the distribution boards (with circuit numbers controlled by them), the runs of various mains and sub mains and the position of all points with their controls.

(iii) All circuits shall be indicated and numbered in the wiring diagram and the points shall be given the same number as the circuit to which they are electrically connected.

(iv) After award of the work, the firm will be required to submit the drawings for the proposed work including layout plan, conduit routes etc. Work will be carried out as per the approved drawings.

3 Conformity to IE act, IE Rules, and standards:

All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to date (Date of call of tender unless specified otherwise). List of rules of particular importance to electrical installations under these General Specifications is given in Appendix C for reference.

4 General requirements of components:

Quality of material: All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.

5 Inspection of materials and equipments:

5.1 Materials and equipments to be used in the work shall be inspected by the departmental officers. Such inspection will be of following categories:

(i) Inspection of materials / equipments to be witnessed at the Manufacturer's premises in accordance with relevant BIS /Agreement Inspection Procedure.
(ii) To receive materials at site with Manufacturer's Test Certificate(s)
(iii) To inspect materials at the authorized dealer's go downs to ensure delivery of genuine materials at site.
(iv) To receive materials after physical inspection at site.

5.2 Adequate care to ensure that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall ensure that:

(i) Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.
(ii) As and when the order is placed for the fittings/ fixtures, cables, switchgears, poles, rising main, other main items etc, its copy shall be endorsed to the CPWD Engineer-in-charge.
(iii) The firm will be required to procure material like electrical fittings & fans, exhaust fans, MCB's & DB's, switches & sockets, wires & cables, conduits and switchgears, rising mains, poles , outdoor fittings etc. directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor if required by the department.
(iv) Inspection at factory or at go down, as required, shall be arranged by the firm for a mutually agreed date.
(v) Delivery of material shall be taken up only with the consent of department, after clearance of the material.
(vi) Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.

5.3 Similarly, for fabricated equipments, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.

6 Ratings of components:

6.1 All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installations in which they are used.

6.2 All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.

7 Conformity to standards:

7.1 All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.

7.2 Relevant Indian Standards including amendments or revisions thereof up to the date of tender acceptance shall be applicable in the respective contracts for respective items, firm to ensure its compliance.

8 Interchange ability:

Similar parts of all switches, lamp holders, distribution fuse boards, Switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.

9 Workmanship:

9.1 Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.

9.2 Proper supervision/skilled workmen: The contractor shall be a licensed electrical contractor of appropriate class suitable for execution of the electrical work. He shall engage suitably skilled/licensed workmen of various categories for execution of work supervised by supervisors / Engineer of appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and other senior officers of the Department during the progress of work.

9.3 Use of quality materials: Only quality materials of reputed make as specified in the tender will be used in work.

10 Testing:

All testes prescribed in this General Specification, to be done before, during and after installation, shall be carried out, and the test results shall be submitted to the Engineer-in-charge in prescribed Performa, forming part of the Completion Certificate.

11 Commissioning on completion:

After the work is completed, it shall be ensured that the installation is tested and commissioned.

12 Completion plan and completion certificate:

12.1 For all works completion certificate after completion of work as given in Appendix –E of CPWD Specification shall be submitted to the Engineer-in-charge.

12.2 Completion plan drawn to a suitable scale in tracing cloth with ink indicating the following, along with three blue print copies of the same shall also be submitted.

(i) General layout of the building.

(ii) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.

(iii) Position of all points and their controls.

(iv) Name of work, job number, tender reference, actual date of completion, names of Division/ Sub-division and name of the firm who executed the work with their signature.

13 Guarantee

The installation will be handed over to the department after necessary testing and commissioning. The installation will be guaranteed against any defective design / workmanship. Similarly, the materials supplied by the contractor will be guaranteed against any manufacturing defect, inferior quality. The guarantee period for LED fixtures will be 5 years and for other items a period of 12 months for fwork done from the date of handing over to the department. Installation/ equipments or components thereof shall be rectified/ repaired to the satisfaction of the Engineer-in-charge.

