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कार्य का नाम :- **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).**

NIT No.:- 80 / EE (E) / DED – 301 / 2026 -27

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प्रमाणित किया जाता है कि इस निविदा में कुल 1 से 31 पृष्ठ हैं। (इस पृष्ठ सहित)

Certified that this N.I.T. contains 1 to 31 Pages (including this page)

“NIT approved for Rs. 15,13,521/- only.”

**Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

टैन्डर नोटिस

के०लो०नि०वि०, ई-निविदा आमन्त्रण सूचना

भारत के राष्ट्रपति की ओर से कार्यपालक अभियन्ता (वै०), दिल्ली विद्युत मंडल-301, के.लो.नि.वि., ईस्ट ब्लॉक-3, तल-6, आर.के.पुरम्, नई दिल्ली-110066, दूरभाष:-26191980, फैक्स नं०-26100054 निम्नलिखित कार्य के लिए के.लो.नि.वि. में उचित श्रेणी में **Buildings & Roads (Erstwhile Composite/Building/Infrastructure)** में पंजीकृत तथा उपयुक्त पात्र ठेकेदारों से प्रतिशत दर ई-निविदा आवेदन आमंत्रित की जाती है।

नि.आ.सं. **80 / का०अभि०(वै०) / दि०वै०मं०-301 / 2026-27**, कार्य का नाम:- **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works)**. अनुमानित लागत रुपये :- **15,13,521/-** धरोहर राशि :- **30,270/-** एवं अनुमत्य समय: 2 माह ऑनलाइन निविदा डालने की अंतिम तिथि व समय: **19-10-2026** को अपराह्न **15:00** बजे तक बीड खोलने की तिथि: **19-10-2026 15:30** बजे तक।

इस निविदा सूचना की विस्तृत जानकारी को वेबसाइट www.etender.cpwd.gov.in से प्राप्त किया जा सकता है। प्रैस नोटिस सूचना को वेबसाइट www.cpwd.gov.in पर भी उपलब्ध है।

TENDER NOTICE

CPWD

NOTICE INVITING E-TENDERS

The Executive Engineer (E), DELHI ELECTRICAL DIVISION-301, CPWD, East Block-III, Level-VI, R.K. Puram, New Delhi-110066, 011-26191980, Fax No:- 26100054 on behalf of President of India invites Online percentage rate e-tender in single bid system from **Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category** for the following work:

NIT No. 80 /EE(E)/DED-301/2026-27, Name of work:- Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works). Estimated Cost Rs 15,13,521/-, Earnest Money:- 30,270/- and Period of Completion: 2 Months, Last Date and Time of Submission of Tender Online 19-10-2026 15:00 hrs. Date of opening of bid: 19-10-2026 15:30 hrs.

The bid forms and other details can be obtained from the website www.etender.cpwd.gov.in. The press notice is also available on www.cpwd.gov.in

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING

The Executive Engineer (E), DED-301 (Formerly known as ED-IX, CPWD, R K Puram New Delhi. (Phone 011-26191980 e-mail: deleed9.cpwd@nic.in), invites on behalf of President of India, online percentage rate e-tender in single bid system from **Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category** for the following work:-

NIT No.	80 / EE (E) / DED – 301 / 2026 – 27
Name of work & location	Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).
Estimated cost put to tender	Rs. 15,13,521/-
Earnest Money	Rs 30,270/-
Period of Completion	2 Months
Last date & time of submission of bids, EMD & other documents as specified in the NIT	Upto 15:00 hrs. on 19-10-2026
Time & date of opening price bid	15:30 hrs. on 19-10-2026

****To be filled up by EE(E)**

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.etender.cpwd.gov.in/ CPWD or www.cpwd.gov.in.
4. **But the bid can only be submitted after deposition of original EMD either in the office of of Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned document such as Insurance surety Bonds, Account Payee Demand Draft or Bankers Cheque or Fixed Deposit Receipt or / and Bank guarantee (A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee) from any of the Commerical Banks towards EMD in favour of Executive Engineer (E), ED-IX, CPWD, New Delhi, receipt for deposition of original EMD to Division office of any Executive Engineer, CPWD including NIT Issuing EE / AE, CPWD and other document as specified.**
5. Those contractors not registered on the website mentioned above, are required to get registered before and. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class- III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote percentage rate of works component as given in template. The column meant for quoting percentage rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
10. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if tenderer does not quote any percentage above or below on the total amount of the tender or any section / sub head in percentage tender, the tender shall be treated as invalid and not consider lowest tender.
11. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.

