भारत सरकार
केन्द्रीय लोक निर्माण विभाग
GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
O/o the Assistant Engineer[E],KCESD-IV,KCED-I,CPWD,Kolkata-20
Region: - Kolkata : Zone: - Chief Engineer, Kolkata :Division: - KCED-I : Sub-Division:-KCESD-IV

Percentage Rate Tender / प्रतिशत दर निविदा

NOTICE INVITING e-TENDERS

Name of Work ► R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)

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The bid forms & other details can be obtained from the website *https://etender.cpwd.gov.in* or *www.cpwd.gov.in*

This NIT contains 1 to 32 pages excluding cover.

Assistant Engineer[E]
KCESD-IV,KCED-I,CPWD,Kolkata-20

INFORMATION AND INSTRUCTIONS FOR-BIDDERS FOR E-TENDERING FORMING
(Applicable for inviting open bids)

The Assistant Engineer[E], KCESD-IV, KCED-I, CPWD, Nizam Palace, Kolkata-700020, (Ph. N. : 033-22908948, Mail ID: a e e l k c e s d 8 c p w d @ g m a i l . c o m), invites on behalf of the President of India online percentage rate e-tenders from Eligible CPWD registered (B&R) contractors in appropriate class of composite category for the following work:

NIT No	Name of work	Estimated Cost put to bid	Earnest Money	Stipulated Period of Completion of Work	Last date of online submission of bid, copy of EMD declaration and other documents as specified in the bid document.	Date & time of opening of price bid
95/AE[E]/KCESD-IV/KCED-I/CPWD/25-26 /Recall	**R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)**	₹ 5,75,772.00	₹ 11,515.00	1 (One) Month	01-12-2026 at 15:00 Hrs	01-12-2026 at 15:30 Hrs

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.

3.1 Estimated cost of various Electrical and & Mechanical Services and similar works definitions are as under:-

3.1.1 (Approx. ECPT- ₹ 5,75,772.00 Lakhs) Similar works shall mean ▼

SITC/ Maintenance of Fire Fighting Works ₹ 5,75,772.00 *Lakhs*

4 **The composite contractor shall have to associate other agency /agencies for the work of above mentioned E&M subheads that fulfills the following requirements, shall be eligible to apply. Joint ventures are not accepted.**

(a) Should have satisfactorily completed the works as mentioned below during the last seven years ending last day of submission of tender:-

	Type of specialized work ►	Fig in Lakhs of ₹ F/F Work	**	**
	(i) Three similar works each of value not less than 40% of estimated cost►	**2.30**		
Or,	**(ii) Two similar works each of value not less than 60% of estimated cost►**	**3.45**		
Or,	**(iii) One similar work of value not less than 80% of estimated cost►**	**4.60**		

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

Definition of Similar work is mentioned in Para 3.1

(b) Should have had Average Annual Financial Turnover of 50% on construction works during the last three years ending 31st March 2026 (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded).

[c] Should not have incurred any loss in more than two years during the last five years ending 31st March 2026.

(d) Should have a Banker's Certificate from a commercial Bank for 40% or Net Worth certificate from CA With Unique Document Identification Number (UDIN) of minimum 10% amount of ECPT (Scanned copy of original to be uploaded).

5. However, the Composite category contractor shall also be eligible to carry out himself any or all of these works without associating any specialized agency provided:

(a) He fulfills the prescribed eligibility criteria respectively for these work(s). Or
(b) He directly procures the equipment of approved make from manufacturer and get it installed from authorised agency/service provider of the manufacturer or specialized agency as per criteria mentioned in NIT.

6. The bid document consisting on plans, specification, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.

7. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Demand draft or Pay order or Bankers Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any schedule bank towards EMD in favour of Executive Engineer (E), KCED-I, CPWD, Kolkata, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/AE(P)/AAO), CPWD and other documents are specified.

The bidder shall read the document carefully before participate in the bidding process. The EMD/PG shall be given to the department in the name of Executive Engineer(E), KCED-I, CPWD, Kolkata only, otherwise if any Discrepancies as observed at the time of opening of the bid, the offer of the bidders shall be summarily rejected without giving any reason. No post tendering complaint shall be entertained by this office

8. Those contractor 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.

9. The intending bidder must have valid class-III digital signature to submit the bid.

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

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

12 Contractor must ensure to quote rate in the column (5) meant for quoting rate in figures appears in pink
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 tendered quoted 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 tendered.

13. SC/ST contractors enlisted under class V category are exempted from processing fee.

14. All the receipts to be received as Performance Guarantee Money, Late Fee, Deposits of works etc.
should made only through E-Payment/NEFT/ RTGS using Non-Tax Receipt Portal (NTRP) of the Government of India for which they have to register themselves in Bharatkosh.gov.in before making payments.

The following references should be taken care of while making payments with regards to this Division :-

a.	Purpose	Deposit Works, Performance Guarantee, Late Fee
b.	Payment Type	(i) Part-2, for Earnest Money
		(ii) Part-3, for Deposit of Works
		(iii) Part-5, for Performance
c.	Ministry	(030) Urban Development & Urban Poverty Alleviation
d.	Pay & Accounts Office (PAO)	043460 – PAO (East Zone), CPWD, Kolkata
e.	Drawing & Disbursing Officer (DDO)	143491- Executive Engineer (E), Kolkata Central Electrical Division - I, CPWD, Kolkata

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

i. Insurance of Surety Bond, Demand Draft/Account Payee Banker's Cheque/FDR/Bank Guarantee of any commercial Bank against EMD in favour of **"Executive Engineer (El), KCED-I, CPWD, Kolkata."**

ii. Copy of receipt for deposition of original EMD issued from any Division office of CPWD (including NIT issuing EE/NIT issuing AE)

iii. *Enlistment Order of the Contactor. (for CPWD Enlisted Contractor)*

iv. ***Certificate of Work Experience (for specialized works only) (Mandatory as per Para 4&5 /Page-2& 3)***

v. ***Certificate of ERP Training from any of the CPWD Regional Training Institutes (RTIs) issued through LMS (Learning Management System) in ERP.***

vi. ***GST Registration Certificate if already obtained by the bidder .***

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents.

