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Name of Work: - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)

NIT No: 132/EE-E/KCED-3/CPWD/2026-27

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Certified that NIT documents consist of Page No.1 to 46 including this Index page and excluding Schedule of Quantities.

Executive Engineer (El)
KCED-3, CPWD,
DF Block, Salt Lake, Kolkata-64

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

The Executive Engineer(E), KCED-3, CPWD, Salt Lake, Kolkata-64, on behalf of President of India invites online **percentage rate bids in Single Bid System** from **approved and eligible CPWD Building & Roads Category Contractors** for the following work:

S. No.	N.I.T. No.	Name of work & Location	Estimated Cost put to tender	Earnest Money	Period of Completion	Last Date & Time of submission of bid, copy of EMD declaration form and other document as specified in NIT	Date & time of Opening of Price Bid
1	2	3	4	5	6	7	8
	132/EE-E/KCED-3/CPWD/2026-27	**Name of Work: -** Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)	**₹ 24,80,507.00**	**₹ 49,610.00**	**60 Days**	**Up to 15:00 Hrs. On 28/11/2026**	**Up to 15:30 Hrs. On 28/11/2026**

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. **Ambiguity if any noticed by any bidder regarding NIT documents shall be bring to the notice of tender inviting authority before 23/11/2026 upto 15.00 Hrs, no claim shall be entertained in this regard in later stage.**
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.cpwd.gov.in free of cost.
4. 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 with in the period of Bid submission and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards cost of EMD in favour of **Executive Engineer, Kolkata Central Division-III, CPWD, Kolkata** receipt for deposition of original EMD to division office of any Executive Engineer (including NIT Issuing EE/AE) CPWD and other documents as specified.
5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in.
6. The intending bidder must have valid class-III digital signature certificate with encryption key (Combo type) to perform any operations/transactions on the e-tendering portal/website and the bidders should download and install the eMsigner on their system as per instruction available on download section of https://etender.cpwd.gov.in

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

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

9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appearsin 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 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. SC/ST contractor enlisted under Class – V category are exempted for processing fee payable to ITI.~~

11. Copy of enlistment order and other documents as specified in the tender documents for eligibility shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded document as specified in tender documents shall be submitted by the lowest bidder within a week physically in the office tender opening authority.

12. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.

13. All cess/duties/taxes as applicable on the date of receipt of tender shall be borne by the contractor. The contractor shall quote his rates considering all such cess/duties/taxes.

14. Contractor must have GST registration for becoming eligible to participate in tender. Contractors who do not have GST registration shall not be allowed to participate in tender. Please refer Sl. No - V. pg-4

15. The bidders are advised to inspect and examine the site & its surroundings and satisfy themselves before submitting their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent upon any misunderstanding or otherwise shall be allowed

16. The bidders who propose any alteration in the work specified in the said form of invitation to tender, orin the time allowed for carrying out the work, which contain any other condition(s) of any sort including conditional rebate will be summarily rejected.

17. The tenderer should read all the instructions, terms & conditions, contract clauses, nomenclature of items, specifications etc., contained in the tender document very carefully, before quoting the rates.

18. The tenderer should also read the **General conditions of contract 2023 for Maintenance works (Amended up to date of receipt of tender)** published by DG (W) CPWD, Nirman Bhawan, New Delhi which will be a part of the Agreement with up-to-date amendments i.e., up to date of receipt of tender.

19. The contractor shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.

20. Provision for Labour Camp": (No. CSO/C&M/C37(8)/2005/688, dated, 07.07.06.

    The contractor shall have to make his own arrangement for housing facilities for staff and labour awayfrom site and shall have to transport the labour to and between construction site and labour camp at hisown cost. No. labour huts will be allowed to be constructed at the site. The decision about store at site shall rest with the Engineer-in-charge and the contractor shall have no claim on this account.

