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**Assistant Engineer (E)-P
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi**

**Executive Engineer (E)
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi**

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING FORMING PART OF
NIT AND TO BE POSTED ON WEBSITE**

(Application for inviting open tenders)

The Executive Engineer(E), DED-102, CPWD, B-520, 5th Floor, IP Bhawan, New Delhi -110002 011-23370310(P), 011-23378309(F) email: deleed2.cpwd@nic.in on behalf of President of India invites online Percentage rate tenders from **approved and eligible contractors of CPWD in appropriate class in Building & Road category** only for the following work(s):

Sl. No.	NIT No.	Name of Work & Location	Estimated cost put to bid (Rs.)	Earnest Money	Stipulated Period of Completion of work	Last date of online submission of tender, copy of EMD Deposit Receipt and other documents as specified in the bid document.	Time & date of opening of Tender
1	37/2026-27/DED-102/DELHI/2	Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)	₹ 1873946/-	₹ 37479/-	1 (One) Months	Upto 3:00 PM on 01.06.2026	At 3:30 PM on 01.06.2026

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- 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** or **www.cpwd.gov.in free of cost.**
- Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
- The intending bidder must have valid class-III digital signature to submit the bid.
- 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 Demand draft or Pay order or Bankers Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favour of **Executive Engineer (E), ED-II, 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.
- On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- Contractor can upload documents in the form of **JPG** format and **PDF** format.
- Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns 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.

10. 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.
11. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
12. It is mandatory to fill details / upload scanned copies of all the documents as stipulated in the bid document. If such document is not uploaded his bid will become invalid and processing fee shall not be refunded.
13. If the Contractor is found ineligible after opening of bids, his bid shall become invalid.
14. 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 Contractor, the bid shall become invalid.

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

1. Scan copy of EMD
2. Performa for Earnest Money Deposit Receipt (Attached)
3. Valid Enlistment Order of the Contractor.
4. 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.
5. GST Registration Certificate if already obtained by the bidder.
If the bidder has not obtained GST registration 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 under taking along with other bid documents.

"If work is awarded to me/us, I/We shall obtain GST registration certificate as applicable within one month from date of receipt of award letter or before payment of 1st R.A. bill whichever is earlier, falling which, I/We shall be responsible for any delay in payments which will be due towards me on account of the work executed and/ or for any action taken by CPWD or GST department in this regard".
6. Copy of PAN Card.
7. ERP Training Certificate

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New Delhi**

CPWD-6 FOR e-Tendering

- 1.0 The **Executive Engineer(E), Delhi Electrical Division-102, CPWD, Room no B-520, IP Bhawan, New Delhi- 110002 (Tel. No. 011-2370310/ e-mail id: deleed2.cpwd@nic.in)** on behalf of the President of India invites online Percentage rate bids from approved and eligible contractors of CPWD in appropriate class in Building & Road category for the following work:

"Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)"

*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 the original date of submission of bids.

- 1.1 The work is estimated to /his estimate, however, is given merely as a rough guide.
- 1.2 Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified in **"INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-TENDERING"**.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD-7 amended up to date which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **1 (One) 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.
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 can be seen on website www.etender.cpwd.gov.in or www.cpwd.gov.in or www.eprocure.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (He need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest Money in the form of Treasure Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (**drawn in favour of Executive Engineer (E), ED-II, 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 document shall only be issued from the place in which the office of receiving division office is situated).** 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 the NIT.
- This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.**
- A part of earnest money is acceptable in the form of Bank Guarantee includes e-bank guarantee also. In such cases 50% of earnest money or Rs. 20 lakh whichever is less, will have to be deposited in shape prescribed above and balance can be accepted in form of Bank Guarantee includes e-Bank Guarantee issued by a Commercial Bank.
- The Bank Guarantee includes e-Bank Guarantee submitted as a part of Earnest Money is valid for a period of 90 days for single bid works from the date of submission of the tender.**
- The earnest money given by all the tenderers except the lowest tenderer is refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier.**
- Copy of the documents as specified in the press notice shall be scanned and uploaded the e_tendering website within the period of bid submission. However certified copy of all the scanned and uploaded document as specified in the press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.
9. Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose EMD deposited with any division office of CPWD** and other documents scanned and uploaded

- are found in order.
10. The contractor 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 fee any time.
The bid submitted shall be opened at 03:30 PM on 01.06.2026
 11. The bid submitted shall become invalid if:
 - i. The bidder is found ineligible.
 - ii. **The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD. (The EMD document shall only be issued from the place in which the office of receiving division office is situated).**
 - 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 bidder does not quote any percentage above or below or at par on the total amount of the tender or any section head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest bid.
 - v. If bidder failed to submit the mandatory documents as mentioned in the list of mandatory documents to be scanned and uploaded within in the period of bid submission.
 12. **The contractor whose bid is accepted will be required to furnish performance guarantee of at specified percentage of the tendered amount as mentioned in Schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee includes e-Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form.** In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.
 13. The description of the work is as follows:
"Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)"
 Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
 14. 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.
 15. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.
 16. 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.
 17. 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.
18. No Engineer of gazette 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.
 19. The bid for the works shall remain open for acceptance for a period of **30 days** from the date of opening of bid.
 - (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within **7 days after last date and time (24 hours basis)** of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of 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 and time (24 hours basis)** of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work 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.
 - (iv) Withdrawal of the tender, by the tenderer, shall only be made through **e-tender portal**. Any other method i.e. through letter / e-mail etc. shall not be considered. The tender inviting authority gets intimation through SMS and email in this regard
 20. 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 bid as issued at the time of invitation of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard CPWD Form-7, GCC 2023 (Maintenance Works) as corrected / modified upto date.
 21. The eligible bidders shall quote rates for all items of the components of work.
 - 21.1 After acceptance of the bid by competent authority, the EE in charge of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into agreement with EE in charge.
 - 21.2 Entire work under the scope of the bid shall be executed under one agreement.
 22. **In case of extension of agreement due to delay and / or reduction in scope of work due to foreclosure, no claim on account of reduction in value of work, loss of business, loss of profit, consequently overheads, any type of interest etc. shall be entertained.**
 23. If the exigencies of the work so demand, the engineer-in-charge may allow payment to a third party, who is creditor to the contractor, after fulfilling the conditions under clause 7B.
 24. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no 011-23370310, e-mail Id deleed2.cpwd@nic.in) or ERP help line no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest

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**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Work

- (A) Tender for the work of:- **Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg).**
- (B)
- (i) To be uploaded by 15:00 Hours, on 01.06.2026 upload at web site www.etender.cpwd.gov.in
- (ii) To be opened in presence of tenderers who may be present at 15:30 Hours on 01.06.2026 in the office of **Executive Engineer (E), DED-102, CPWD, IP Bhawan, New Delhi**

TENDER

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

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

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

A sum of Rs. **37479/-** is hereby forwarded in receipt treasury challan/deposit at call receipt of scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled/Bank Guarantee issued by a scheduled bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit of call receipt of a scheduled bank/fixed deposit receipt of scheduled bank /demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be).