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

AE(E)(P)/DED-301

EE (E) /DED/301

1. Insurance surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank guarantee from any of the Commercial Banks against EMD in favour of Executive Engineer (E), ED-IX, CPWD, New Delhi. **(EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tenderer submitting the bid. Shall not be accepted. CPWD OM No. DG / SOP – 2024 / 22, Dt. 23-03-2026.)**
2. Copy of receipt for deposition of original EMD issued from Division office of any Executive Engineer, CPWD (In Enclosed Performa)
Note :- EMD is required to deposit in the office of Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission as per CPWD Works Manual-2022 and associated SOP Provision 5/1 (Para-6)/CPWD OM No. DG/SOP/37 dated 04-05-2022). If the EMD is deposited in Sub Division office then it shall not be considered and tender shall be rejected.)
3. Enlistment Order of the Contractor of the Buildings & Roads (erstwhile Composite / Building / Infrastructure) Category in CPWD
4. Copy of Certificate of Registration in GST & acknowledgment of upto date filed return of GST. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking 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. Valid Electrical Contractor License or undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate the contractor having valid electrical license of appropriate class. **(Undertaking Form Enclosed Pg. 05)**
6. **ERP training Certificate. (Note: The enlisted contractor will not be allowed to participate in the tendering process without uploading the certificate of ERP training w.e.f. 01.07.2024.)**
7. Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence)

Note:- The Lowest Bidder is required to produce original document on or before or at the time of submission of Performance guarantee Money which are uploaded by the bidder at the time of bid submission otherwise Performance guarantee Money shall not be accepted & EMD shall be forfeited.

**Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

**Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66**

AE(E)(P)/DED-301

EE (E) /DED/301

Undertaking Form

UNDERTAKING FOR ASSOCIATING VALID ELECTRICAL CONTRACTOR LICENSE HOLDER

1. Name of Work: **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).**
2. NIT No. **80 / EE (E) / DED – 301 / 2026 – 27**
3. Estimated Cost. **Rs. 15,13,521/-**
4. Amount of Earnest Money Depsoit Rs. **30,270/-**
5. Last date of submission of bids **19-10-2026**, upto **15:00** Hrs.

I undertake that I will either obtain valid electrical license at the time of execution of electrical work or associate the contractor having valid electrical license of appropriate class after acceptance of tender alongwith Performance Guarantee otherwise department shall forfeit the deposited EMD absolutely & shall reject my/our tender and debar me/us from re-tendering for this work”

Signature :-.....

Agency Name :-.....

Agency Address :-

.....

.....

Receipt of deposition of original EMD (Receipt No. /Date.....)	
1.	Name of Work: Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).
2.	NIT No. 80 / EE (E) / DED – 301 / 2026 – 27
3.	Estimated Cost. Rs. 15,13,521/-
4.	Amount of Earnest Money Deposit Rs. 30,270/-
5.	Last date of submission of bids 19-10-2026 , up to 15:00 Hrs. <i>(*To be filled in by NIT approving authority/ EE at the time of issue of NIT and uploaded along with NIT)</i>
1.	Name of contractor:- -----
2.	Form of EMD:- -----
3.	Amount of Earnest Money Deposit:- -----
4.	Date of submission of EMD:- -----
	Signature, Name and Designation of EMD Receiving officer (EE/AE(P)/AAO) Along with office stamp
Note:- 1) EMD should be in favour of Executive Engineer (E), ED-IX, CPWD, New Delhi 2) EMD is required to deposit in the office of Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi who is inviting bid or Division office of any Executive Engineer, CPWD within the period of bid submission as per CPWD Works Manual-2022 and associated SOP Provision 5/1 (Para-6)/CPWD OM No. DG/SOP/37 dated 04-05-2022). If the EMD is deposited in Sub Division office then it shall not be considered and tender shall be rejected.) <u>3) EMD shall be ame / issued only from the account of the bidder / tenderer submitting the bid / tender. EMD made / issued from the account other than that of the bidder / tendere submitting the bid. Shall be not be accepted. (As per CPWD OM No. DG / SOP – 2024 / 22, Dt. 23-03-2026.)</u>	
#To be filled in by EMD receiving EE	

CPWD-6

भारत सरकार **GOVERNMENT OF INDIA**
केन्द्रीय लोक निर्माण विभाग **CENTRAL PUBLIC WORKS DEPARTMENT**
निविदा आमंत्रण सूचना **NOTICE INVITING e-BID**

(ई-निविदा के लिए / For e-tendering)

~~Item rate/~~ Percentage rate bids are invited on behalf of President of India from the **Registered contractor in CPWD in appropriate class of Buildings & Roads (Erstwhile Composite/Building/Infrastructure) Category** 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 **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).**

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

In case only 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. 15,13,521/-** This estimate, however, is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) 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 **2 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 bid documents.
4. The site for the work is available.