कार्यपालक अभियंता (वै)
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ADITTIONAL TERMS AND CONDITIONS

1. The work shall be carried as per CPWD general specification for electrical works 2023 (Internal) & part-II. (External) as amended up-to-date and in accordance to the Indian Electricity Rules 1956 and Indian Electricity Act 2003 as amended up-to-date and as per the instructions and satisfaction of the Engineer-in –charge.
2. The material shall be procured only from the manufacturers & their authorized dealers & documentary proof for such procurement & supply shall be produced by the contractor. Contractor has to produce original bill/challan to the Engg.-in-charge.
3. The department reserves the right to send such materials to the manufactures authorized test laboratory to verify the genuineness & quality of the product.
4. All materials to be used on the work shall be got approved from the Engineer-in-charge before installation at site and the rejected material is to be removed from the site immediately.
5. The work shall be progressed with the progress of civil work. As such, the contractor doing electrical works shall work in close coordination with casting of the slabs, erection of the walls etc. as required. No claim of the contractor shall be entertained by the department for the idle labour.
6. The contractor shall be responsible for any damage done to the building of electrical installations during the execution of the work. Damage, if any shall have to be made good by the contractor at his own cost otherwise the same shall be got rectified made good at the risk & cost the contractor.
7. Bad work-man-ship will not be acceptable and defect shall be rectified at contractor's cost to the satisfaction of the Engineer-in-charge.
8. The site shall be cleared of malba, debris caused by working at site by the electrical contractor without any extra cost to the department.
9. Cement for the work is to be arranged by the contractor & nothing extra shall be paid by department on this account.
10. Earthing and all hidden items of work shall be invariably done in the presence of Engineer-in-charge or his authorized representative.
11. The contractor has to intimate the name of his authorized representative, who will be receiving instructions in his absence. The contractor / his authorized representative is bound to sign the site order book as and when required by the Engineer-in-charge and to comply with the instructions therein.
12. The contractor shall make his own arrangement at his own cost for electrical tools and plants required for the work. No T & P will be issued by the department.
13. The contractors are advised to visit the site before quoting this tender to apprise himself about the site environment and other conditions.
14. Materials not specified in the attached list of APPROVED MAKES may be got approved from the Engineer In-charge before use on work. Decision of competent authority shall be final in this respect.
15. The entire installations shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However, if there is any delay in construction from the department side, the installations may be taken over in parts but the decision on the same shall rest with Engineer-in-charge which shall be binding on the contractor.
16. The contractor shall use electrically operated "Chase cutters" for cutting chases to lay / fix conduits and other electrical fixtures / accessories in the wall. Nothing extra shall be paid for the same.
17. The copper conductor insulated cables of sizes above 1.5 sq. mm. shall be stranded and terminals provided with crimpled lugs. Nothing extra shall be paid on this account.

18. To facilitate drawing of wires 16/18 SWG GI fish wire be provided alongwith laying of recessed conduit for which no separate payment shall be made.
19. Wiring shall be done only by the looping system. Phase / live conductors shall be looped at the switch box. For point wiring, neutral wire / earthwire looping for the 1st point shall be done in the switch box, and neutral / earth looping of subsequent points will be made from point outlets.
20. No joints in wiring shall be permitted anywhere, except in switch box or point outlets, 'where jointing of wires will be allowed with use of suitable connector.
21. The wiring throughout the installation shall be such that there is no break in the neutral wire except in the form of linked switchgear.

    Only FRLS wires up to 1100V Grade shall be used in wiring.
    Colourcoding :-

Following colour coding shall be followed in wiring :-

Phase :	Red/Yellow/Blue (phase wiring)
Neutral :	Black
Earth :	Green

Termination of circuit into switchboard :-
Circuit will consist of phase / neutral /earth wire. Circuit will terminate in a switch board (first tapping point, where from point wiring starts) in following manner :-
Phase wire terminated in phase connector
Neutral wire terminated in neutral connector
Earth wire terminated in earth connector.

The switch board will have phase neutral and earth terminal connector blocks to receive phase / neutral / earth wire.