If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest the performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

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

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future for ever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/ Performance Guarantee.

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

Dated: #.....

Witness: #

Address: #

Occupation: #

To be filled in by the contractor

Signature of Contractor #

Postal Address #

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

Designation

Dated:

PROFORMA OF SCHEDULES
(Separate Proforma for Electrical Work)

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)

: **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 for Central PWD Works 2023 as amended/modified upto last date of Submission of tender.

Name of work: Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)

(i) Estimated cost of work	:	Rs. 1873946/-
(ii) EMD	:	Rs. 37479/-.
(iii) Performance Guarantee	:	a. 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). b. Where the tendered amount is less than 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 (as per circular no. DG/Manual-2024/20 dated 27.02.2026). (copy enclosed.)
(iv) Security Deposit	:	2.5% of Tendered Value

SCHEDULE 'F'

General Rules & Directions

(i)	Officer inviting tender :	:	Executive Engineer (E), DED-102, CPWD, B-520, 5th Floor, IP Bhawan, New Delhi (011-23370310 (Ph.), 011-23378309 (Fax))
(ii)	Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	:	See Below

Definitions:-

2(v)	Engineer-in-charge	:	Executive Engineer (E), DED-102, CPWD, IP Bhawan, New Delhi
2(viii)	Accepting Authority	:	Competent authority as per delegation of financial power.
2(x)	Percentage on cost of materials and labour to cover all overhead and profits	:	15%
2(xi)	Standard schedule of Rates	:	Delhi Schedule of Rates-2025 with up-to-date correction slips, Market Rate and Minimum Wages of Govt. of India.
2(xii)	Department	:	Central Public Works Department
9(vi)	Standard CPWD contract Form	:	GCC for CPWD works 2023 as amended/modified upto last date of Submission of tender.

Clause 1

(iv)	Time allowed for submission of Performance Guarantee, program 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	:	07 days
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	of letter of acceptance		
(v)	Maximum allowance extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above	:	03 days

Clause 2

	Authority for fixing compensation under clause 2	:	Chief Engineer, NDZ-I, CPWD, New Delhi
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Clause 2A

Applicable Clause 2A	:	No
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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:- From next day after the date of issue of letter for commencement of work.

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	:	1 (One) Months
Extension of time	:	Chief Engineer, NDZ-1, CPWD, Vidyut Bhawan, New Delhi or his successor
Rescheduling of mile stones	:	N/A
Shifting of date of start in case of delay in handing over of site.	:	N/A

Clause 5A

Whether clause 5A shall be applicable :- **No**

Clause 6

Computerised Measure Book (CMB)/ Electronic Measurement Book (EMB) Mode of Measurement :- **EMB**

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. :- **Not Applicable**

Clause 7A:

Whether Clause 7A shall be applicable:-

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge. **Yes**

CLAUSE 10 A

List of testing equipment to be provided by the contractor at site lab.	:	As per requirement of site and direction of Engineer-in-charge.
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CLAUSE 10B (i) Secured Advance on materials

Whether clause 10-B(i) shall be applicable	:	No
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CLAUSE 10C

Whether Clause 10C shall be applicable	:	Applicable
Component of Material / labour expressed as percentage of total value of work	:	Material (Xm)
	:	Labour (Y)
		Electrical work
		90%
		10%

CLAUSE 10CC

Schedule of component of other Materials, Labour etc. for price escalation. Component of civil (except materials covered under clause 10CA) /Electrical construction Materials expressed as percentage of total value of work.	:	Not Applicable
	:	

Clause 11

Specifications to be followed for execution of work:	:	As per General Specifications for electrical works Pt.-I Internal 2023, Pt.-II External 2023 as amended upto date.
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Clause 12:

	Authority to decide deviation upto 1.5 times of tendered amount	:	Chief Engineer, NDZ-I, CPWD, New Delhi
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for Building/Maintenance work	:	As per OM No. DG/CON/Maintenance/2023/03 dated 18/12/2023 & DG/SOP-2022/24 dated 18/12/2023
12.5	(i) Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth subhead in DSR and related items)	:	
	(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items	:	

Clause 16

Competent Authority for deciding reduced rates. (Shall be limited upto 5% of the Contract Value.)	:	Chief Engineer, NDZ-I, CPWD, New Delhi or his successor
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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.
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Clause 19C	:	Executive Engineer (E), DED-102, CPWD, I.P. Bhawan, New Delhi or his successor
Clause 19D	:	- Do -
Clause 19G	:	- Do -
Clause 19K	:	- Do -

Clause 25	
i) Conciliator	ADG (RD), CPWD or his successor
ii) Arbitrator appointing authority	CE(NDZ-I), CPWD or his successor

Clause 32: Applicable

Requirement of Technical Representative(s) and Recovery Rate

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 36(i)	
						Figure in Rs.	Words (Rupees)
1	GRADUATE ENGINEER	ELECTRICAL ENGINEERING	PRINCIPAL TECHNICAL REPRESENTATIVE	2 Years	ONE	Rs. 15,000/-	FIFTEEN THOUSAND
	OR						
	DIPLOMA ENGINEER	ELECTRICAL ENGINEERING	PROJECT PLANNING/SITE BILLING ENGINEER	5 Years	ONE	RS. 15,000/-	FIFTEEN THOUSAND

NOTE:

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Assistant Engineer (E)-P
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi

Executive Engineer (E)
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi

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


 27.02.2026
 ((चन्द्र पाल))
 अधीक्षण अभियंता (सी.एण्डएम.)
 Chandar Pal, SE (C&M)

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

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


 21/2/26

D.P. Jindal
EE (Contract)

Proforma of Receipt of deposition of original EMD

1. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority / EE at the time of issue of NIT shall also fill and upload the following prescribed format of receipt of deposition of original EMD along with NIT:-

Receipt of deposition of original Bank guarantee as EMD (Receipt No..... Date.....) #
1. Name of work :Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)
2. NIT No. 37/2026-27/DED-102/DELHI/2 3. Estimated Cost Rs. 1873946/- 4. Amount of Earnest Money Deposit Rs. 37479/- 5. Last date & Time of submission of bid 01.06.2026 upto 3:00 PM (*To be filled in by NIT approving authority/ EE 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, Name and Designation of EMD Receiving officer (EE/AE(P)/AE/AAO) Along with office stamp
#To be filled in by EMD receiving EE