The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website, www.etender.cpwd.gov.in on www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit the revised bid any number of times but before the last time and date of submission of the bid as notified.
7. While submitting the revised bid, the contractor can revise the rate of one or more item(s) any number of times (he need not re-enter the rate of all the items) but before last time and date of submission of a bid as notified.
8. When bids are invited in three-stage system and if it is desired to submit a revised financial bid then it shall be mandatory to submit the 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 Commerical Banks (drawn in favour of Executive Engineer (E), ED-IX, 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 (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi inviting bids or Division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer 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, 50% of earnest money or Rs 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial Bank having validity for 6 months or more from the last date of Receipt of bids which is to be scanned and uploaded by the intending bidders.

- 9A The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.

The bid submitted shall be opened at 03:30 PM on 19-10-2026

10. The bid submitted shall become invalid if:
- (i) The bidders is found ineligible.
 - (ii) The bidder does not deposit Earnest Money deposit declaration proforma as per page 10 of NIT.
 - (iii) The bidder does not upload all documents (including GST registration) as stipulated in the bid documents.
 - (iv) 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.
11. The contractor whose bid is accepted, will be required to furnish 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). Where the tendered amount is less than eighty percent (80%) of the Estimate 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 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 alongwith 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. The description of work is as following:
Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a

AE(E)(P)/DED-301

EE (E) /DED/301

bidders 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 bid 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 bidders is strictly prohibited and the bid 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 bid and the bidders 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 a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer to 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 bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of 30 Days from the date of opening of Eligibility/Technical/Price bid if any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidder shall not be allowed to participate in the rebidding process of the 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 7 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 part of the bid as uploaded at the time of invitation of bid and 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 applicable.

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), ED-9, R K Puram New Delhi-66.** on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT Number).....dated.....for.....(Name of work : **"Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works)."** 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), ED-9, R K Puram New Delhi-66.** 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: **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).** 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).....(hereinafter referred to as "the Bank"), hereby undertake to pay to the Govt. an amount not exceeding Rs..... (Rs.....only) on demand by the Govt. within 10 days of the demand.
3. We,(indicate the name of the bank)..... do hereby 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 up to.....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

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 a validity period of 90 days where only financial bids are invited and 180 days for two/three bid systems from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. A 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-301 आर.के.पुरम, 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-301, CPWD
R K Puram, New Delhi.

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

Proforma for extension of BG to be issued 30 days before its expiry)

भारत सरकार
केन्द्रीय लोक निर्माण विभाग
दि.वै.मं-301 आर.के.पुरम, नई दिल्ली

To

The (Name and address of Contractor)...

.....

.....

Sub : Extension of Bank Guarantee numberdated..... issued by(Name of Bank).....

(Name of work: **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).**

Agreement No.

Dear Sir,

The Bank Guarantee number.....dated..... submitted by you for the above mentioned work as security deposit/performance guarantee/mobilization advance/earnest money deposit (as applicable) is valid upto.....

The validity of the aforesaid bank guarantee needs to be extended because.....(give reasons).....

You are, therefore, requested to get the validity of the said Bank Guarantee extended upto.....and submit the same to this office within 15 days from the issue of this letter, failing which it shall be encashed without further notice.

Yours faithfully,

Yours faithfully,
Executive Engineer (E)
DED-301, CPWD
R K Puram, New Delhi.

[Note for EE(E): If extended Bank Guarantee is not received by the prescribed date, action for encashment must be initiated].

AE(E)(P)/DED-301

EE (E) /DED/301

CPWD-7
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender & Contract for Works

Tender for the : Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).
work of

- (i) Tender to be uploaded online by **15:00 hrs. 19-10-2026**
- (ii) The time and date of opening of the bid online in presence of tenderers who may be present at **15:30 hrs. 19-10-2026** in the office of **The Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.**

T E N D E R

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... 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. **30,270/-** 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 Commerical 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 Commerical Banks is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within the 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. Further, if I/We fail to commence work as specified, I/ We agree that the 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. 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, if I/We fail to commence work as specified, I/We agree that the 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. 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 the 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 a back-to-back basis. Further that, if such a violation comes to the notice of the Department, then I/we shall be debarred for tendering in CPWD in the future forever. Also, if such a violation comes to the notice of the Department before the date of start of work, the Engineer-in-Charge shall be free to debar for tendering in CPWD.