22. The cover of all junction boxes shall be of White Bakelite sheet.
23. Tenderer shall submit a sample board, incorporating in it the samples of Engineer-in-charge before commencement of work. No extra payment shall be given for the same.
24. The MCBDB's shall be of the same make as that of MCB's.
25. The connection, inter-connection, earthing and inter-earthing shall be done by the contractor where ever required to be done for energization of the installation and nothing extra shall be paid on this account.
26. The entire installation including submain, electrical points, light & power points shall be tested and properly recorded for submission to Engineer-in-charge irrespective of availability of normal power supply from Electric Supply company and actual load, as fans, fixture and meter board are not within the scope of this contract and shall be provided by the other agency through other contract at the appropriate time.
27. The entire system of metallic conduit work, including the outlet boxes and other metallic accessories, shall be mechanically and electrically continuous by proper screwed joints, or by double cheek nuts at terminations. The conduit shall be continuous when passing through walls or floor.
28. A protective conductor shall be laid inside the conduit between metallic switch boxes & distribution switch board and terminated into proper earth lugs / terminals. Only PVC insulated copper conductor cable of specified size shall be allowed. The protective conductor shall be terminated properly using studs, earth terminal, blocks etc. including in ceiling rose or the case may be.

29. All hardware, fastening material viz. nuts, bolts, washers and screws etc. to be used on work shall be of Zinc/cadmium plated iron.
30. All the material should be ISI marked where ever not specified, if ISI marked material is not available it should be confirming to BIS specification amended upto date.
31. Any Accident/mishappening related to worker deputed by contractor at site shall be the responsibility of contractor.
32. The contractor shall have to furnish the insulation test report, earth report, alongwith all required details of electrical load on the prescribed proforma for the electric connection from Supply Company.
33. The person employed for the work has no right to claim the employment in the department. Such type of claim shall be borne by the contractor.
34. The work will also be carried out at different locations in piece meal manner, as and when required.
35. The dismantle material if any other than credit dismantle material shall be handed over to the JE(E)-in-charge.
36. **Nothing extra shall be paid on account of dismantling of existing old PVC aluminum/copper wire, conduit, GI box of different sizes with switch sockets, MCCB and DB's with MCB, Fans & Fittings, Geysers etc. i/c removal of garbage/ malba from site and making good the same. The contractor shall quote the rates accordingly.**
37. **For any query regarding uploaded NIT, the firm can contact of the AE(E) (P) of the division on mobile No. 9871653899 or 01126730741**

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List of acceptable make

1.	Wires/Cable	:	Polycab / Havells / RRKabel / BCH / KEI / Finolex /Plaza / PI Square / Rallison/ Lumino
2.	Modular Switch/ Socket, Fan Regulator, Data socket outlet, telephone socket outlet, Modular plate / GI Box & other accessories / Bell push / Blanking plate	:	Legrand / North West/ MK Electric/ Crabtree / Anchor /Schneider **(Acceptable model shall have metal back plate only)**
3.	RO System and accessories		Eureka Forbes / Ion Exchange / Thermax
4.	Water cooler	:	Voltas / Blue Star / Usha / Sidwal
5.	Water storage tank	:	Sintex / Unitank / Uniplast / Gangakalash / Lotus / SPL / Polycon / Sudhakar / Astral.
6.	Butterfly valve / Balancing valve / Y Strainer / NRV / Air vessel / Nipple	:	Audco / Zoloto / Advance / Sant
7.	Pressure gauge / Thermometer	:	Danfoss / Honeywell / Orion Indfoss
8.	Phenolic laminated sheet	:	Hylem / Super Hylem / Formica (White colour ISI marked)
9.	VFD	:	L&T / ABB / Siemens / Schneider / Danfoss
10.	Steel conduit and accessories	:	AKG / BEC / NIC (ISI marked)
11.	BLDC Ceiling Fan	:	Havells / Orient / Usha
12.	Ceiling Fans / Wall Fans / Fresh Air /Air Circulator Fan / Exhaust Fans	:	Usha / Crompton / Havells / Orient / Khaitan / Almonard
13.	LED Fitting / Flood light / Street light / Post Top / LED downlighter / LED Batten / LED panel	:	Philips / LT / Regent / Neri / Halonix / Crompton / Orient
14.	MCB, MCB DB, RCCB, Contactor & other switchgear	:	ABB / Schneider/ Siemens / LK / Legrand
15.	MCCB (Ics = 100% Icu)	:	Schneider (NSX) / LK (D-Sine) / Siemens (3VL) / ABB (Tmax) / Legrand (DPX3)
16.	SMDB	:	Havells / BCH / ABB / HPL
17.	CAT6 / CAT6A Cable / Patch panel / Patch cord / IO Socket / RJ-45 Connector	:	Derwiser / Nexans / Siemon / Systimax
18.	LED wall washer	:	Philips / Luker / Havells
19.	LED Acrylic Signages	:	Mtr. Lite / Agni / Impulse / Ceasefire / Lifeguard
20.	GSS Sheet	:	TATA / Jindal (Hisar) / SAIL
21.	GI / MS Cable Tray	:	KME / Rico / Indiana / Steelway
22.	Glass fibre / Nitrile Insulation	:	Supreme / Armaflex / K-Flex
23.	Class “O” Al. insulation foil	:	Supreme / Armaflex / K-Flex
24.	Geyser	:	Racold / Crompton / Havells /V-Guard
25.	Emergency LED light	:	Lifeguard / Impulse / Ceasefire
26.	Polyvinyl Chloride (PVC) / UPVC / CPVC Pipe		Astral / Supreme / Finolex / Prince
27.	Insect Killer	:	Avro / Fonda / Rita
28.	Steel	:	TATA Steel / JSW / Jindal