21. **LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITH IN THE PERIOD OF BID SUBMISSION:**

i) **INSURANCE SURETY BOND, ACCOUNT PAYEE DEMAND DRAFT, FIXED DEPOSIT RECEIPTS, BANKERS CHEQUE OR BANK GUARANTEE AGAINST EMD. EMD DEPOSIT TO BE DRAWN IN FAVOUR OF EXECUTIVE ENGINEER, KOLKATA CENTRAL DIVISION-III, CPWD ONLY ACCEPTABLE. NO ABBREVIATED TERM WILL BE ACCEPTED.**

ii) **COPY OF RECEIPT FOR DEPOSITION OF ORIGINAL EMD TO DIVISION OFFICE OF ANY EXECUTIVE ENGINEER (INCLUDING NIT ISSUING EE/AE) OF CPWD.**

iii) **CONTRACTOR VALID ENLISTMENT IN CPWD IN BUILDINGS & ROADS CATEGORY.**

iv) **VALID ELECTRICAL CONTRACTOR LICENSE / UNDERTAKING BY COMPOSITE CIVIL CONTRACTOR THAT THEY WILL EITHER OBTAIN VALID ELECTRICAL LICENSE AT THE TIME OF EXECUTION OF ELECTRICAL WORK OR ASSOCIATE CONTRACTORS HAVING VALID ELECTRICAL LICENSE OF ELIGIBLE CLASS.**

v) **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 undertaking along with bid documents.

"If work is awarded to me, I/we shall obtain GST registration Certificate, **"as applicable"**, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".

vi) **THE ERP TRAINING CERTIFICATE FOR ENLISTED CPWD CONTRACTOR.**

vii) **ESIC & EPF REGISTRATION CERTIFICATE OR PROOF OF APPLYING THEREOF.**

viii) **ANY OTHER DOCUMENT SPECIFIED IN THE NIT.**

22. **IF THE ABOVE MENTIONED DOCUMENTS ARE NOT SCANNED AND UPLOADED WITHIN THE PERIOD OF BID SUBMISSION THE BID SHALL BE TREATED AS INVALID AND CANCELED.**

The contractor of composite category are mainly enlisted for execution of building works, internal and external electrical works and E&M services like HVAC, Firefighting, Fire Alarm, Sub-station and DG-set and related items. However, they are not eligible to tender for exclusive work of horticulture, lift, Road, Furniture, and other specialized works.

Executive Engineer (E)
KCED-3, CPWD,
DF Block, Salt Lake, Kolkata-64.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

Receipt of deposition of original EMD (Receipt No……..….. /date …….)
Name of Work: - - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.) NIT No.:- **132/EE-E/KCED-3/CPWD/2026-27** 1. Estimated Cost:- **₹ 24,80,507.00** 2. Amount of Earnest Money Deposit**:- ₹ 49,610.00** 3. Last date of submission of bid: - **28/11/2026 up to 15:00 Hrs.** (*To be filled 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 by EMD receiving officer

Signature, Name and Designation
of EMD receiving officer
(EE/AE (P)/AE/AAO)
along with Office stamp

CPWD-6 FOR e-TENDERING

The Executive Engineer(E), KCED-3 CPWD, Salt Lake, Kolkata-64, on behalf of President of India invites **percentage rate bids in Single bid system** from **approved and eligible CPWD Building & Roads Category Contractors** for the following work:

Name of Work: - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)

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

1.1 The work is estimated to cost **₹ 24,80,507.00 .** 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 tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

~~For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicates the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.~~