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

AE(E)(P)/DED-301

EE (E) /DED/301

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

Witness: -----

Address: -----

Occupation: -----

Signature of the Contractor

Postal Address -----

Telephone No. -----

FAX -----

E-MAIL -----

स्वीकृति
ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and 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 the President of India

Dated _____

Signature_____

Designation _____

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) - (As per Schedule Attached)

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any. **Nil**

SCHEDULE 'E'

Reference to General Conditions of contract (GCC-EPC Project-2022/ GCC-Maintenance work-2023/ GCC-Construction work-2023)	:	General conditions of contract for Maintenance Work - 2023 as modified and corrected up to previous day of last day of submission of tender).
Name of Work	:	Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).
Estimated cost of work	:	Rs. 15,13,521/-
(i) Earnest Money	:	Rs. 30,270/- (to be returned after receiving of performance guarantee)
(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 Estimate 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 the tendered value of the work is to be deducted from each R/A Bill.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS :

Officer inviting tender : Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.

Definitions

2(v) Engineer -in- Charge : Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.

2(viii) Accepting Authority : Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi.

2(x) Percentage on cost of materials and Labour to cover all overheads and profits :

15%

2(xi) Standard Schedule of Rates : Based on Current Minimum Wages of labour of Central Govt., Market Rates & DSR-2025

2(xii) Department : Central Public Works Department.

9(ii) Standard CPWD Contract Form GCC 2023, CPWD Form 7/8 as modified & corrected up to the previous day of the last : GCC Maintenance Work -2023 & CPWD Form 7 corrected upto date of submission of Tender

AE(E)(P)/DED-301

EE (E) /DED/301

day of submission of tender).

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. : **7 Days**
- (ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above : **3 Days**

Clause 2

Authority for fixing compensation under **Clause- 2** : **Chief Engineer (NDZ III), CPWD, Sewa Bhawan, New Delhi**

Clause 2A

Applicable clause 2/ Clause 2A : **No**

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start Mile stone(s) as per table given below. : **10 days**

S.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 (of agreement amount)
NIL			

Time allowed for execution of work : **2 Months**

Authority to decide

- (i) Authority to convey the decision of shifting of extension of time. : **Executive Engineer (E), DED-301 (Formerly known as ED-IX), CPWD, R K Puram New Delhi**
- (ii) Authority to decide rescheduling of extension of time. : **Chief Engineer, N.D.Z. – III, Sewa Bhawan, CPWD, R K Puram, New Delhi.**
- (iii) Shifting of date of start in case of delay in handing over of site : **Chief Engineer, N.D.Z. – III, Sewa Bhawan, CPWD, R K Puram, New Delhi.**

PROFORMA OF SCHEDULES Clause 5 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		
Part B	Portions with encumbrances		

Part C	Portions dependent on work of other agencies		
--------	--	--	--

Clause 6 : : **EMB**

Clause 7 : Gross work to be done : As per Mutually Agree together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.

Clause 7A: Whether clause 7A shall be : Yes applicable

Clause 10A

List of testing equipment to be provided by the contractor at site lab.

1...Earth Tester..... 2 ..Meggar... 3.... Clamp.Meter.....

----- **As per direction of Engineer-in-charge** -----

Clause 10B (ii)

Whether **Clause 10 B (ii)** shall be : **No.**
applicable

Clause 10C

Component of labour expressed as percent : **As per GCC 15 %**
of value of work

Clause 10 CC

Schedule of component of other Materials, **Not Applicable**
Labour etc. for price escalation

Component of Electrical Material :
expressed as percentage of total value of work.

Component of of Labour : **Not Applicable**
Expressed as percentage of total value of work.

Clause 11

Specifications to be followed for execution : **C.P.W.D. General Specifications for EI works, Sub-Station, DG Set, Fire Alarm System, Lifts as amended upto date & as per Terms & conditions attached.**
of work

Clause 12- Type of work

Authority to decide deviation upto 1.5 times of tendered Amount

12.2. & 12.3

Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for this work :

: **Maintenance work**

Chief Engineer (NDZ III), CPWD, Sewa Bhawan, New Delhi

N.A. (All the deviated quantity shall be paid at agreement rate)

12.5

(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth : As per CPWD Work / GCC / Latest Circular

ii) Deviation Limit for items mentioned in earth :
Work subhead of DSR and related work

Clause 16

Competent Authority for deciding reduced rates : Chief Engineer (NDZ III), CPWD, Sewa Bhawan, New Delhi

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site

1- Ladder 2- Spanner Set 3- Screw Driver Set

4- Test Lamp 5 Plier 6.