Undertaking for GST

"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 is this regard"

vii. ***Valid Electrical License or under taking as per Enlistment rule as below :-***

Undertaking for Electrical License

This is to undertake that I/we will either obtain valid Electrical License at the time of execution of electrical work or associate contractors/agencies having valid electrical license of eligible class.

■ Contact details of the Contractor (Required)

1. E-mail ID No. 2.Contact Phone/Mobile No. 3. Mailing address

- *The above list of documents to be scanned and uploaded within the period of Bid submission. Incase of any shortcomings of the above documents your bid shall be summarily rejected without assigning any reason.*

- *The bidder shall submit the documents for associating agency in case of composite contractor of CPWD enlisted as per U/T shall be alongwith the work credential as per PQ Criterion. Simply U/T letter without work credential shall not be accepted / entertained and bid shall be summarily rejected.*

- *No post tendering activities i/c complaint shall be entertained.*

Assistant Engineer[E]
KCESD-IV,KCED-I,CPWD,Kolkata-20

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. _____/ Date: _____)

Name of Work ► R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)

NIT No. ► 95/AE[E]/KCESD-IV/KCED-I/CPWD/2026-27/ Recall

Estimate Cost	**₹ 5,75,772.00**
Amount of Earnest Money Deposit	**₹ 11,515..00**
Last date of submission of bid	**01-12-2026 at 15:00 Hrs**

(EMD Should be drawn in favour of Executive Engineer (E), KCED-I, CPWD, Kolkata)

Name of the Contractor	-----------
Form of EMD	-----------
Amount of Earnest Money Deposit	_____
Date of submission of EMD	_____

TO BE FILLED BY RECEIVING OFFICE

Signature:-	-----------
Name:-	-----------
Designation :-	-----------
Email :-	-----------

EMD Receiving officer
(EE/AE (P)/AAO) along with office stamp)

CPWD-6	

CPWD-6 for E-Tendering

On line percentage rate bids are invited on behalf of President of India from Eligible CPWD registered (B&R) contractors in appropriate class of composite category for the work :

Name of Work ► R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)

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

1.1 **The work is Estimated Cost Rs.5,75,772.00. This estimate, however, is given merely as a rough guide.**

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimate cost put to bid, should clearly indicate the estimate cost of each component separately, the eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

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

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

I/We undertake and confirm that eligible similar works (s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred to bidding in CPWD in future forever. Also, if such as violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free of forfeit the entire amount of Earnest Money Deposit/ Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)

1.2.1 Conditions for Non-CPWD registered contractors only, if bids are also open to non-CPWD Contractors. For works estimated cost upto tendering limit of class -I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category). (i) Three similar works each of value not less than 40% of Estimated Cost or two similar works each of value not less than 60% of Estimated Cost or one similar work of value not less than 80% of Estimated Cost (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

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

1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors, For works estimated to cost above the tendering limit of class -I (Super) Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture Category). (i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs.....or one similar work of value not less than Rs ..... (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

1.2.3 When bids are invited from non CPWD contractors and CPWD class II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non CPWD contractors and CPWD class II contractors to upload the works experience certificate (s) and the affidavit as per the provisions of clause 1.2.2.
But for such bids, Class-I contractors of CPWD are eligible to submit the bids without submission of work experience certificate and affidavit. Therefore CPWD class-I contractors shall upload two separate letters for experience certificate and affidavit that these documents are not required to be submitted by them. Uploading of these two letters in mandatory otherwise system will not clear mandatory fields.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (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 1 (One) Month from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with date phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid document consisting of plants, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one more items (s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Demand Draft of Pay Order of Banker's Cheque or Deposit at Call Receipt or Fixe Deposit Receipt drawn in favour of Executive Engineer (E), KCED-I, CPWD, Kolkata shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

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

   Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

9A The 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 price bid submitted shall be opened at **01-12-2026 at 15:30 Hrs**

10. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded it:
(i) The bidder is found ineligible
(ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
(iv) If a tendered quotes nit rates against each item in item rate tender or does not quoted 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 tendered.

11. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Three Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form Banker's cheque of any scheduled bank/Demand Draft of any schedule bank/Pay order or any Schedule Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Schedule Bank or the State Bank of India 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 to 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 the work is as follows:
Name of Work ► ***R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)***

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. Submission of a bid by a 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 dome and of conditions and rates at which store, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

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

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for 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 and Junior Engineer (both inclusive). The 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 prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India asforesaid 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 (thirty) days from the date of opening of in case of single bid system.

If any bidders 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 bidders shall not be allowed to participate in the rebidding process of the work.

19. This notice inviting Bid shall from 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, specification and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no.-033-22908948, e- mail Id: kced1_cpwd@yahoo.com) or ERP helpline no. 18001803286 or e-mail ld cpwd.support@ techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Assistant Engineer[E]
KCESD-IV,KCED-I,CPWD,Kolkata-20

CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage Rate Tender Contract for Works

Tender for the work of :
Name of Work ► R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)

To be uploaded by 01-12-2026 at 15:00 Hrs https://etender.cpwd.gov.in or www.cpwd.gov.in

Price bid to be opened in presence of tenderers who may be present on 01-12-2026 at 15:30 Hrs in the o/o the Assistant Engineer [E], KCESD-IV,KCED-I,CPWD,Kolkata-20.