3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
5. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (www.etender.cpwd.gov.in>closed Tender>all) that the particular contractor is not L-1 tenderer and work is awarded.
6. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

GENERAL TERMS AND CONDITIONS

1.0 SCOPE OF WORK

- 1.1 Hon'ble Judges bungalows in LBZ area, New Delhi come under I Division, CPWD and E&M services in these bungalows is provided by DED-102, CPWD. These bungalows were constructed during the period of 1920-1930, when LBZ area of New Delhi was being constructed. These bungalows have outlived their useful life and are upgraded/ renovated from time to time, as per the requirements of VVIP allottees.
- 1.2 The following E&M works are proposed to be carried during maintenance/repair work:
- a) Provision of wiring for light points, fan points and exhaust fan, etc. with FRLS PVC insulated copper conductor cable in surface /recessed steel conduit.
 - b) Provision of energy efficient LED fittings.
 - c) Provision of security lights, flood lights, garden lights, gate lights etc
 - d) Provision of Decorative Pole, Spike Light etc.

2.0 Introduction

These conditions are intended to amplify the General Conditions of Contract, and shall be read in conjunction with the same. For any discrepancy between the General Conditions and these Special Conditions, the more stringent shall apply.

3.0 Location

The work is to be carried out at Hon'ble Judges bungalows in LBZ area, New Delhi.

4.0 Related Documents

These additional specifications are to be read in conjunction with the specification given in the tender. In case any item/ items or part thereof are not covered under these specifications, the same shall be carried out as per relevant part of the CPWD General Specification for Electrical Works Part-I Internal -2023, Part-II External-2023, amended upto dates, relevant electricity act BIS/IEC and as per direction of Engineer-in-Charge. These additional specifications are to be read in conjunction with above and in case of variations; specifications given in this additional condition shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work. In case of discrepancy among the specifications/conditions as mentioned above the precedence given in general condition of contract shall be followed. The E&M agency shall possess a Valid Electrical License.

5.0 Site Information

The site is available for work. The tenderer should, in his own interest, visit the site and familiarize himself with the site conditions before tendering.

6.0 Safety Codes and Labour Regulations

In respect of all labour employed directly or indirectly on the work for the performance of contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provision, B.I.S. recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty for Rs. 2000/- for each violation. In addition the Engineer-in-charge, shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost from the contractor. The contractor shall provide necessary barriers, signals and other safety measures while executing the installation or wherever necessary so as to avoid accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

7.0 Works to be done by the contractor

Unless 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- whether specifically indicated in the schedule of work or not: -

- i) Complete wiring.
- ii) Making good all damages caused to the structure during installation and restoring the same to their original finish.
- iii) Minor building work necessary for installation of equipments, making opening in the wall/floors/slabs/tables or modifications in the existing openings wherever provided and restoring

the same to their original condition/ finish and necessary grouting etc. as required. Opening in the slab/retaining walls/brick wall etc. shall be made by means of core cutting machines only.

- iv) Sealing of all floor slab/wall openings provided by the Department or made by the contractor for laying cables from fire safety points of view.
- v) Suspenders, brackets and floor/wall supports for suspending/supporting cable tray, cables etc.
- vi) Removal & disposal of the all the malba/ debris occurs during the execution of work from the site.

8.0 Rates

The rate quoted by bidder, shall be firm and inclusive of all taxes (including GST etc.), duties and levies and all charges for packing, forwarding insurance, freight and delivery, installation, testing, commissioning etc. at site including temporary constructional storage, risks, overhead charges, general liabilities/obligation etc.

9.0 Terms of payment

Payment shall be made on the basis of running account bill as per progress of execution of work. Stage of payment:-

- | | |
|--|-----|
| i) On pro-rata supply of item received at site in good condition | 75% |
| ii) On completion of pro-rata installation | 15% |
| iii) On commissioning and completion of work | 10% |

10.0 Power Supply

- a) Arrangement of temporary water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall abide by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules/byelaws in this regard. Nothing extra shall be payable on this account. The contractor is strictly prohibited to use ground water by digging bore well from the site premises. He may bring water from outside through tankers from authorized sources.
- b) The Contractor shall be responsible for maintenance and watch and ward of the complete installation and water / electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Security deposit for the work shall be released only after No Dues Certificates are obtained from the local Authorities from whom temporary electric/ water / telephone connection have been obtained by the Contractor. Nothing extra shall be payable on this account.
- c) The Department shall in no way be responsible for either any delay in getting electric and/or water connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the Contractor. Also contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

1.0 Cleanliness of site

- i) The Contractor shall not stack building material/malba/muck on the land or road of the local development authority or on the land owned by the others, as the case may be. So the muck, rubbish etc. shall be removed periodically as directed by the Engineer-in-Charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material/malba as stated above, the Contractor shall be liable to pay the stacking charges/penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer –in-Charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.
- ii) The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.

The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent area. The Contractor shall take all care to prevent any water-logging at site. The waste water, slush etc. shall not be allowed to be collected at site. It may be directly pumped into the creek with prior approval of the concerned authorities. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after

paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

12.0 Preferred Makes

The preferred makes of the various equipments/ components/ accessories have been indicated in "Preferred Makes" annexed with this document. The bidders shall work out the cost of the offers on this basis. Alternate make/ model are not acceptable.

13.0 Machinery for Erection

All tools and tackles required for unloading/ handling of equipments and materials at site, their assembly, erection, testing and commissioning shall be the responsibility of the contractor.

14.0 Completeness of the Tender

i) Completeness of the tender:-

All sundry equipments, fittings, assemblies, accessories, hardware items, foundation bolts, supports, termination lugs for electrical connections connecting wires/ cables, cable glands, junction boxes and all other items which are useful and necessary for proper assembly and efficient working of the various equipments and components of the work shall be deemed to have been included in the tender, irrespective of the fact whether such items are specifically mentioned in the tender or not.

ii) Submission of program:-

The successful tenderer, after receipt of the letter of award, shall submit his program for submission of drawings, supply of equipment, installation, testing, commissioning and handing over of the installation to the Engineer-in-charge..

iii) Commencement of Work

The contractor shall submit the complete scheme and drawings etc. of the complete system and shall commence work as soon as the drawings submitted by him are approved either in full or in part as the case may be.

15.0 Extent of Work

The work shall comprises of entire labour including supervision and all material necessary to meet a complete installation and such tests and adjustment and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipments covered by the specification but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in detail in the tender documents in connection with this contract. Further, it is clarified that nothing extra will be paid on account of following works which are required for completion of work.