----- As per direction of Engineer-in-charge -----

Clause 19 C: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19D: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19G: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 19K: Competent Authority to decide penalty for each default as per GCC 2023 provisions

Clause 25

Settlement of Disputes by Conciliation and Arbitration:	Conciliator	ADG (RD), CPWD, New Delhi
	Arbitrator Appointing authority	Chief Engineer, NDZ-III, CPWD, New Delhi
	Place of Arbitration	New Delhi

Clause 32

Requirement of Technical Representative(s) and recovery Rate: -

S. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical /Technical Representative)	Minimum experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1	Graduate Engineer OR Diploma Engineer	Electrical	Project Manager cum planning / quality / site / billing Engineer	2 or 5 respectively	1 No.	Rs. 15000/- Per Month per person	Rs. Fifteen Thousand per month per person

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

Diploma holder Engineer 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 holder Engineers should not exceed 50% of requirement of degree engineers.

Clause 38

- | | | | |
|------|-----|--|------|
| (i) | (a) | Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2025 printed by C.P.W.D. | N.A. |
| (ii) | | Variations permissible on theoretical quantities: | N.A. |
| | | Cement For works with estimated cost put to bid not more than Rs. 25 lakh. | |
| | | For works with estimated cost put to bid more than Rs.25 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. | N.A. |

Assistant Engineer (E) (P)
DED-301, CPWD,
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R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
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R K Puram New Delhi-66

TERMS AND CONDITIONS

1. **The work shall be carried out strictly in accordance with CPWD Specification Internal, External -2023, ,Part IV Sub Station 2013, Part VI, Fire Detection and Alarm system 2018 & HVAC 2024 with correction upto date** and in accordance with Indian Electricity Rules, 1956, India Electricity Act, 2003 as amended upto date and as per instructions of the Engineer-in-Charge.
2. All the material to be used on this work by the contractor shall be approved from the Engineer-in-Charge in advance before installation at the site..
3. The contractor shall initially submit the drawing/sketch/layout of the proposed work to EIC, which shall be approved by EIC after due examination. The contractor shall then start the work as per approved layout.
4. All damages done to the building during the execution of electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. In case, the repair is not satisfactory, the department will get it rectified & any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-charge about recovery shall be final & binding on the contractor.
5. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost to the satisfaction of the Engineer-in-Charge. The program of electrical works are to be coordinated in accordance with occupants of the building.
6. All the debries of the electrical works should be removed and the site should be cleared by the contractor immediately after the accruing of debries daily. Similarly any rejected material should be immediately cleared off from the site by the contractor.
7. The contractor or his engineer is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
8. The contractor shall make his own arrangement at his own cost for Electrical/ General tools and plants required for the work.
9. Main board and main distribution board:- The contractor shall have to get the sample approved before the whole lot is brought to site and it shall include all inter connections etc. The main board, distribution board shall be properly labeled.
10. The rates tendered should be inclusive all taxes and duties. Statutory deductions at source shall be made while releasing payment through running/final bills as applicable. A certificate specifying the rate and amount of deduction shall however issued by the department.
11. The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. The watch & ward is the responsibility of the contractor till handing over. In case of any loss due to theft, the same shall be made good by the contractor on its own expenses
12. Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to make the installation complete and operative are deemed to be included, shall be provided by the contractor at no extra cost.
13. The connection, inter connection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
14. Nothing extra shall be paid for inter connections with thimbles/Wires/Tapes strips etc. used on the work.
15. The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.
16. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from the Engineer-in-charge.
17. Make of MCB/MCCB shall be the same as the maker of MCB DB as per approved make of list.
18. Cutting of brick walls shall be done with due care. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of the Engineer in Charge.

19. All the sub main and circuits wiring includes loose wire for connections inside switch boxes and MCB DBs. No payment for these loose wires shall be made.
20. The connection between incoming switch/isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.
21. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.
22. All hardware items such as screws, thimbles, GI wire etc. which are essentially required for completing an item as per specification will be deemed to be included in the item even when the same have not been specifically mentioned.
23. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring for some other agency subsequently. Nothing extra shall be paid for the same.
24. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.
25. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. The materials to be used in the work shall be got approved by the Engineer in Charge/his representative before its use at site. The E-in-C shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not acceptable.
26. NIT. The decision of Engineer-in-charge shall be final.
27. **The agency shall submit Tax invoices/challan of each electrical items at the time of submission of every running account/ Final bill.**
28. **Work is to be carried out in security zone hence it will be the responsibility of the contractor to get issue necessary entry passes for the entry in the building from the competent authority and no claim on account of wages of Labour etc shall be entertained by the department.**
29. **Guarantee of other equipment's :-**
All equipment's shall be guaranteed for period of 12 months from the date of taking over the installations by the department against unsatisfactory performance and/or break down due to defective design, workmanship of material. The equipment's or components, or any parts 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 got be 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.
30. **Guarantee for LED fittings & fixtures**
 - a) All the LED Bulbs/ LED fittings shall be guaranteed for a period of 5 Years and the agency shall submit guarantee /warranty certificate issued by the OEM / Manufacturer, specifically issued for this work/ agreement, before payment of final bill.
 - b) 50% of the Performance Guarantee for tendered amount of LED fittings, shall be refunded to the contractor soon after the completion of the work and after recording of the completion certificate.
 - c) 50% of the Performance Guarantee for tendered amount of LED fittings, shall be retained as Security Deposit.
 - d) 50% of the Performance Guarantee retained on tendered amount of LED fittings, as Security Deposit plus 2.5% Security Deposit already deducted from running bills (total 2.5 +2.5 = 5% of tendered amount of LED fittings) shall be refunded year wise proportionately.
 - e) Sample of any quantity & any type of LED fitting at random selected from the material supplied at site as per discretion of Engineer-In-charge may be sent to any NABL/UL accredited lab for the checking and verification of its performance parameter as per LM-79/ 80 report. This expenditure cost shall be borne by the department. However, in case of failure of sample or the sample not found as per specification, the expenditure on this A/C shall be recovered from the