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 up to date amendments clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract of 2023 with up to date amendments and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for 30 (thirty) days from the due date of its opening and not to make any modification in its terms and conditions.
I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A sum of Rs. 11,515.00 is hereby forwarded in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank is scanned and uploaded. as earnest money.

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

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

CPWD-7	

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

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

Dated: ……..**…….

Witness: **

Address: **

Occupation: **

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 `…….. (Rupee.....).

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

(b)

(c)

Dated: ……..

Signature ……

Assistant Engineer[E]

KCESD-IV,KCED-I, CPWD, Kolkata 20

For & on behalf of President of India

** To be filled by Contractor

PROFORMA OF SCHEDULES

(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)

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

SCHEDULE 'A'
Schedule of quantities (As per PWD-3) — 32

SCHEDULE 'B'
Schedule of materials to be issued to the contractor. — NIL

SCHEDULE 'C'
Tools and plants to be hired to the contractor — NIL

SCHEDULE 'D'
Extra schedule for specific requirements/document for the work, if any. — Attached

SCHEDULE 'E'
Reference to General Conditions of contract **GCC 2023** with up to date amendments

Name of Work ► **R.M.O of electrical and mechanical services in Central Excise office building (GST Bhavan), Kasba, Kolkata. (SH : Servicing of main electric fire pump and replacement of Jockey pump and panel)**

Estimated cost of work	►	₹ 5,75,772.00
Earnest Money	►	₹ 11,515.00
Performance Guarantee	►	5 % of Tendered Amount
Security Deposit	►	2.5 % of Tendered Amount

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender — ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

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

2(v)	Engineer-in-Charge	***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***
2(viii)	Accepting Authority	***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***
2(x)	Percentage on cost of materials and Labour to cover all overheads and profits:	***15%***
2(xi)	Standard Schedule of Rates	***DSR 25 & MR***
2(xii)	Department	***Central P.W.D.***
9(ii)	Standard CPWD Contract Form **GCC 2023**	***CPWD Form 7/8 modified & Corrected up to date .***

Clause 1

(i)	Time allowed for submission of Performance Guarantee 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 the period provided in (i) above (1 to 10 days to be filled by NIT approving authority)	***3 Days***

PROFORMA OF SCHEDULES	

Clause 2

Authority for fixing compensation under clause 2 — ***CE - Kolkata /CPWD/Kolkata***

Clause 2A

Whether Clause 2A shall be applicable — ***YES***

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start — ***10th***

Mile stone(s) as per table given below:-

SL No.	Description of Milestone (Physical)	Time allowed in days(from date of start)	Amount to be with-held in case of non achievement of mile stone
Not Applicable			

Authority to decide ►

Time allowed for execution of work ► — ***1 (One) Month***

(i) Extension of time ► — ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

(ii) Rescheduling of mile stones ► — ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

(iii) Shifting of date of start in case of delay in handing over of site ► — ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

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 or mutually agreed upon***

Clause 7A

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. Whether Clause 7A shall be applicable: ***NO***

Clause 7B	Applicable as per relevant condition in the	**GCC 2023**
Clause 10B(ii)	Whether Clause 10 B (ii) shall be applicable	***NO***
Clause 10C	Component of labour expressed as percent of value of work	***25%***
Clause 10CA	***NOT APPLICABLE***	
Clause 10CC	***NOT APPLICABLE***	

Clause 11

Specifications to be followed for execution of work — **Electrical Work**

1. CPWD General Specifications for Electrical Works Part-I Internal & Part-II External - 2023.
2. CPWD General Specifications for Electrical Works Part-III-Lift & Escalators - 2003.
3. CPWD General Specifications for Electrical Works Part-IV Sub Station – 2013.
4. CPWD General Specifications for Electrical Works Part V Wet Riser & Sprinkler Systems – 2020.
5. CPWD General Specifications for Electrical Works Part VI Fire Detection and Alarm System – 2018.
6. CPWD General Specifications for Electrical Works Part VII D.G. Sets - 2013.
7. CPWD General Specifications for Electrical Works Part VIII Gas Based Fire Extinguishing System - 2013.
8. CPWD General Specifications for Heating, Ventilation & Air-Conditioning (HVAC) – 2024 with up to date corrections slip as on opening of tender.

PROFORMA OF SCHEDULES	

Clause 12 **Type of work** ***Maintenance Work***

Clause 12.2,12.3,12.5 ***Deviation Limit ►*** **NO Limit**

[More than 1.25 upto 1.50 of tendered amount required approval from CE(Kolkata)]

Clause 16

Competent Authority for Deciding reduced rates. ***CE - Kolkata /CPWD/Kolkata***

Clause 18

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

a. Screw Driver, b. Tester, c. Test lamp, d. Multimeter, e. Earth Tester, f. Megger, g. Tong Tester, h. Pillar, i. Slide Range/ spanner (various size) j. First Aid Box etc.

As required for timely execution of work as per direction of Engineer –in – charge.

Clause 19 **Addition-Definitions** (xx) Adolescent Person: A person who has completed his/ her fourteenth year of age but has not completed his eighteenth year. (xxi) Hazardous works: Hazardous process/works are the works as defined in the clause (cb) of the Facto Ac 1948.