16.0 Compliance with Regulations and Indian Standards:

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

- a) Factories Act.
- b) Indian Electricity Rules.
- c) B.I.S. & other standards as applicable.
- d) Workmen's compensation Act.
- e) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.

(ii) Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

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

17.0 Co-Ordination with other Agencies

The contractor during the execution of the works shall co-ordinate with other agencies associated work with the project and shall work in harmony with them without causing any hindrance or obstruction on the progress of work in any way.

18.0 Mobilization Advance:

No mobilization advance shall be paid for this work.

19.0 Insurance and Storage :

All consignments are to be duly insured upto the destination from warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

20.0 Verification of Correctness of Equipment at Destination:

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

21.0 Painting:

This shall include cost of painting of the entire installation. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting. All iron works shall be painted at the work before dispatch to the site with two coats of anti corrosive primer paint. One coat of final finishing of approved color may be done at the factory before dispatch if considered necessary by the tenderer on such components, which will not need removal of such parts at site during assembly/erection work. Marking of identification of each equipment as per direction of engineer-in-charge shall be got done.

22.0 Quality of Materials and Workmanship

- i) The components of the installation shall be such design so as to satisfactorily function under all conditions of operation.
- ii) The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.
- iii) All equipments and material to be used in work shall be manufactured in factories of good repute having excellent track record of quality manufacturing, performance and proper after sales service.
- iv) All equipments and materials to be used in the work shall be brand new having its date of manufacturing not more than 6 month old from the date of delivery at site with manufacturer's certificates, warrantee cards, technical catalogues, instructions, manuals and wiring diagrams etc.
- v) In order to ensure genuineness of equipments/materials, copy of invoice of each equipments/materials, custom clearance paper in case of imported materials duly authenticated by bidder shall be invariably produce to engineer-in-charge.

23.0 Care of the Building

Care shall be taken by the contractor during execution of the work to avoid damage to the building. Care shall also be taken by the contractor to avoid the damage to any of these existing service/service lines, any part of the building etc. If any damage is caused to any of the existing services/service lines, or any part of the building the same shall be repaired/rectified and made functional or restored so its original finish by the contractor immediately at his own expenses failing which the same shall be repaired/ rectified and made functional by department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & binding. He shall also remove all unwanted and waste materials arising out of the installation from the site of work from time to time.

24.0 Inspection and Testing

(a) Final Inspection and Testing

Upon completion of work the performance test shall demonstrate the following among other things:

- i) Equipment installed complies with specification in all respects and is of the correct rating for the duty and site conditions.
- ii) All items operate efficiently and quietly to meet the specified requirements as per the warranty /guaranty.
- iii) All circuits are correctly protected /modify as per the site protective devices are properly coordinated.
- iv) All non current carrying metal parts are properly and safely grounded in accordance with the specifications and appropriate codes of practice.
- v) The contractor shall provide all necessary instruments and labour for testing. He shall make adequate records of test procedures and readings and shall repeat any tests requested by the Engineer in charge. Test certificate duly signed by authorized person shall be submitted for scrutiny.
- vi) If it is proved that the installation or part thereof is not satisfactorily carried out then the contractor shall be liable for the rectification and retesting of the same as called for by the Engineer in charge. All tests shall be carried out in the presence of representative of Engineer in charge.
- vii) The above general requirements as to testing shall be read in conjunction with any particular requirements specified elsewhere. All tests shall be carried out by a test house approved by the Engineer in charge.

- viii) The system shall be tested in the presence of Engineer in charge's representative at Supplier's works in accordance with latest prevailing standards and codes. The successful passing of any such tests will not however prejudice the right of Purchaser to reject the system and its accessories, if they do not comply with specifications when erected or perform complete satisfactory operation as intended.
- ix) Final Inspection and testing will be done by the Engineer-in-Charge or his representative as per details indicated in relevant section of Technical Specifications.
- (b) Safety Measures
All equipments shall incorporate suitable safety provision to ensure safety of the operating personnel at all times. The initial and final inspection reports shall bring out explicitly the safety provisions incorporated in each equipment.

25.0 Guarantee

- i) The contactor shall guarantee the complete system to maintain the specified conditions under all conditions of ambient temperature.
- ii) All equipments shall be guaranteed for a period of **12 months (5 years in case of LED light fixtures)** from the date of acceptance and taking over of the installation by the department against unsatisfactory performance and/or breakdown due to defective design, material, manufacture, workmanship or installation. The equipment or component or any part thereof so found defective during the guarantee period shall be 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 contactor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of Engineer-in-Charge in this regard shall be final.

25.1 The Bidder shall give the Guarantee for the following, during defect liability period of 1 year, among other things:

- a). **Quality, strength and performance of the materials used as per manufacturer's standards.**
- b). **Safe mechanical and electrical stress on all parts under all specified conditions of operation.**
- c). **Any complaint is to be attended as and when required, on call basis, during defect liability period of 1 year and nothing extra shall be paid on this account.**
- d). **Geysers shall be guaranteed for a period of 2 years & tank shall be guaranteed for a period of 5 years. In case of any defects during this period shall be got rectified without any extra cost.**

25.2 LED Fitting Guarantee.

- a). **During the defect liability period of 5 years for LED lights, any defect in the LED luminaries including drivers and all associated accessories are to be rectified within 48 hrs, at no additional cost. Failing which a penalty at the rate of Rs.500/- per complaint per day shall be recovered from the amount withheld.**
- b) **The agency should submit LM79 and LM80 reports issued from NABL Lab along with 5 years guarantee / warrantee from Luminaries Manufacturer of LED fittings to be provided.**
- c) **The amount of 5% of agreement item of LED luminaries / bulb shall be deducted from every running as well as final bills of contractor and retained as Performance Guarantee of LED luminaires for five year after completion of work. This will be refunded @ 1% after every year after successfully completion of guarantee period (5 year).**

26.0 Tender Drawings

The drawings appended with bid documents if any are intended to show space allotted for various equipments. The equipments offered shall be suitable for installation in the spaces shown in these drawings.

- (a) Drawings and Technical Particulars of Materials/ Equipments for approval on award of the work
- (b) The contractor shall prepare and submit following drawings, documents in four sets after the award of work for approval before commencement of installation. The approval of drawings and documents however does not absolve the contractor of his responsibility to supply the equipments/ materials as per agreement. In case of any contradiction between the approved drawings and agreement the decision of the Engineer-in-Charge shall be final and binding on the contractor. All shop drawing shall be prepared on computer through Autocad system based on Architectural drawings and site measurement within two weeks of award of work.
 - The technical particulars of each items meeting the agreement requirement.
 - Single line diagram, control schematic showing make type and description of all components and accessories.
 - Control wiring details
 - Any other drawings relevant to the work.