- bill of the contractor and the material shall required to be removed from the site.
30. The contractor shall arrange to submit LM -79 & LM -80 reports from LED manufacturer for each and every type of LED fittings.
 31. In the acceptable makes of fitting model No. of one of the acceptable make has been mentioned for guidance. However, the contractor is free to supply any of the 3 makes, provided the parameters of the fittings match with the fitting model No. mentioned in NIT. The decision of Engineer-in-charge shall be final.
 32. The lamp color temperature shall be intimated by Engineer-in-charge/his representative at site.
 33. In the acceptable makes of fitting model No. of one of the acceptable make has been mentioned for guidance. However, the contractor is free to supply any of the 3 makes, provided the parameters of the fittings match with the fitting model No. mentioned in NIT. The decision of Engineer-in-charge shall be final.

TECHNICAL SPECIFICATIONS OF LED LIGHTS

S. No.	Parameters	Technical specifications
1	LED chip make	Cree /Nichia/ Osram / Lumiled/ Philips /Bridge Lux/ LMS
2	Ingress Protection	IP20 (For indoor appliances) IP66 (For outdoor appliances)
3	CRI (Typical)	>80 for indoor appliances & CRI >70 by outdoor appliances
4	Harmonicas/THD	<20% for LED tubes & <10% for all LED fittings
5	Power Factor	Minimum 0.90 at full load/230 Vac
6	Input Voltage	Operating Voltage – 140-270 VAC
7	Rated Voltage	220V-240V
8	Surge Voltage	Up-to 2 kV L, N for Indoor Lighting
9	Input Frequency	47 to 55 Hz
10	Working Temp	-15 to +50 deg C
11	Product Housing Op. Temperature	-5 to +50 deg C
12	Working Humidity	10% - 90% RH
13	LED Luminaire Photometric data	IESLM79 and IESLM80
14	Standard Warranty	5 years for all fitting (Indoor & Out Door)
15	LED Life	50000 Buring Hours at L70B50 for LED tubes (18watt) 50000 Burning Hours at L-70 for all LED fittings (Indoor & Out Door)

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Annexure – A 1

LIST OF ACCEPTABLE MAKE

S/No	DESCRIPTION	MAKES
1	M S / PVC CONDUIT (ISI MARKED)	NIC/BEC/RMCON/AKG
2	WIRE (ISI MARKED)	POLYCAB / FINOLEX / HAVELLS / KEI / R R KABEL/ GRANDLAY
3	CABLE (ISI MARKED)	POLYCAB / FINOLEX/ HAVELLS / GRANDLAY
4	MODULAR TYPE SWITCH, SOCKET, ELECTRONIC FAN REGULATOR (STEPPED TYPE), BELL PUSH (WITH INDICATOR) MODULAR BASE AND COVER PLATE GI BOX, Mounting Plate for modular accessories (Note:- all the modular accessories with GI box should be of same make)	PHILIPS / LEGRAND / CRABTREE / SIEMENS / ANCHOR ROMA / L&T (Lauritz Knudsen Electrical and Automation) / Wipro
5	PHENOLIC LAMINATED SHEET (ISI MARKED)	HYLEM/ FORMICA (ISI MARKED) WHITE
6	PLY BOARD	KITPLY / DURAIN / CENTURY
7	MCCB, MCB, MCB DB, ISOLATOR, RCCB, INDUSTRIAL TYPE SOCKET, LOOSE WIRE BOX / ASTRONOMICAL TIME SWITCH	LEGRAND/SCHNEIDER/HAGER/ ABB/ L&T (Lauritz Knudsen Electrical and Automation
8	LED FITTINGS	WIPRO / LT / PHILIPS / HAVELLS / REGENT / ORIENT/CROMPTON
9	DWC PIPE	D – REX / Duraline / Triputi / Gemini
10	STREET LIGHT PANEL	HAVELLS / WIPRO / GOLDDYAN
11	SMC BOX	HENSEL / SINTEX
12	CABLE TRAY	PILCO / SLOTCO / PASCO/MEM/STEEL WAYS / BEC/LEGRAND / JP Electrical & Controls (Noida) / KP Green Engineering
13	GI PIPE / M S PIPE	JINDAL (HISSAR)/TATA/ PRAKASH SURYA (ISI MARKED)
14	CPVC PIPE	AKG/NIC/FINOLEX/ASTRAL
15	Exhaust Pipe	JINDAL (HISSAR)/TATA/ PRAKASH SURYA (ISI MARKED)
THE ITEMS WHICH ARE NOT MENTIONED IN ABOVE LIST SHALL BE USED AS PER THE DIRECTION OF ENGINEER-INCHARGE.		