Clause 19B Payment of Wages *The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971 and* ***Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 - sec. 3 (ii) amended time to time.***

Clause 19C Authority to decide penalty for each default ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

Clause 19D Authority to decide penalty for each default ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

Clause 19G Authority to decide penalty for each default ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

Clause 19K Authority to decide penalty for each default ***AE[E]/KCESD-IV/KCED-I/CPWD/Kolkata***

Clause 19L *The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis.*

Clause 19M ***Sexual Harassment of Women at Workplace*** *The contractor shall comply with all provision(s) and guideline(s) of Sexual Harassment of Women at Workplace (Prevention Prohibition and Redressal) Act, 2013 and amendment thereafter time to time or any other rules framed under any labour law affecting women worker(s).*

Clause 25

	Conciliator-	***Special Director General (Kolkata)***
	Arbitrator Appointing Authority	***CE - Kolkata /CPWD/Kolkata***
	Place of Arbitration	***Kolkata***

Clause 32 ***Not Applicable***

Clause 38 ***Not Applicable***

REFERENCE TO APPLICABLE OFFICE MEMORANDUMS

The following amendments to General Conditions of Contract 2023 issued by DG, CPWD, New Delhi shall be applicable and shall form part of the contract / agreement. The OMs can be viewed on website www.cpwd.gov.in

SL	Reference to OMs
1	SOP No. 5/20(8): ERP Electronic Measurement Book (e-MB) (Refer para 5.12.1(B)) Electronic Measurement Book is applicable all over India w.e.f. 01.10.2023 for all ongoing and future works (excluding EPC Projects). (Ref No. DG/SOP 2022/16, dated.13-09-2023
2	Modification/ addition in SOP 5/33 for CPWD Works mannual 2022 regarding Clause -12 Extra and Deviated items in works Ref DG/SOP-2022/24, dated.18-12-2023
3	Modifications in Conditions of Contract, Clause 5 and schedule F in clause 5 of GCC 2023 Maintenance Works(Ref : DG/CON/Maintenance 2023/02 dated.08-12-23)
4	Modifications in Conditions of Contract, Clause 5 and schedule F in clause 5 of GCC 2023 Construction Works(Ref : DG/CON/Construction 2023/04 dated.08-12-23)
5	Modifications in Conditions of Contract, Clause 12 and Schedule E and F of GCC 2023 for Maintenance Works(Ref : DG/CON/Maint 2023/3 dated.18-12-23)
6	Modifications in Conditions of Contract and Clause 19 of GCC 2023 for Maintenance Works & Construction work (Ref : DG/CON/Maint 2023/4 and DG/CON/Construction 2023/5 dated.08-02-24)
7	Modifications in Clause 7 of GCC 2023 tor Maintenance Works & Construction work (Ref : DG/CON/Maintenance 2023/5 dated.01-03-24 &DG/CON/Construction 2023/7 dated.01-03-24)
8	Modifications in Conditions of Contract, Clause 19 and 20 of GCC 2023 for Maintenance/ construction Works (Ref : DG/CON/Maintenance 2023/5 & DG/CON/Construction 2023/7 dated.01-03-24)
9	Modifications in Clause 7 of GCC 2023 for Construction Works (Ref : DG/CON/Construction 2023/7 dated.01-03-24)
10	Modification in clause 19 of GCC 2023 for Construction Works (Ref : DG/CON/Construction 2023/8 dated.05-03-24)for Maintenance Works (Ref : DG/CON/Maintenance 2023/7 dated.05-03-24
11	Modifications in Clause 1, 8 and 41 of GCC 2023 for Construction Works (Ref : DG/CON/Construction 2023/9 dated.01-06-24)
12	Modifications in Clause 36 of GCC 2023 tor Maintenance Works (Ref No.DG/CON/Maintenance 2023/08, and for construction work DG/CON/Construction 2023/10 dated.03-06-24)
13	In GCC 2023 modification/addition regarding General rules and directions (Ref no. DG/CON/Maintenance 2023/09, and DG/CON/Construction 2023/11 dated.03-06-24)
14	In GCC 2023 modification/addition regarding General rules and directions (Ref no. DG/CON/Maintenance 2023/11,Dated-29-10-24 and DG/CON/Construction- 2023/13 dated.29-10-24)

FORM OF PERFORMANCE SECURITY (GUARANTEE)

BANK GUARANTEE BOND

1. In consideration of the President of India (hereinafter called "the Government") having offered to accept the terms and conditions of the.... proposed agreement between……and .....(hereinafter called "the said contractor(s)") for the work .....(hereinafter called "the said agreement') having agreed, to production of an irrevocable Bank Guarantee for Rs…….. (Rupees ..... only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

   We..... (hereinafter referred to as "as Bank")
   (indicate the name of Bank)

   hereby undertake to pay to the Government an amount not exceeding Rs…… Rupees .....only) on demand by the Government.

2. We..... do hereby
   (indicate the name of Bank)
   undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding
   Rs……(Rupees……only) the Government.

3. We, the said bank further undertake to pay the Government any money so demand notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.
   The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We.....further agree that the
   (indicate the name of the Bank)
   guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till Engineer-in-Charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

5. We.....further agree with
   (indicate the name of Bank)
   the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We.....lastly undertake not
(indicate the name of bank)
to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid up to……..unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs. ……(Rupees.....only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee, shall stand discharged.

Dated, the.....Day
of…… .

For……
(indicate
the name of the Bank)

General Conditions and Specifications for Internal Electrical Installations.

1. General

1.1 The work shall be generally carried out in accordance with schedule of quantities and the following specifications and conditions.

a. CPWD general specifications for electrical work Part-I internal- 2023, as amended upto date.
b. CPWD general specifications for electrical work Part-II external – 2023, as amended upto date.
c. Commercial and additional conditions for this work.
d. The Indian electricity Act, 2003 as amended upto date.
e. Indian electricity rules 1956 amended upto date.