These shop drawings and documents shall contain all information required to complete the Project as per specifications and as required by the Engineer in charge. These Drawings shall contain details of construction, size, arrangement, operating clearances, performance characteristics and capacity of all items of equipment, also the details of all related items of work by other contractors. Each shop drawing shall contain tabulation of all measurable items of equipment/materials/works and progressive cumulative totals from other related drawings to arrive at a variation-in-quantity statement at the completion of all shop drawings. Minimum 4 sets of drawings shall be submitted after final approval along with soft copy.

Where the contractor proposes to use an item of equipment, other than that specified or detailed on the drawings, which requires any redesign of the structure, partitions, foundation, wiring or any other part of the mechanical, electrical or architectural layouts; all such re-design, and all new drawings and detailing required therefore, shall be prepared by the contractor at his own expense and gotten approved by the Engineer in charge. Any delay on such account shall be at the cost of and consequence of the Contractor.

Where the work of the contractor has to be installed in close proximity to, or shall interfere with work of other trades, he shall assist in working out space conditions to make a satisfactory adjustment. If so directed by the Engineer in charge, the contractor shall prepare composite working drawings and sections at a suitable scale, not less than 1:50, clearly showing how his work is to be installed in relation to the work of other trades. If the Contractor installs his work before coordinating with other trades, or so as to cause any interference with work of other trades, he shall make all the necessary changes without extra cost to the Engineer in charge.

After the approval of all the relevant shop drawings, the contractor shall submit four copies of a comprehensive variation statement in quantity, and itemized price list of recommended (by manufacturers) imported and local spare parts and tools, covering all equipment and materials in this contract. The Engineer in charge shall make recommendation for acceptance of anticipated variation in contract amounts and also advise to initiate action for procurement of spare parts and tools at the completion of project.

(c) Completion drawings

Contractor shall periodically submit completion drawings as and when work in all respects is completed in a particular area. These drawings shall be submitted in the form of four sets of CD's and four portfolios (300 x 450 mm) each containing complete set of drawings on approved scale indicating the work as - installed. These drawings shall clearly indicate following:

- (i) Location and details of each item
- (ii) Complete wiring diagram, as installed and scheduled showing all connections in the complete electrical system.

27.0 Documents to be Furnished on completion of Installation

Upon completion and commissioning of entire system the contractor shall submit a draft copy of comprehensive operating instructions, maintenance schedule and log sheets for all systems and equipment included in this contract. This shall be supplementary to manufacturer's operating and maintenance manuals. Upon approval of the draft, the contractor shall submit four (4) complete bound sets of typewritten operating instructions and maintenance manuals; one each for retention by Engineer in charge's site representative or two set for Operating Personnel. These manuals shall also include basis of design, detailed technical data for each piece of equipment as installed, spare parts manual and recommended spares for 07 years period of maintenance of each equipment. These manuals shall include:

- i. completion drawings showing all equipments installed
- ii. Description of the work carried out/installed.
- iii. Operating instructions.
- iv. Maintenance instructions including procedures for preventive maintenance.
- v. Three sets Manufacturers technical catalogues of all equipments and accessories.
- vi. Spare parts list.
- vii. Trouble shooting charts.
- viii. Type and routine test certificates of major items.
- ix. Operation and maintenance manual of all major equipments, detailing all adjustments, operation and maintenance procedure.

28.0 After Sales Services

The contractor shall ensure adequate and prompt after sales service free of cost during guarantee period, and against payment after guarantee period is over, in the form of maintenance, spares and personal as and when required during normal life span of the equipments and shall minimize the breakdown period. In case of equipment supplied by other manufacturers, the firm shall submit the guarantee from manufacturer for the same before the entire installation is taken over.

31.0 Liaisoning and Co-operation with other agencies:

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the operation and maintenance of the building so as to make the execution of this works contract smooth. If any unreasonable hindrance is caused to other agencies / damage is caused to the existing installation resulting in loss of work or disruption in services during the course of work, such expenditure incurred upon restoration and loss of work shall be recovered from the successful tenderer. Water proofing of pits shall not be damaged under any circumstances.

32.0 Verification of correctness of Equipment at Destination :

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

33.0 Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

- a. Schedule of quantities
- b. Additional and Commercial Conditions
- c. Technical specifications specified in the tender
- d. General Conditions of Contract for CPWD Works
- e. Drawings
- f. CPWD General Specifications
- g. Relevant IS or any other International code in case IS code is not available

**Assistant Engineer (E)-P
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi**

**Executive Engineer (E)
Delhi Electrical Division-102
CPWD, IP Bhawan,
New Delhi**

TERMS & CONDITIONS FOR EI WORK

1. The work shall be carried out strictly in accordance with CPWD specifications for Electrical works 2023 (Internal) and 2023 part-II (External) as amended upto date in accordance with Indian Electricity Rules, 1956 India electrical Act, 2003 as amended upto date and as per instructions of the engineer-in-charge including as below and nothing will be paid extra.
2. **The E&M agency shall posses a Valid Electrical License.**
3. The electrical work shall be carried out as per actual requirement and quantity is given in the schedule of work may vary of either side and it is side possible that some of the item given in the Schedule of work may not REQUIRED TO BE executed. The decision of Engineer-in-charge of the work, in this regard, shall be final and binding on the Tenderers. However tenderers are required to quote their rates for all the items given in the schedule of works attached.
4. All materials to be used on this work should brought in by the contractor to facilitate testing before use and shall be got approved from the Engineer-in-charge before installation at site.
5. The work shall be carried out according to approved drawing/details which shall be subsequently issued to the successful tenderer for execution of work and as per instructions of the Engineer-in-charge who will have the right to change the layout as per requirements at site and the contractor shall not have any right to change in layout.
6. All damages done to the building during 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. Any expenditure incurred by in this condition shall be recovered from the contractor and decision of the Engineer-in-charge about recovery shall be final.
7. All the debris of the electrical works should be removed and the contractor should be clear the site immediately clear off any rejected material from the site.
8. 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 co-ordinate in accordance with the building work and no claim, for idle labor will stipulated in the tender, electrical work shall to be completed along with completion of civil work.
9. Issue of material to the contractor wherever stipulated, shall be in accordance with to the requirement at site from time to time depending upon the progress of work.
10. Cement for bonafide work is to be arranged & used by the contractor himself and nothing extra will be paid on this account.
11. The contractor or his representative is to sign the site order book as & when required by the Engineer-in-charge and comply with the remarks therein.
12. The Contractor shall make his own arrangement at his own cost of electrical general tools and plants required for the work.
13. The makes, size of conduit and wires, shall be got approved from the Engineer-in-charge before taking up the execution.
14. Main Board and main distribution Board: the work shall be carried out according to the drawings/details as approved by the Engineer-in-charge, samples approved before the whole lot is brought to site and it shall include all inter connections etc. panel drawings shall be got approved before actual fabrication is taken up.
15. No central / Sales Tax / Contract Tax / Excise duty etc shall be separately paid by the deptt. The tendered rate should be inclusive of GST & all taxes duties. No deduction of contract tax at source shall be made. The contractor himself shall be responsible for the same.
16. The entire installation shall be at risk and responsibility of the contractor until these are tested and handed over to the department.
17. Notwithstanding the schedule of quantities, all items of interrelated work considered necessary to mark the installation complete and operative are deemed to be included shall be provided by the contractor at no extra cost.
18. The connection, inter connection, earthing and inter earthing shall be done by the contractor where required and nothing extra shall be paid on this account.
19. Some of the items of work, if already executed in that case the successful tender shall have to use these items for completing the work. For wiring, the existing conduit wherever available / required shall be used by the contractor. The recovery will be made for these items at accepted rate of other agencies.
20. Nothing extra shall be paid for inter connection with thimbles/wires/tapes/strips etc.
21. Watch and ward of the material shall be the responsibility of the contractor till they are handed over to the department for which nothing extra shall be paid.