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
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Executive Engineer (E)
DED-301, CPWD,
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R K Puram New Delhi-66

Schedule of Work

Name of Work: **Special Repair and Renovation work at External Premises of NHQ, West Block-5, R.K. Puram, New Delhi (SH:- Electrical Works).**

S.No.	Description of Item	Qty.	Unit	Rate	Amount
1	LED Flood Light, powder coated pressure die cast aluminium (System lumen efficacy ≥ 105 <120 lm/Watt). Supplying, Installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency >85%, THD < 10% as per IEC 61000-3-2, P. F. ≥ 0.95 , IP-66, IK-10, CRI >70, under voltage and over voltage protection, EMI-EMC as per CISPR -15, lenses for beam angle 30 deg-120deg as per the application and the project requirement., suitable tilt able fitting, 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 Color Matching) <5, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard 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).				
1.1	70 watt	9.00	Each	2114.00	19026.00
1.2	100 watt	12.00	Each	2266.00	27192.00
1.3	250 watt(On the existing high mast pole upto height 20 mtr with the help of hydra machine)	12.00	Each	5450.00	65400.00

2	LED Street light fixture, powder coated pressure die cast aluminium body (System lumen efficacy $\geq 105 < 120$ lm/Watt) Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminium body with driver as per the requirement with Driver efficiency $> 85\%$, Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 0C to 50 0C, internal surge protection of 5 KV L,N,E as per IEC 61000-4-5, Driver efficiency $> 85\%$, THD $< 10\%$ as per IEC 61000-3-2, P. F. ≥ 0.95 , IP-66, IK-10, CRI > 70 , under voltage and over voltage protection, EMI/EMC As per CISPR -15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, 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) < 5 , Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required 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).				
2.1	72 watt	25.00	Each	1920.00	48000.00
3	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).				
3.1	6 way (4 + 18), Double door	1.00	Each	5299.00	5299.00
4	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.				
4.1	Single pole	18.00	Each	285.00	5130.00
5	Supplying and fixing 63 A rating, FP 415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.00	Each	3194.00	3194.00

6	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/recess, complete with testing and commissioning etc.as required.				
6.1	For 6 way, Double door TPN MCBDB	1.00	Each	1223.00	1223.00
7	Supplying and laying o f following size XLPE insulated and PVC sheathed aluminium conductor steel armoured power cable of 1.1 KV grade conforming to IS 7098(Part-I) on wall/surface i/c connection etc. complete as required.				
7.1	3 X 10 Sqmm (clamped with 1mm thick saddle)	600.00	Mtr	366.00	219600.00
8	Supplying and laying of following size XLPE insulated and PVC sheathed aluminium conductor steel armoured power cable of 1.1 KV grade conforming to IS 7098(Part-I) on wall/surface i/c connection etc. complete as required.				
8.1	4 X 16 Sqmm (clamped with 1mm thick saddle)	50.00	Mtr	493.00	24650.00
9	Supplying and laying of following size XLPE insulated and PVC sheathed aluminium conductor steel armoured power cable of 1.1 KV grade conforming to IS 7098(Part-I) in the existing RCC/ HUME/ METAL pipe as required.				
9.1	4 X 16 Sqmm	80.00	Mtr	476.00	38080.00
10	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				
10.1	3 X 10 sq. mm (22mm)	20.00	Each	312.00	6240.00
10.2	4 X 16 sq. mm (28mm)	6.00	Each	366.00	2196.00
11	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.				
11.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	80.00	Mtr	289.00	23120.00
12	Providing and fixing of 3 x 1.5 sqmm PVC insulated and PVC round sheathed multicore bare annealed copper conductor cable in the existiung pole etc. as required.	200.00	Mtr.	153.00	30600.00
13	Supplying, Installation, testing and commissioning of street light Panel for automatic operation of street lights with Astronomical time switch to be mounted in feeder pillar/Lighting DBs at sun set &sun rise or twilight(Auto ON, Auto OFF, Auto mode) with manual override facility with 12/24 hours display format with suitable battery and indication for relay status i/c programming at site complete as required. 3 output (1 output per phase) and suitable for three phase supply power connections by fixing the 63A TPN MCB and 65A TP contactor rating with maximum load capacity				