1.2 The Department shall not issue any T & P and nothing extra shall be paid on account of this.

2. Rates:

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (Including works contract tax, labour welfare cess) GST, Octroi, duties and levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site i/c temporary constructional storage, risks, over head

3. Completeness of tender:

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are use full and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

4. Storage and Custody of Materials:

The agency has to make his own arrangement for storage, watch and ward of the stores. Their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

5. Care of the Building:

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

6. Completion period:

The completion period indicated in the tender documents is for the entire work of supplying, installation, testing, commissioning and handing over of the entire installation to the satisfactory of the Engineer-in-Charge.

7. Performance Guarantee:

The tender shall guarantee among other things, the following visa-a-vis specifications.

A) Quality, strength and performance of the materials used.
B) Satisfactory operation during the maintenance period.

8. Defect Liability Period:

A) The entire installation in general shall be guaranteed for a period of 12 months from the date of completion. Any defective materials and equipment shall be replaced free of cost at the direction of the Engineer-in-Charge.

B) All the LED bulbs/ LED Fittings shall be Guaranteed for a period of 5 years from the date of completion of work and handing over. A letter from the manufacturer of the LED luminaries regarding the back to back arrangement for performance of this guarantee clause shall be submitted at the time of supply of LED fittings.

bi) **50% of the performance guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate.**

bii) **50% of the Performance Guarantee shall be retained as Security Deposit.**

biii) **50% of the Performance Guarantee retained as Security Deposit plus 2.5% Security Deposit already deducted from each running bill (Total 2.5 + 2.5 =5%) shall be refunded year wise proportionately.**

9. Power Supply :

No power supply for the purpose of carrying out the work, except for testing and commissioning, shall be provided by the department.

10. Data and Programme to be furnished by the tenderers:

The Contractor shall prepare the programme chart for the execution of the work showing clearly all activities from the start of work to the completion required for the completion of the work within the stipulated period and submit the same to the Engineer-in-Charge within fifteen days after the issue of letter for commencement of the work. The contractor shall also submit monthly programme and progress report and update / re-schedule the same every month. These shall be submitted by the contractor in soft copy also besides forwarding hard copy of the same.

11. Extent of work:

11.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be requirement by the department.

11.2 Minor building works necessary like making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc. as required to be undertaken.

12 Compliance with Regulations and Indian Standards:

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

a. Factories Act.
b. Indian Electricity Rules.
c. IS & BS Standards as applicable.
d. Workmen's compensation Act.
e. Statutory norms prescribed by local bodies.

13 Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

14 Order of Preference:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

15 Verification of Correctness of Material at Destination:

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

16 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. Commercial and additional conditions for this work.
c. General conditions of contract for CPWD works.
d. Drawings
e. CPWD General Specifications.
f. Relevant IS or any other International code in case is not available.

17. The main contractor shall also enter into a 'Memorandum of understanding' with the approved associate contractor on Non-Judicial Stamp Paper as per the enclosed proforma and submit this 'MOU' duly completed (Duly Signed by him and the associated Contractor) before commencement of work.

18. Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned.

19. The main agency shall be responsible for all acts of omissions and submission of the electrical contractor or sub-contractor engaged by him, even with approved of department.

20. Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be supplied and used in all the works by the contractor.

21. The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.

22. Running payment for electrical / mechanical components shall be made by the EE (E) directly to the main contractor. The main contractor shall make the payment to associated contractor within 15 Days of receipt of each running account payment.

23. Payments Terms:

On account payments for part work (After stipulated and statutory deductions) as assessed by the Engineer-in-Charge for the applicable items in the contract shall be payable at part rate not exceeding the percentage indicated against the stages of work.

[A] Items connected with point wiring, circuit wiring, sub-main wiring, power point wiring and light plug wiring.

SL	Stage of work	Percentage of Rate
A	On laying of conduits with accessories, switch boxes, etc.	**40%**
B	On drawing of wires i/c terminations, switches, sockets, cover plates etc	**40%**
C	On completion of installation, testing and commissioning.	**15%**
D	At the time of payment of final bill.	**5%**

[B] Items of Lighting Fixtures, MV Panels, MCBs, MCB DBs, Rising Main /Ceilig Fan/AC Machine/Fire Alarm System/UPS/UG Cable/LED Fitting etc.

SL	Stage of work	Percentage of Rate
A	On initial inspection of material and delivery at site in good condition on pro-rate basis.	**70%**
B	On completion of installation on pro-rata basis.	**15%**
C	On completion of testing and commissioning.	**10%**
D	At the time of payment of final bill	**5%**

For LED Fittings Part Payment/Final payment will be made on submission of Guarantee Certificate for 5 (five) years from Authorised signatory and

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

24. The main contractor shall be responsible for coordinating the activities of all works and will ensure progress of works as per laid down program.

25. The main contractor and / or his associated electrical contractor or his representative is bound to sign the site order books as and when required by the Engineer-in-charge and will comply with the remarks therein.

26. The contractor shall make his own arrangement at his own cost for electrical / general tools and plants required for the work.

27. The connections, interconnections, earthing and loop earthing shall be done by the contractor when ever required to be done for energisation of the installation and nothing extra shall be paid on this account.

28. The contractor must be able to work on concrete slabs / walls as and when required and in complete coordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the case to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface con not be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.

29. The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed.

30. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from Engineer-in-Charge.

31. Some light points in lobby / corridors / stair case / lift shaft etc are group controlled which will be measured as per specifications.

32. The rupturing capacity of the MCB's shall be 10KA. The MCB's shall have ISI mark. Quantities of MCBs of different rating of 6 amps to 32 amps shall be brought in consultation and after obtaining approval from the Engineer-in-Charge.