22. The contractor shall bear all the expenses for the testing of the electrical material / switch gears etc. form the designated lab, as desired by Engineer-in-charge.
23. The contractor shall abide the specifications given in the tender where the specifications are not given CPWD specifications with as on date amendments shall be followed. Items where CPWD specifications are not covered, the decision of Engineer-in-charge shall be final and binding.
24. The contractor shall also assess the quantities of various items involved in the work and shall procure the material accordingly. If excess material is produced, it shall be the responsibility of the contractor and department will not pay for unused quantity.
25. In case any extra quantity gets procured in running bills i.e. more than to be, it shall be taken back and amount shall be adjusted.
26. The contractor/supplier shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected. The invoice/challan of the materials shall be invariably submitted. Custom clearance paper in respect of materials imported from outside country reqd. to be submitted.
27. Materials not being manufactured in India shall be CE marked & ENEC certified. In absence of any of above, materials shall be summarily rejected.
28. **If any pole reducer is required for fixing of pole fitting it shall be provided by the contractor without any extra cost.**

29. Credit the cost of assorted following dismantled material received from site including dismantling the same etc. completed required

S. No.	Items	Rate	Unit
a)	5/6 A Moduler Switch/Socket Assorted	0.50	Each
b)	15/16 A Moduler Switch/Socket Assorted	1.00	Each
c)	5-32A SP/DP MCB Assorted	2.00	Each
d)	100-250A TPMCCB Assorted	100.00	Each
e)	DB Assorted	100.00	Each
f)	1.5/2.5/4.0/6.0 Sqmm copper conductor FRLS/FR Wire assorted	200.00	Kg
g)	1200/1400mm Ceiling Fan Assorted	250.00	Each
h)	Fresh Air Fan/Wall Fall assorted	150.00	Each
i)	Metal body exhaust fan assorted	100.00	Each
j)	25/35/50L Geyser assorted	1000.00	Each
k)	GI box assorted	5.00	Each
l)	LED batten assorted	50.00	Each
m)	Picture light/Mirror Light assorted	50.00	Each
n)	Gate light/post top assorted	150.00	Each
o)	Garden bollard assorted	250.00	Each
p)	2/3.5/4 sqmm XLPE al. cable assorted	35.00	Kg
q)	GI pipe pole assorted	300.00	Each
r)	LED flood/street light assorted	30.00	Each
s)	20/25mm steel conduit assorted	35.00	Kg
t)	Panel box assorted	1000.00	Sq. Mtr.
u)	Chimney assorted	500.00	Each
v)	Single/double Wall bracket fitting assorted	100.00	Each
w)	0.5/1HP Monoblock pump set assorted	250.00	Each
x)	Chandiler assorted (Non-Brass)	300.00	Each
y)	Chandiler assorted (Brass)	1500.00	Each
z)	Decorative pole 3mtr height	300.00	Each

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List of Preferred Makes

S. No.	Items	Make
1.	PVC Insulated FRLS Copper Wire/ Telephone Cable/ TV Cable (ISI Mark)	Havells / Polycab / Finolex / KEI / Grandlay
2.	Modular Switch, Socket, Plates, GI BOX, RJ11 Socket, RJ 45 Socket And All Other Modular Accessories, Footlight, Step Type Fan Regulator, Shaver Socket Outlet Point, Card Switch, Courtesy Panel, USB Point, Blanking Plate	MK (Wraparound Plus) / Legrand (Mirus) / Schneider (Opale) / Anchor (Woods) / Crabtree (Athena) / ABB / Siemens/ Panasonic/ HPL/Great White
3.	Piano type Switch, socket and accessories	Anchor/SSK/Cona/Antex/Kinjal/ Sanico
4.	Steel Conduit And Accessories ISI Mark	AKG / BEC / NIC /RMCON/Technoflex
5.	PVC Conduit And Accessories	Precision / Modi / AKG / Finolex / MK / Polycab/ Panasonic/Technoflex
6.	XLPE Insulated, PVC Sheathed, Armoured / Unarmoured 1.1 KV Grade LT Cable/ Control Cable ISI Mark	Havells / Polycab / Finolex / KEI / RR Kabel / Grandlay/Panasonic/ HPL/Plaza
7.	Cable Gland	Jainson/ Braco/ Comet/ Gripwell
8.	Cable Lugs/ Thimble	Dowells/ Jainson/ Braco/ Comet
9.	DWC Pipes, HDPE Pipes I/C Accessories	Rex / Duraline /Dutron
10.	MCB DB, MCB's, Isolators, Industrial Socket,etc.i/c Accessories	Legrand / Hager / Seimens / Schneider/ ABB/ Polycab/ Panasonic/Havells/C&S/ HPL
11.	10-12 watt LED type Down Lighter	Philips/ Osram/ Havells/ Wipro/ HPL/Jaquir/Orient
12.	50 W LED flood light luminaire	Jaquir/Crompton/Havells/Orient/Regent
13.	50 W Street light fitting	Jaquir /Crompton/Havells/Wipro/Orient/Regent
14.	1400 mm ceiling fan	Crompton/Havells/Orient
15.	1200 mm ceiling fan	Havells Model: Elio plus R & R - 5 star or equivalent in Orient, Crompton/Atomberg
16.	Dual tone bell	Anchor/Cona/Havells
17.	LED tube Fitting 4' 18-20W polycarbonate housing	Jaquir, Glaze LED Batten (PC) / Havells, Model:Lumiline / LT Model No. Batten CR / Philips: BN021C LED20S PSU CW GR S2
18.	Decorative LED Post Top fitting	Twinkle Lght 539 (PT-40) or equivalent in Lustre/ LuxMax/ Hi-Lite.
19.	SS Electric Chimney	Kaff/Faber /Glen/Electrolux (as per sample approved)
20.	Fresh Air Fan	Bajaj, Model: Maxima Dxl 250mm/Havells, Model: Ventil Air DX White/Crompton, Model: Brisk Air
21.	Exhaust Fan	Orient, Model: Industrial Heavy duty /Havells, Model: Turbo Force SP/Crompton, Model: EXHD300-6-1
22.	Wall Fan	Orient/Havells/Crompton
23.	Storage Type Electric Water Heater	Racold, Model: Eterno 2 / Venus, Model: Magma Vertical / Havells, Model: Monza EC / AO Smith
24.	7-10W LED Bulk Head luminaire	Philip / Wipro (Model- LED Bulkhead LW07) / Jaquir/ Havells
25.	Picture light 5/6 Watt LED	Philips / Jaquir / Tisva/ White teak model name Attitude (Chrome) stainless steel Vanity(as per sample approved)
26.	CAT6 UTP Cable, Patch Panel, 10'S, Patch Cord	Legrand/ Beldon/ Panduit/ Mollex/ Lapp Kable
27.	LT/APFC Panel(CPRI Approved)	Trico lite/ADLEC /Neptune/Advance Panel and Switchgear Pvt. Ltd. /Abak Electro fab Engineering Pvt. Ltd./BSPL Bhopal/Precision System Control/R.P. Controls/ Schneider Electric/Controls & Contracts
28.	MCCB'S / MPCB I/C Accessories	L&T (DN/DNX)/ Seimens (3VL)/ Schneider Electric (COMPACT NS)/ ABB/ Legrand/Polycab/Havells/Panasonic/C&S/ HPL
29.	Metal Pipes (M S / G I)	SAIL / Tata / Jindal (Hissar) / Prakash Surya / Zenith