29.	Hi wall Split AC	:	Toshiba / Mitsubishi Electric / O-General / Hitachi / Panasonic / Haier / LLOYD
30.	Grille, Diffuser & Damper	:	Airflow /Ravistar /Cariyare
31.	Actuator / Damper	:	Honeywell / Danfoss / Siemens
32.	Photo thermal detector / Manual call point / Horn cum storbe	:	Bosch/Notifier/Siemens / Hochiki /Simplex / ASES / Edward
33.	Fire alarm armoured cable	:	Polycab/Havell's/R.R.Cable/Finolex / Lumino
34.	DWC Pipe and accessories (Only ISI marked product to be used)	:	Rex / Duraline /AKG / Gemini / Prince
35.	Refrigerant Piping	:	Rajco / Mandev / Camipro / Jindal / Mexflow
36.	Brass compression gland and Al. lugs	:	Dowells/Jainson /Braco /Comet
37.	Paint / Primer	:	Asian / Berger / Dulex / Nerolac
38.	Voltmeter, Ammeter, multi function meter, selector switch, CT, indicating light	:	L&T / Schneider / Siemens / Kaycee (Selector switch)
39.	Pump and accessories	:	Kirloskar / Armstrong / Xylem / KSB / Wilo/ Crompton / V-Guard / CRI Pumps / Havells
40.	Panel	:	Neptune / Tricolite / Adlec / Precision System Control / RP Controls / SPC Electrotech Pvt. Ltd. / Advance Panels and Switchgear Pvt. Ltd. / System Power Control / Associated Switchgears & Projects Limited (ASPL)
41.	Capacitor / Reactor / APFC relay / Active Harmonic filter / Auxiliary contactor	:	Neptune-Ducati / Schneider Electric / LK / Siemens / Epcos
42.	DLP / PVC trunking	:	Legrand / AKG / Precision / / MK / Press Fit
43.	Control fuse	:	Eaton / C&S / Siemens
44.	Ceiling rose	:	Havells / Anchor / Cona
45.	Pole box	:	Sintex / Stanelec / Hensel
46.	Call bell / Buzzer	:	Havells / Anchor / Cona / GM
47.	DP Sheet steel enclosure	:	Havells / Schneider / Legrand / Siemens / C & S
48.	Any other item not mentioned above	:	As approved by Engineer in charge

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Central Public Works Department

NIT No. 101/EE(E)/SJHED/2026-27

Name of Work: MOEI & fans i/c compound light in NR bldg. like H-Block, H-Block Extension, Burn & Plastic and Old casualty etc. at S.J. Hospital, New Delhi. (SH: Providing of Fans including LED lights & other electrical miscellaneous related work in H Block at Safdarjung Hospital, NewDelhi).