33. All the MCCB's shall be rated for Ics=Icu

34. The copper wires to be used on this work shall be FRLS type and ISI marked.

35. 35. The make of switch boxes shall be the same as that of switches. Only the required knockouts of the switch boxes are to be removes for terminating the conduit pipes with PVC glands / check nuts.
Make of MCB / MCCB shall be the same as the make of MCB DB.
All the switch boxes, MCB DBs are to be covered with plastic sheet / petroleum gelly when installed in brick work till the plastering / painting is done to avoid sticking of cement plaster / splashes of the paint. Cement plaster / paint are to be cleaned immediately after plaster to avoid rusting of switch boxes and MCB DBs. The plastic sheet is to be removed at the time of handing over.
All pin 15 amp and 6 pin 15/16 amps power sockets, fan regulator shall be of 2/3 module type.

36. The electrical works shall be carried out by the contractor, side by side with the progress of the civil works.

37 The contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchases of wires, modular switches & accessories, MCB's MCB DB, fittings, accessories and other items, from the manufacturer's authorization outlets.

38 All PVC conduits accessories shall be of the same make as conduits. The conduits shall be terminated at switch boxes / metallic junction boxes with suitable PVC glands / check nuts.

39 Cutting of brick walls shall be with chase cutting machine only. All repairs and patch works shall be neatly carries out to match the original finish and to the entire satisfaction of the Engineer-in-charge.

40. All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB's No payment for these wires shall be made. However wires within the cubical panel will be measured and paid under relevant item of work. All the circuit/sub main wiring are to be suitably numbered with stickers/maker pen at LT panel, MCB DB's switch boards (ON backside of cover plate) for ease of maintenance. Nothing shall be paid extra on this account.

41. The contractor shall submit the completion plan separately in triplicate on blue print with one set on tracing "Cloth" as per clause-8 of the contract within 30days of the completion of work. In case, the contractor fails to submit the plan, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 25, 000.00.

42. To facilitate drawing of wires, 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no extra payment shall be made. Conduits laid for other services, like fire alarm, PA etc, where wiring is not done along with EI works, fish wire shall be invariably drawn.

43. The connection between incoming switch / isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.

44. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.

45. All MS junction box cover should be of phenolic laminated / good quality plastic sheet of thickness not less than 3 mm and for which nothing extra shall be paid on the account.

46. All sub-main/power/light wiring shall be terminated in the main board as well as in the switch boards/socket outlets with suitable copper lugs / thimbles for which nothing extra shall be paid on this account.

47. All hardware items such as screw, thimbles, GI wire etc which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.

48. All hardware items such as nuts / bolts / screws / washers etc to be used in work shall be zinc / cadmium plate iron.

49. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.

50. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.

51. Materials to be used in work are to be **ISI marked**. 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 use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the materials which, in his opinion, is not acceptable.

52. Where switches / sockets / regulator / telephone / TV / internet outlets are to be provided the same shall be of only one make.

53. While laying conduits for fire alarm system, sufficient junction outlets are to be provided as per the direction of the Engineer-in-charge for detectors as reqd.

54. Wherever light fittings are proposed to be provided on the false ceiling, the respective light / fan point wiring will have to be brought up to the terminal of the light fittings / fans by the contractor. Flexible metal conduits shall be used for drawing wires from ceiling to fittings on false ceiling and nothing extra shall be paid to the contractor for the same.

55. Rate Rationalization shall be applicable in case the same item appears more than once in the schedule of work under the same sub-head or among the different subhead of works. Accordingly the lowest rate quoted for that item among all the sub-heads shall be considered for all similar items for evaluation of tender and making payment.

56. All statutory deductions like GST, labour welfare cess etc. shall be made from the bills.

Specification of Modular Switches and socket (Ref: CPWD Specification Internal 2023)

The modular switch shall be as per following/ have features mentioned below: -

- Suitable for 240V, AC, with normal gap constructions, Flush type, Screw type terminal, IP20
- Current carrying plastic parts of Nylon (PA6) with glass fibres up to 16A
- Non-Flammable insulating parts & very high Insulating resistance after Humidity test.
- Marked with IS 3854:1997 • Snap fit with Modular Plates very easy to install
- Arrow marking for correct orientation with plate. • Double rocker mechanism to prevent visible spark.
- Bimetal Silver contact tips for less spark & longer life.
- Fire retardant and UV stabilized.

The modular sockets shall be as per following/ have features mentioned below:-

- 240V, AC, Flush type, Screw type terminal, Shuttered. • Polycarbonate material thickness ~1.5 mm to 2.5 mm
- Non-Flammable insulating parts & very high Insulating resistance after Humidity test.
- 6A, 6/16A Socket market with ISI, as per IS1293:2019
- Snap fit with Modular Plates easy to install
- Brass current carrying parts. • Fire retardant and UV stabilized.

Wet riser work /Fire alarm work will be carried out as per CPWD General Specifications for Electrical Works Part V Wet Riser & Sprinkler Systems – 2020 and CPWD General Specifications for Electrical Works Part VI Fire Detection and Alarm System – 2018 with upto date correction slip as on last date of opening of Tender.

SAMPLE CONSENT LETTER OF CONTRACTOR FOR e-MB

To
The Executive Engineer(E)
KCED-I/CPWD
Nizam Palace/Kolkata-20

Subject : Consent for online recording of measurement and making payment on the basis of online measurements submitted through CPWD ERP system.

Name of work:

Agreement No.

Sir,

With reference to the above cited work and agreement, I hereby submit my consent for recording of online measurement on CPWD ERP system and making payment of work done on the basis of online submission of measurements on CPWD ERP system.