30.	Pump & Accessories	Kiriloskar/Crompton/KSB/	
31.	Pressure pump	Crompton/ Kiriloskar/ Usha	
32.	LED strip	(Wipro make Cat no LG06-015-120-WW-50fopr LED strip+ LG40-078 for driver/Havells/Philips)	
33.	Digital Panel Meter/ Electronic Load Manager/ Multifunction Meter	Conzerv / Neptune / Secure / L&T / Trinity / Siemens/ HPL	
34.	Indicating Lamp (LED type)	Esbee / Schneider / Siemens / Teknic / L&T	
35.	Metal Pipes (M S / G I)	SAIL / Tata / Jindal (Hissar) / Prakash Surya / Zenith	
36.	Pump & Accessories	Kiriloskar/Crompton/KSB/	
37.	Selector Switch	Salzer / Schneider	
38.	CT	AE / Kappa / L&T / Matrix	
39.	Timer/Relay	GIC / Legrand	
40.	Plexo box	Legrand/ MK/Northwest/Crabtree	
41.	Dual tone Electronic Bell	Anchor /Cona/Havells	
42.	Garden Bollard	LuxMax	a) LuxMax-TBLED-2A,174(F) b) LuxMax-TBLED-191 c) LuxMax-TBLED-192
		Hi-Lite Luminaries	a) HL-130 b) HL-131 b) HL-139
		Lustre	a) LI-1 LPS -5052 b) LI-80004-9 c) LI-80023-10 d) LI-80003-6
		Twinkle Lite	a) 814 (BL-12) b) 801 (BL-9) c) 802 (BL-9)
43.	Decorative Pole	Twinkle Lite -HRBRor equivalent in Osram /Lux Max/Hi Lite/Lustre	
44.	Modern Type round shaped Chandelier	The White teak (Wealthy not rich) large gold crystal or similar in Astral Lighting/Eliante by Jainsons/ Harold	
45.	Hanging lights (Square shaped)	The White teak or Astral Lighting/ Eliante by Jainsons/Harold	
46.	Bracket wall light fitting (single tubular type)	The White teak or similar in Astral Lighting/Eliante by Jainsons/Harold	
47.	Hanging smokey grey glass lights (Cylindrical shaped)	The White teak or similar in Jainsons Emporio /Crizora/Harold/Astral Lighting	
48.	Single bracket wall light	The White teak or similar in Astral Lighting/Eliante by Jainsons	
49.	Wall bracket light fitting (round shaped crystal)	The White teak or similar in Jainsons Emporio /Crizora/ Astral Lighting	
50.	12W COB LED Spike Light	Wipro Garnet /Lustre LI-70010-12/ Orient Fluora/Philips	
51.	9W LED COB	Wipro(Timeless cob), Havells, Philips, Osram	
52.	Burial Lights LED	CITRA 6W LED Well Light or equivalent in Philips/Havells/Wipro	
53.	Track Light 20W	Wipro Cylindrical Sleek or equivalent in Philips/Wipro/Havells	
54.	Track rail	Jackal or any other equivalent	

NOTE:

1. Make of the materials if not specified above shall be got approved from Engineer-in charge before use on work. Decision of Engineer-in -charge shall be final in this respect.
2. **The Technical Data Sheet of the items shall be got approved from Engineer-in charge before use on work. Decision of Engineer-in -charge shall be final in this respect.**

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SCHEDULE OF WORK					
NAME OF WORK: Upgradation work of various bungalows occupied by Hon`ble Supreme Court/High Court Judges under SD-2/DED-102 New Delhi (SH:-Miscellaneous Electrical External development work including providing & fixing of Decorative lighting work in B-6 Zakir Hussain Marg)					
S.No	Description of items	Qty.	Rate	Unit	Amount
	DSR Items				
1	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.				
a)	63 mm dia (OD-63 mm & ID-51 mm nominal)	300	289.00	Mtr	86700.00
b)	90 mm dia (OD-90 mm & ID-76 mm nominal)	20	336.00	Mtr	6720.00
2	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.				
a)	3 x 10 sqmm	16	312.00	Each	4992.00
b)	4 x 25 sqmm	6	373.00	Each	2238.00
3	LED Street light fixture, powder coated pressure die cast aluminum body (System lumen efficacy $\geq 105 < 120$ lm/Watt) Supplying, installation, Testing & Commissioning of Street light LED fixture powder coated pressure die cast aluminum body with driver as per the requirement with Driver efficiency >85%, Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15 deg to 50 deg centigrade, 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 , IP66,IK-10, CRI >80, under voltage and over voltage protection, EMIEMC 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 /6000°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 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 $\geq 105 < 120$ 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).				
(a)	50 watt	15	1782.00	Each	26730.00
4	LED Flood Light, powder coated pressure die cast aluminum (System lumen efficacy 105 <120 lm/Watt) Supplying, installation, Testing & Commissioning of Flood Light, powder coated pressure die cast aluminum body with built in or separate driver as per the requirement with Driver efficiency >85%, Input voltage: Input voltage: 140-270 Volt AC, freq 50/60 hz, Operating temp range -15				