SCHEDULE OF QUANTITY

S. No	Description of Items	Qty		Rate	Unit	Amount
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 modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.					
1.1	Group C	5	Pt.	2101.00	Pt.	10505
2	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.					
2.1	Group C	6	Pt.	1246.00	Pt.	7476
3	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.					
3.1	Group C	50	Pt.	1064.00	Pt.	53200
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.					
4.1	3 x 1.5 Sqmm	120	Mtr.	104.00	Mtr.	12480

4.2	3 x 4 sq. mm	150	Mtr.	222.00	Mtr.	33300
4.3	3 x 6 Sqmm	30	Mtr.	326.00	Mtr.	9780
5	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.					
5.1	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	10	Mtr.	1760.00	Mtr.	17600
6	Supply of following sizes of XLPE insulated PVC sheathed, copper conductor armoured, power cable of **1.1 KV grade** conforming to IS 7098 (Part I), 1988, including all amendments up to date including laying in the existing RCC/ HUME/ METAL/DWC pipe/wall surface etc. complete as required.					
6.1	3.5 X 25 sqmm	100	Mtr.	4182.00	Mtr.	418200
7	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
7.1	3½ X 25 sq. mm (28mm)	1	Nos.	371.00	Each	371
8	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.					
8.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	20	Mtr.	289.00	Mtr.	5780
9	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	200	Mtr.	50.00	Mtr.	10000
10	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.					
10.1	20 mm	120	Mtr.	254.00	Mtr.	30480
10.2	25 mm	50	Mtr.	289.00	Mtr.	14450
10.3	40 mm	10	Mtr.	515.00	Mtr.	5150
11	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					

11.1	3 Module (100mmX75mm)	40	Nos.	384.00	Each	15360
11.2	6 Module (200mmX75mm)	27	Nos.	462.00	Each	12474
11.3	12 Module (200mmX150mm)	45	Nos.	614.00	Each	27630
12	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required					
12.1	5/6 A switch	50	Nos.	121.00	Each	6050
12.2	3 pin 5/6 A socket outlet	50	Nos.	136.00	Each	6800
12.3	15/16 amp switch	240	Nos.	176.00	Each	42240
12.4	6 pin 15/16 amp socket outlet	240	Nos.	219.00	Each	52560
12.5	Telephone socket outlet	10	Nos.	168.00	Each	1680
12.6	Bell push	1	Nos.	159.00	Each	159
12	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	1	Nos.	112.00	Each	112
13	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	50	Nos.	47.00	Each	2350
14	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	8	Nos.	104.00	Each	832
15	Supplying & fixing suitable size GI box wih 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.	5	Nos.	807.00	Each	4035
16	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	10	Nos.	1258.00	Each	12580
17	Supplying and fixing 5 A to 32 A rating, 240/415 V, "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	48	Nos.	285.00	Each	13680
18	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
a)	4 way (4 + 12), Double door	1	Nos.	7951.00	Each	7951

19	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)	8 way (4 + 24), Double door	2	Nos.	6337.00	Each	12674
20	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required.					
a)	125 A, 16 KA,TPMCCB	1	Nos.	8644.00	Each	8644
21	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
a)	63 A	2	Nos.	1115.00	Each	2230
22	Supplying and fixing following rating,three pole, 415 volts, C- Curve Trip MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
a)	63 A,10KA, TPMCB	4	Nos.	2538.00	Each	10152
23	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS / HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.					
23.1	1200mm, service value $\geq$ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum)	40	Nos.	2695.00	Each	107800

24	LED Batten light (System lumen efficacy ≥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, freq 50/60 hz, Operating temp range -5 deg to 40 deg centigrade, 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 circuitary), 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 Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). 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 lumen efficacy ≥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).					
24.1	40 watt Powder Coated CRCA Sheet Body (Thickness > 0.50 mm)	150	Nos.	663.00	Each	99450
25	LED Panel light 2x2 ft. (System lumen efficacy ≥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, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, 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 /6000°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year					