Yours faithfully,

Dated:
Place:

(Signature of Contractor/authorized representative)
Name & Seal

FORM - 'A'

UNDERTAKING REGARDING ASSOCIATION WITH THE AGENCIES HAVING EXPERIENCE OF SPECIALISED WORK

To
The Executive Engineer,

Subject : Name of work :

Agreement No.

Sir,
Having examined the details given in the Bid Documents for the above said work. I / We hereby submit the following :

"I / We undertake that I/We will associate contractors having experience of execution of each specilised works mentioned in bid document."

Signature of the Bidder with seal

FORM - 'B'

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF SPECIALIZED COMPONENT OF WORK

Name of work :

Agreement No.

I / We hereby give my consent to associate with M/s..... , for executing the minor component of work of ..... (Mention category).

I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer –in-Charge for the corresponding specialized work till the completion of the work.

I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.

Also, I / We will employ full time technically qualified Engineer / supervisor for the minor component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date:_____/ _____/ 20 _____

(Signature with date of Major Component Contractor)	***(Signature with date of Major Component Contractor)***
Address:	***Address:***

Witness with address
(From Specialized component contractor) _____

Witness with address
(From Major component contractor)) _____

FORM - 'C'

AFFIDAVIT OF MEMORANDUM OF UNDERSTANDING (MoU)
(to be submitted for each and every E & M Component)

1. M/s. _____(Name of the firm with full address)_____
Enlistment Status : _____.
Valid Upto : _____.
(Henceforth called the main Contractor)

2. M/s. _____(Name of the firm with full address)_____
Enlistment Status : _____.
Valid Upto : _____.
(Henceforth called the Associated Contractor)

For the execution of E & M Work :
Name of work :

Agreement No.

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act (amended up to date) and the department (CPWD) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties can be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation by the Engineer In charge. Any of us may appeal against the mediation to the Chief Engineer cum ED, CPWD, Bangalore. His decision shall be final and binding on both of us.
We have agreed as under :

1. The Associated Contractor will execute all E & M works in the wholesome manner as per terms and conditions of the agreement.

2. The Associated Contractor shall be liable for disciplinary action if he fails to discharge the action(s) and other legal action as per agreement.

3. All the machinery and equipment, tools and tackles required for execution of the E & M works, as per agreement, shall be the responsibility of the Associated Contractor.

4. The site staff required for the E & M work shall be arranged by the Associated Contractor as per terms and conditions of the agreement.

5. Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Associated Contractor and by Associated Contractor himself.

6. All the correspondence regarding execution of the E & M work shall be done by the department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated contractor shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.n the wholesome manner as per terms and conditions of the agreement.

SIGNATURE OF MAIN CONTRACTOR :	***SIGNATURE OF ASSOCIATED CONTRACTOR :***
Date:_____/ _____/ 20 _____	***Date:_____/ _____/ 20 _____***
Place;	***Place:***
1. Witness with address :	2. Witness with address :
a.	a.
b.	b.
c.	c.
(From major component contractor side)	(From minor component contractor side)

NOTE : Affidavit to be furnished on a 'Non-Judicial' stamp paper worth ₹100.