~~**1.2.1** Conditions for non CPWD registered contractor only, if bids are also opened to non CPWD contractors.~~
~~For works up to tendering limit of class I composite category contractor (However, for Horticulture and Furniture etc discipline it may be modified as per bidding limit of CPWD class 1 contractor of respective discipline as the case may be)~~
~~Three works each of value not less than Rs. ----------or two 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) in last 7 years ending previous day of last date of submission of bids~~
~~**Note:**~~
~~For works costing above tendering limit of class II composite category contractors but up to tendering limit of class I composite category contractor (However, for Horticulture and Furniture discipline, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of respective discipline as the case may be) when the bids are opened to non CPWD contractors also, then class II contractors shall also be eligible if they satisfy the eligibility criteria specified in 2.1.1 above.~~
~~**1.2.2 Criteria for CPWD as well as Non –CPWD contractors,**~~
~~For works estimated to cost above tendering limit of class I composite category contractor (However, for Horticulture and Furniture etc discipline it may be modified as per bidding limit of CPWD class 1 contractor of respective discipline as the case may be)~~

~~Three works each of value not less than Rs. ----------or two 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) in last 7 years ending previous day of last date of submission of bids~~

~~The above executed work 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 this is applicable for 1.2.1 as well as 1.2.2 (This is not applicable for CPWD enlisted contractors of appropriate class in composite category)~~

~~**1.2.3** When bids are invited are invited from non CPWD contractor 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 up load the work experience certificate (s) and the affidavit as per provisions of clause 1.2.2~~

~~But for such bids, class- I contractor of CPWD are eligible to submit the bids without submission of experience certificate and affidavit. Therefore CPWD class-I contractor shall up load two separate letters for experience certificate(s) and affidavit that these documents are not required by them. Uploading these two letters are mandatory otherwise system will not clear the mandatory fields~~

1. In case the composite contractor associate with specialized firm in that case composite contractor and Associate contractor is to give required affidavit to confirm their association. This should be submitted as per Performa –I &H within 10 days after award of work.

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also **www.etender.cpwd.gov.in.** Tenderer 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 **60 Days** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

4. **The site for the work is available.**

   OR

   ~~The site for the work shall be made available in parts as specified.~~

5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website **www.etender.cpwd.gov.in** free of cost.

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

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

8. ~~When tenders 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 tender submitted earlier shall become invalid.~~

9. Earnest Money in the form of treasury Challan or demand Draft or Pay Order or Bankers cheque, or Deposit at Call Receipt or Fixed Deposit Receipt drawn in favour of the **Executive Engineer, Kolkata Central Division-III, CPWD, Kolkata** shall be scanned and up loaded to tendering website within the period of bid submission, The original EMD shall be deposited either in the office of Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of EMD to the bidder in a prescribed form (Enclosed) uploaded by tender inviting EE in the NIT

   A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any schedule bank which is to be scanned and uploaded by the intending bidders.

Online tender documents submitted by intending bidders shall be opened only of those bidders, **whose Earnest Money Declaration Proforma scanned and uploaded are found in order. The Price bid shall be opened at 15:30 HRS on 28/11/2026.**

12. The bid submitted shall become invalid and e-Tender processing fee shall not be returned if

(i) The bidder is found ineligible.

(ii) The bidder does not upload deposited original EMD with division office of any Executive Engineer, CPWD.

(iii) The bidder does not upload all the documents including GST registration as stipulated in the bid document i/c the copy of receipt for deposition of Earnest Money.

(iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies of EMD as submitted **by all the tenderer/ bidders** in the office of tender opening authority.

(v) **If a tenderer quotes nil rates against each 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.**

(vi) **If the EMD as submitted by bidder is not found in order.**

13. The contractor whose tender is accepted will be required to furnish performance guarantee of **5% (five Percent)** of the bid amount in favour of **Executive Engineer, Kolkata Central Division-III, CPWD, Kolkata** within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled 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 Scheduled 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, **then the action shall be taken as per O.M. No-DG/CON/Misc./20 dated 31.12.2021 without any notice to the Contractor**.

The contractor whose bid is accepted will also 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 and Programme Chart(Time and progress) within the period specified in schedule F.

14 Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer 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 tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer 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.