	12 KW including indicating LED fittings with Auto/Manual selector Switches etc as required.				
13.1	3 output(1 output per phase) and suitable for three phase supply	2.00	Each	64577.00	129154.00
14	Supplying and fixing of weather proof SMC boxes of suitable size not less than (250 x 200 x 105) mm with rubber gasket & following accessories in the pole box i/c fixing with 2 Nos MS clamp on pole connection interconnection etc. as reqd. a) SP MCB 6 amp / 10 KA - 01 no. b) Epoxy connector 4 pole - 01 no. c) Din bar - 01 no	40.00	Each	1907.00	76280.00
15	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4.00	Each	7658.00	30632.00
16	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	20.00	Meter	755.00	15100.00
17	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	30.00	Meter	287.00	8610.00
18	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, laying on roof surface with G.I. angle i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
18.1	225 mm width X 50 mm depth X 1.6 mm thickness	140.00	Mtr	991.00	138740.00
18.2	450 mm width X 50 mm depth X 2.0 mm thickness	70.00	Mtr	1439.00	100730.00
19	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, laying on roof surface with G.I. angle i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
19.1	225 mm width X 50 mm depth X 1.6 mm thickness	6.00	Each	2097.00	12582.00
19.2	450 mm width X 50 mm depth X 2.0 mm thickness	3.00	Each	3324.00	9972.00
20	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with two numbers GI Suspenders i/c base of suitable size GI angle, GI bolts & nuts, fastner etc as required.				
20.1	225 mm width X 50 mm depth X 1.6 mm thickness	4.00	Each	1811.00	7244.00
20.2	450 mm width X 50 mm depth X 2.0 mm thickness	2.00	Each	2844.00	5688.00

21	Supplying and fixing of 32 mm dia X 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV street light fitting on pole including bending the pipe to the required shape, 2 nos 40 mm X 3 mm flat iron clamps with nuts, bolts and washer, painting the flat iron with primer and finish paint etc. as required.	25.00	Each	1647.00	41175.00
22	Dismantling of existing upto 4X400 sq. mm cable, laying on wall/surface & relaying of only used Aluminium conductor PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade on existing cable tray i/c disconnection & connection from both ends and clamped with suitable size MS flat clamp on cable tray etc complete as required.	1000.00	Mtr	196.00	196000.00
23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints i/c insulation etc complete as per direction of Engineer in Charge (Note:- The item is executed at 10 mtr Height for drainage of AC condensed water)				
23.1	25 mm nominal dia pipes	120.00	Mtr.	401.55	48186.00
23.2	40 mm nominal dia Pipes	100.00	Mtr.	702.95	70295.00
24	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	10.00	sqm	131.75	1317.50
25	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	10.00	sqm	402.95	4029.50
26	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
26.1	Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	1.00	Cum	1503.60	1503.60
27	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
27.1	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	1.00	Cum	6812.00	6812.00

28	Supplying, installation, testing and commissioning of exhaust gas piping of 5' dia. welded black MS, B Class ISI Marked pipe conforming to IS: 3589 cut to required lengths and installed with jointing and necessary bends / fittings, supports and clamps, anti vibration mountings, insulation of exhaust system with mineral wool/rock wool, 50mm thick wiremesh i/c thickness 1 mm of suitable density covered with aluminium cladding of thickness 1 mm etc. complete as required as per specifications	12.00	Mt.	10085.00	121020.00
29	Credit for old dismantled material i/c dismantling the same				
29.1	Street/flood Light assorted size	20.00	Job	-50.00	-1000.00
29.2	SMC Box assorted size	20.00	Job	-150.00	-3000.00
29.3	Street light bracket assorted size	10.00	Each	-150.00	-1500.00
29.4	Aluminium conductor PVC insulated and PVC sheathed / XLPE power cable assorted size	200.00	Kg	-120.00	-24000.00
29.5	DB with MCB assorted size	1.00	Each	-1000.00	-1000.00
	Total				1513520.60
	Say Rs.				15,13,521/-

Assistant Engineer (E) (P)
DED-301, CPWD,
(Formerly known as ED-IX),
R K Puram New Delhi-66

Executive Engineer (E)
DED-301, CPWD,
(Formerly known as ED-IX),
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