LIST OF PREFERRED MAKES FOR E & M WORKS

A	**I.E.I., MCBDB & MCB, cable & Wires**	
1	MCB DB (Sheet thickness 1.6 mm)	Legrand / C&S /Siemens /Schneider/ABB/ L&T
2	MCB / MCCB / Isolator / Industrial Plug Socket / RCCB / RCBO`s	Legrand (DX3) / Siemens (Betaguard) / Schneider (Acti 9)/ ABB (SB) / C&S (Wintrip 2) / L&T
3	Change Over Switch	Schneider/Siemens/ ABB/C&S
4	FRLS PVC ins. Copper cond. Single core cable for wiring (ISI marked)	Finolex/Havells/RR Kable/KEI/Polycab
5	Armoured/ Unarmoured telephone cable, coaxial cable	Finolex/Havells/RR Kable/KEI/Polycab
6	MS Conduit (ISI marked) with MS Conduit pipe accessories.	AKG/ BEC /RM CON/Precision
7	PVC Conduit (ISI marked) with PVC Conduit pipe accessories.	AKG/ norpack/ BEC/ Polypack
8	Modular Switch, Socket/Telephone socket/ cable TV Socket/ Data outlet socket/ Fan Regulator/ G I Boxes Etc (Wiring Accessories).	Legrand (arteor) / MK (BlenzPlus) / ABB (Ivie) / Havells (Murano) / Schneider (Unika Pure)
9	Selector Switch & Toggle switch	Salzer(L&T)/ Siemens/ Kaycee/ Rishabh/ ABB
10	DLP/PVC Trunking	MK/Schneider Electric / Legrand/Construct
11	GI pipe	Jindal /TATA/ SAIL
12	Paints	ICI/ Asian/Berger/Nerolac
13	Terminal Block & Connectors	Elmex/ Wago/ Hensel/ Connectwell
14	Phenolic laminated sheet/ Bakelite sheet	Hylem/ Formica (P-I grade)/ Mylam/ Greenlam.
15	Cat-6 cable, Wires &Fiber optic cable	Amp, Avaya/Beldon/Legrand/Molex/ Schneider/ D-Link/Polycab
B	**Fans & Fittings**	
1	LED Light Fittings/ LED type Flood Light Fittings	Phillips/Wipro/Trilux/LT/ Osram/Crompton
2	Ceiling fan/ Exhaust fan/ Wall fan	USHA/Havells/Crompton/Orient/Atomberg
3	Wall Bracket fitting	Havells/ Phillips/Wipro/Trilux/LT/Osram
4	Geysers	Racold/Havells/ Somany/Bajaj/Jaguar/Crompton
C	**Sub -Station Equipments**	
1	LT Panels/Feeder Pillar (Approval of CPRI shall not be older than 5 years)	Amit Project& Controls /Green Galaxy Electrotech /Associated Switchgears and Project Ltd. / C&S/ETC Electric Pvt. Ltd.
2	Power/ Aux. contactor 3/4 pole	Schneider Electric / Legrand/ Hager/ L&T/ ABB/ Seimens
3	Potential transformer/ Current Transformer	Automatic Electric/ Gilbert & Maxwell/ Matrix/ Precise/ L&T/ Kappa
4	LED type indicating lamp/ Push Button	Schneider Electric / L&T/ Seimens/ C&S/Vaishno
5	Over load Relays	Schneider Electric / L&T/ Seimens/ C&S / ABB / Havells
6	Conventional/Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/ L&T/ Secure/ AE/ C&S/HPL
7	Timer	Schneider Electric / Legrand/ Hager/ L&T/ ABB/ Seimens/ C&S
8	Fastners/ GI Clamp	Hilti/ Fisher/ Chilli/ GMGR
9	D.W. Corrugated HDPE pipe (ISI marked)	Rex/ Duraplast/ Triputi/ Duraline/ ASTRAL
10	Rubber Mat (ISI marked)	Jyoti/ Deep Jyoti/ Premier
11	Fire Extinguishers (ISI marked)	Minimax/ Safex/ Lifeguard/ Kalpex/Ceasefire/ Padmani
12	XPLE insulated PVC sheathed Alum. / Copper conductor Armored / Unarmored cable of 1.1 KV grade	Finolex/ RR Kabel/ KEI/ Havells/ Polycab
13	Cable Glands double compression with Earthing links	Comet/ Cosmos/ Dowells/ Gripwell
14	Bimetallic Cable Lugs	Comet/ Dowells(Biller India)/Hax Brass(Copper Alloy India) / Jainson/ Action.
15	MS / GI Pipe	Jindal/ Tata/SAIL
16	PVC Pipe	Ashirvad/ Astral / Finolex / Flowguard / Supreme / Prince
17	Aluminium Composite Panel (ACP)	Alu Décor / Alstrong / Alucobond / Eurobond / Reynobond
18	Ornamental MS & CI Pole (Factory Finish)	Bajaj / Subham Poles / RR ISPAT / Trans Rail / Havells/Philips
19	Hot Dipped Galvanized Octagonal Pole (Factory Finish)	Bajaj / Subham Poles / RR ISPAT / Trans Rail / Havells/Philips
20	Cable Junction Box	Hensel/ Sintax/ Spelsberg / Neptune-bals
21	MS Channel, Angle, GI Sheet	Jindal Hissar/ TATA/ Sail

	FIRE FIGHTING SYSTEM :	
1	Pumps for firefighting system including drain / dewatering pumps	Mather & Platt (Willow) / Best & Crompton / KSB / Grundfos / ITT / Armstrong/ Kirloskar / CRI
2	Diesel Engine for fire pump	Mather & Platt (Willo) / Best & Crompton / KSB / Grundfos / ITT / Armstrong/ Kirloskar /CRI
3	Motor for fire pumps	Siemens / Kirloskar / Crompton / Mather & Platt (Wilo) / Areva
4	MS Pipe	TATA / SAIL / Jindal
5	GI Pipe	TATA / SAIL / Jindal
6	Pressure switch	Danfoss / Honeywell / Indfox
7	Pressure gauge	Feibig / H Guru / Emerald / Taylor
8	Pressure Transducer	Danfoss / Honeywell / Indfox / Feibig
9	Flow switch	Forbes Marshall / Eureka / Rapidcool / Siemens / Johnson controls/Honeywell
10	Firefighting equipments and accessories such as single headed / double headed landing valve / hydrant valve, branch pipe, nozzles, Fire service inlet, fire brigade inlet etc. (To be ISI marked only)	Newage / Minimax / Ceasefire / Omex / Vijay/Safe Guard/Karter/Life Guard
11	First aid hose reel (To be ISI marked only)	Newage / Minimax / Ceasefire / Omex / Vijay /Safe Guard/Karter/Life Guard
12	RRL hose pipe, hose coupling (To be ISI marked only)	Jayasree / Newage / Minimax / Cease fire / Omex/Safe Guard/Karter/Life Guard
13	Sprinkler	HD Fire / Newage / Omex / Minimax / Cease fire / Tyco / Kidde / Viking/Karter
14	Installation control valve	HD Fire / Mather & Platt / TYCO / Viking / Kidde
15	Fire Extinguishers (To be ISI marked only)	Cease Fire / Minimax / Vijay Fire / Fire Shield /Safe Guard/Karter
16	CIDF Butterfly valve / Sluice valve / Non-return valve / SS strainer. (Valves to be ISI marked only)	Kirloskar / Audco / Perfect(LP Valves) /Advance / Castle / SKS / CIM / Honey Well /Karter/Leder/Zoloto
17	Motorized Valve	Kirloskar / Audco / Perfect(LP Valves) /Advance / Castle / SKS / CIM / Honey Well /Karter
18	Gunmetal/SS Ball / Gate / Globe Valve (To be ISI marked only and shall be heavy type)	Leader / Zoloto / CIM / Perfect (LP Valves)/Rapidcool / Castle / Emerald / Sant / Laksmi / Honey Well
19	Water Pump /De-Water Pump	Mather & Platt (Willow) / Best & Crompton / KSB / Grundfos /Kirloskar/CRI