	OEM warranty. System lumen efficacy ≥105 <120 lm/Watt output . LM79 & LM80 Test report from NABL lab for 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 aluminum housing such that LED junction temperature shall not rise above 90°C).					
25.1	40 watt CRCA Sheet Body (Thickness ≥ 0.50 mm)	121	Nos.	2197.00	Each	265837
26	**LED Down lighter (COB Type) (System lumen efficacy ≥120 lm/Watt)** Supplying, installation, Testing & Commissioning of LED Recessed / surface Down lighter (Round / square/ Rectangular) COB Type 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, freq 50/60 hz, Operating temp range -15 deg to 40 deg centigrade, 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), life time of minimum 50000 Burning Hours with, 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K / 6000°K /6500°K (As per ANSI Bin), SDCM (Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard and trade mark certificate (T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. "complete in all respect i/c connections with 1.5 sq mm FRLS, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥120 <135 lm/Watt output . LM79 & LM80 Test report from NABL lab for 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 aluminum housing such that LED junction temperature shall not rise above 90°C).					
26.1	18 watt	35	Nos.	1470.00	Each	51450
27	SITC of Plastic body 250 mm exhaust fan of 220 volt, 50 Hz, AC supply i/c making the hole to suit the size of the above fan, cutting of window and dismantling of glass to meet the size requirment and making good the damage by providing iron/aluminium member in existing window frame i/c connection testing and commissioning etc as reqd.	18	Nos.	1594.00	Each	28692
28	SITC of 400mm sweep plastic body wall mounted fan having three speed settings with oscillation and tilt mechanism, pull cord, aerodynamically design and bal- anced blades, rated voltage 220/440 Volts, 50 Hz, 1-ph AC having Class 'E' motor insulation and minimum 1300 RPM, air delivery of minimum 6000 m3/hr i/c wiring complete with 1.5 sqmm DR PVC insulated copper conductor, single core cable etc. complete as reqd. at site.	39	Nos.	3052.00	Each	119028
29	SITC of 300 mm sweep, heavy-duty exhaust fan with steel body and double ball bearing motor, suitable for 230 V, single phase, 50 Hz AC supply, including providing and fixing of suitable MS frame, cutting of wall opening wherever required, fixing, grouting, electrical connections, necessary accessories and making good the disturbed surfaces, complete in all respects as required.	6	Nos.	4246.00	Each	25476

30	SITC of 25 litre capacity, 5-star BEE-rated vertical storage type electric water geyser, suitable for wall mounting and operating on 230 V, 50 Hz AC supply, complete with glass-lined inner tank made of thick cold-rolled steel plate, glass-coated copper heating element resistant to corrosion due to hard water, CFC-free thick PUF insulation, minimum rated working pressure of 0.8 MPa, reheating time of 90 minutes or less, rated power output of 3000 watts, external temperature indicator, standing heat loss not exceeding 0.74 kWh/24 hours at 45°C temperature difference, thermostat, thermal cut-out, multi-function safety valve, pressure relief valve, necessary inlet and outlet connections, mounting accessories complete in all respects as required.	2	Nos.	10370.00	Each	20740
31	SITC of heavy-duty, wall-mounted Stainless Steel (SS) Insect Killer unit, manufactured from high-quality, corrosion-resistant stainless steel sheet housing (Grade SS 304), equipped with two numbers of 600 mm long UV-A luminous tubes (15W/18W each), heavy-duty energy-efficient copper wound ballast (choke), robust tube starters, internal high-voltage killing grid, and a removable insect collection tray complete etc as required.	29	Nos.	5463.00	Each	158427
32	Supplying and fixing of surface-mounted PVC cable management trunking of size 80 × 50 mm, flame-retardant and self-extinguishing PVC, in white colour, complete with snap-fit/removable cover for easy access and maintenance. The trunking shall be suitable for routing and management of electrical/data cables and shall be complete with all necessary bends, tees, reducers, couplers, junctions, end caps and other accessories, including suitable screws, rawl plugs/fasteners and supports required for proper fixing on wall/ceiling or other surfaces, cutting, drilling, alignment, jointing and installation complete in all respects as required at site.	30	Mtr.	1311.00	Mtr.	39330
33	Less credit for dismantling:-					
a)	Assorted Copper Wire	9	Kg.	-800.00	Kg.	-7200
b)	Assorted MS Conduit	20	Kg.	-40.00	Kg.	-800
c)	Assorted Switch/Socket	15	Nos.	-5.00	Each	-75
d)	Assorted Wall /Ceiling/ExhaustFan	30	Nos.	-300.00	Each	-9000
e)	Assorted Insect Killer	15	Nos.	-300.00	Each	-4500
f)	Assorted SP/MCB	2	Nos.	-20.00	Each	-40
g)	Assorted LED Batten/Downlighter	25	Nos.	-30.00	Each	-750

h)	Assorted GI Box/DBs	8	Kg.	-30.00	Kg.	-240
i)	Assorted Geyser	3	Nos.	-800.00	Each	-2400
k)	Assorted LED 2 x 2 panel fitting	30	Nos.	-100.00	Each	-3000
						1757190
	Grand Total					

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