	deg to 50 deg centigrade, internal surge protection of 5 KV L,N,E as per IEC 61000-45, Driver efficiency >85%,THD < 10% as per IEC 61000-3-2 , P. F.≥0.95, IP66,IK-10, CRI >80 , under voltage and over voltage protection, EMIEMC as per CISPR -15 , lenses for beam angle 30 deg-120deg as per the application and the project requirement deg., suitable tilt able fitting, life time (LED,Driver & electrical circuitary) 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) <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 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-inCharge as per requirement. (Thermal management: heat sink of aluminum housing such that LED junction temperature shall not rise above 90°C).				
(a)	50 watt	40	1436.00	Each	57440.00
5	Supplying and Laying of one number armoured XLPE aluminium conductor power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.				
a)	3 x 6 sqmm	150	516.00	Mtr	77400.00
b)	4 x 25 sqmm	80	857.00	Mtr	68560.00
6	Supplying and Laying of one number armoured XLPE aluminium conductor power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.				
a)	3 x 6 sqmm	350	310.00	Mtr	108500.00
7	Supplying and Laying and fixing of one number armoured XLPE aluminium power cable of 1.1 KV grade of following size on wall surface as required.				
a)	3 x 6 sqmm	200	327.00	Mtr	65400.00
b)	4 x 25 sqmm	50	668.00	Mtr	33400.00
8	Supplying & fixing of highly decorative crystal made Chendilier featuring beautifully curved arms, this chandelier showcases a sleek chrome/ gold finish that reflects light adorned with exquisite Translucent Cylindrical glass attached with SS wire strings/chain with highly with decorative cut glass fitting with holder/Fitting with S&F of required lamps/Fittings including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	2	38027.00	Each	76054.00
9	Supplying & fixing of highly decorative Modern Type glass Hanging light attached with SS wire strings/chain shade enclosed with suitable frame elegant design bulb holder/Fitting with S&F of required lamps/Fittings including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	4	3441.00	Each	13764.00
10	Supplying & fixing of highly decorative wall bracket light fitting having lamp with Suitable Fitting with S&F of required lamps/Fittings including inbuilt LED including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as	24	3196.00	Each	76704.00

	recommended by OEM complete as per required.				
11	Supplying & fixing of highly decorative picture light having decorative straight/curved arm and base fitting with LED light/bulbs including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	6	4571.00	Each	27426.00
12	Supplying & fixing of highly decorative glass type beds bracket light fitting having cup shaped fitting. Its design seamlessly combines sleek glass and sturdy metal to create a seamless blend of beauty and durability with S&F of required lamps/Fittings including 2 nos incandescent Bulb LED including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	8	4667.00	Each	37336.00
13	Supplying and fixing of 40 watt Urban Ornamental/ decorative Hexagonal shaped frosted diffuser LED Post top Light. 40 watt High Lumen LEDs are directly mounted on aluminum heat sinks directly on post connection testing etc as required	2	12934.00	Each	25868.00
14	Supplying installation testing commissioning of Urban Ornamental/decorative GI Pole/Column having 3 Mtr. height, thickness of pole profile 4mm PU painted, 12mm base plate with 2 Arm decorative bracket with 2 No. 40 watt Urban Ornamental/ decorative Hexagonal shaped frosted diffuser LED Post top i/c Precast-CC foundation with suitable bolt, in existing surface i/c digging of all type of soil upto required depth as per OEM complete terminal link for connector with all accessories as reqd.	12	35853.00	Each	430236.00
15	Supply, Installation, Testing and Commissioning of 12 Watt Garden Bollard with Hexagonal decorative Fixture luminaire Light suitable for 12 watt LED bulb body duly designed Aluminium body & Prismatic diffuser for glare free lightning and height 800 to 1000 mm i/c precast cement concrete foundation block on exiting surface i/c digging of all type of soil upto required depth The block shall have suitable foundation bolts for Installation of Bollard Fitting complete etc. as required.	24	12256.00	Each	294144.00
16	Supplying & fixing of 12W COB LED Spike Light of approx 85mm width having Aluminium housing, toughened glass including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	30	1331.00	Each	39930.00
17	Supplying, installation, testing & commissioning of LED surface mounted 10 watt IP66 (waterproof) glarefree, pressure die cast aluminium housing with unbreakable polycarbonate diffuser bulk head fitting. Total system Lumen of 10W LED should be 550 or above in cool day light (5700K to 6500K), power factor>0.95, CRI>75. complete with all accessories as required i/c connections with 1.5 sq. mm PVC copper wire etc. as required	30	561.00	Each	16830.00
18	SITC of SMC pole junction box of size 250 mm X 200 mm X 105 mm with hinged cover on surface/recess/pole complete with aluminium connector strip-2 Nos, 6-32 Amp c series SPMCB -1 No. having IP 66 protection etc. as complete as required on site.	12	1195.00	Each	14340.00
19	Providing and fixing of stainless steel heat auto clean chimney kitchen chimney for ventilation on surface and drilling the hole in wall and fixing with 4 Nos reg bolts and making good the same connection testing and along with the following technical specifications as reqd. a) Suction capacity - 1500 m3/hr b) Width - 60cm c) Auto clean d) motor with top	1	37896.00	Each	37896.00

	e) 2 LED lamps f) Body - Stainless Steel g) Flexible pipe of size - 100mm dia - 3 Mtr h) Touch controls with motion sensor, wave and start i) Filterless				
20	Supply, Installation, Testing and Commissioning of designer 1200 mm BLDC ceiling fan 5 star rating with designed 3 nos. metal (Aluminum alloy) blades, Air delivery minimum 245 CMM, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body earthing etc. complete as req.	20	5335.00	Each	106700.00
21	Supply, Installation, Testing and Commissioning of 7 watt LED Step Light including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	30	1254.00	Each	37620.00
22	Supply, Installation, Testing and Commissioning of 12 watt Burial Light in ground LED Light with aluminium housing for illuminating pathways including wiring with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable i/c loop earthing etc. as recommended by OEM complete as per required.	30	1763.00	Each	52890.00
23	Supply, Installation testing and coming of 20W Track light head with 360 degree rotation, high voltage protection, etc as required.	24	1838.00	Each	44112.00
24	SITC of (3 feet) track for the track light head etc as required.	8	502.00	Each	4016.00
	Grand Total				1873946.00

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