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

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

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

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

19 No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

20 The tender for the works shall remain open for acceptance for a period of **30 days** from the date of opening of tenders (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender 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 tenderer shall not be allowed to participate in the retendering process of the work.

31 This notice inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

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

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

22 In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and 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 tenderer shall not be allowed to participate in the retendering process of the work.

Executive Engineer (E)
KCED-3, CPWD,
DF Block, Salt Lake, Kolkata – 64.

PWD-7~~/8~~

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: West Bengal **REGION:** RK **Zone: CE - Kolkata**
BRANCH: E & M **Division:** KCED-3 **Sub Division:** KCESD-II

Percentage Rate e-Tender & Contract for Works

Tender for the work of:- Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)

(i) To be uploaded by **15:00 hours on 28/11/2026** to / upload at www.etender.cpwd.gov.in

(ii) To be opened in presence of tenderers who may be present at **15:30 Hours on 28/11/2026** in the O/o the Executive Engineer (E), KCED-3, CPWD **CGO Complex, Kol-64**.

TENDER

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

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

I/We agree to keep the tender open for **30** days from the due date of its opening in case of single bid system ~~..... from the date of opening of technical bid in case tenders are invited on 2/3 bid / system for specialized work~~ and not to make any modification in its terms and conditions.

A sum of ₹ 49,610.00 is hereby forwarded in cash / receipt treasury challan / deposit at 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 as earnest money.

A copy of earnest money in receipt treasury challan / deposit at 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 take **as per OM No. DG/CON/Misc./20 dated 31.12.2021 without any notice to the Contractor**. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of earnest Money 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 forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

Dated , ……. Signature of Contractor:

Witness: Postal Address:

Address:

Occupation

ACCEPTANCE

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

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

a)

b)

c)

(For & on behalf of the President of India)

DATE:

Signature:

Designation

PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) attached BOQ.

SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any: **As attached in tender documents**.

SCHEDULE 'E'

Reference to General Conditions of contract: **GCC 2023 ~~Construction /~~ Maintenance work.**

Name of Work: - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)

Estimated cost of work : **₹ 24,80,507.00**

i) Earnest money : **₹ 49,610.00**

ii) Performance Guarantee : **5 % of tendered value or Estimated cost Put Tender, whichever is higher.**

A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to Tender.
In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.70A then the amount of APG shall be (0.80A – 0.70A)

iii) Security Deposit : **2.5 % of tendered value**

SCHEDULE F:

GENERAL RULES & DIRECTIONS:

Time allowed for execution of work	:	**60 Days**
Officer inviting tender		**Executive Engineer (EL), KCED-3, CPWD, Kolkata-64.**
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**

Definition:

2 (v)	Engineer-in-Charge	**Executive Engineer (EL), KCED-3, CPWD, Kolkata-64.**
2 (viii)	Accepting Authority	**Executive Engineer (EL), KCED-3, CPWD, Kolkata-64**

2 (x)	Percentage on cost of material and labour to cover all overheads and profits.	**15%**
2 (xi)	Standard Schedule of rate	MARKET RATE/DSR 2025
2 (xii)	Department	**Central Public Works Department.**
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, Performance Chart (Time and Progress) and applicable Labour license, Registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days.	**7 days**
ii)	Maximum allowable extension with late fee @ 0.1% per day beyond the period in (i) above	**3 days**

Clause 2

Authority for fixing compensation under clause-2	**Chief Engineer - Kolkata, CPWD, Kolkata-20.**

Clause 2A

Whether Clause 2A shall be applicable	**Yes ~~/ No~~**

Clause 5

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

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 : 60 Days

Authority to decide:

(i) Extension of time : Engineer – in – Charge or Successor thereof.

(ii) Rescheduling of milestones : Competent Authority or Successor thereof.

(iii) Shifting of date of start in case of delay in handling over of site : Competent Authority or successor thereof.

PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Site is ready for execution of work.	10 days.
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

Clause 5

Applicable clause 5 / Clause 5A : Clause 5

Clause 6

Applicable Clause 6 : Applicable~~/Not Applicable~~

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 — **As decided by the competent authority**

Clause 7A

Whether Clause 7A shall be applicable : YES ~~/ NO~~

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.

Clause 8A

Authority to decide compensation on account if contractor fails to submit completion plan; — **Executive Engineer (E), KCED-3, CPWD, Kolkata or successor thereof.**

Clause 10A — **Applicable**

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

1. Earth tester
2. Insulation Tester
3. Required other T&P for completion of work.

Clause 10B (ii)

Whether Clause 10B (ii) shall be applicable : ~~YES /~~ NO

Clause 10 C — **~~Applicable/~~Not Applicable**

Component of labour expressed as percent of value of work :

Clause 10 CA **~~Applicable~~/Not Applicable**

Sl. No.	Materials Covered under this clause:	Nearest Materials (other than Cement*, reinforcement bars, the structural steel and POL) for which All India wholesale Price Index to be followed:	Base Price & its corresponding period of all the Materials covered under clause 10CA*
Not Applicable.			

Clause 10 CC **Not Applicable**

Schedule of component of other Materials, Labour etc. for price escalation.

Component of civil (except materials covered under clause 10CA) / Electrical construction value of work: -	Xm ..... %
Component of Labour – Expressed as percent of total value of work.	Y ..... %

Note: Xm .....% should be equal to (100) – (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour)

Clause 11

Specifications to be followed execution of work**.** General Specifications for Electrical for Works as applicable and amended up to date. And also as per direction of the E-in-C.

Clause 12 :

Type of work : **Maintenance Work**

12.2, 12.3 & 12.4	Deviation Limit for all construction work beyond which clauses 12.2 & 12.3 shall apply for building work	:	No Limit for all items **(Completion Cost of work should not exceed 1.5 times of tendered amount)**

Clause 16

Competent Authority for deciding reduced rates. **Competent Authority or Successor thereof.**

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site: **All T&P as per requirement of work**

Clause 19 C: **Engineer-in-charge** (authority to decide penalty for each default.)
Clause 19 D: **Engineer-in-charge** (authority to decide penalty for each default.)
Clause 19 G: **Engineer-in-charge** (authority to decide penalty for each default.)
Clause 19 K: **Not Applicable**

Clause 25

Constitution of Dispute Redressal Committee (DRC)

(i)	**Conciliator**	**:**	**Special Director General (Kolkata)**
(ii)	**Arbitrator Appointing Authority**	**:**	**Chief Engineer-Kolkata or successor thereof**
(iii)	**Place of Arbitration**	**:**	**Kolkata**

Clause 32

Requirement of Technical Representative(s) and recovery rate

Sl. No.	**Requirement of Technical Staff**		**Minimum Experience (Year)**	**Designation Technical Staff**	**Rate at which recovery shall be made from the contractor in the event of not fulfilling**
	Qualification	**Number**			
N.A.					

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

Diploma holder with minimum 10 years relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

i) (a) Schedule/statement for determining Theoretical quantity of cement and bitumen on the basis of Delhi Schedule of Rates **2018** printed by C.P.W.D. and read along with Additional specifications attached with NIT. — **NOT APPLICABLE**

ii) Variations permissible on theoretical quantities

a) Cement

For works with estimated cost put to Tender not more than **Rs. 25** lakhs. — ~~**3% plus / minus**~~

For works with Estimated cost put to tender more than **Rs. 25** lakhs. — ~~**2% plus / minus**~~

b) Bitumen for all works. — ~~**2.5% plus / minus**~~

c) Steel Reinforcement and structural steel section for each diameter, section and Category. — ~~**2% plus / minus**~~

d) All other materials — **NIL**

To,

M/s

Sub: NIT No.: 132/EE-E/KCED-3/CPWD/2026-27 for the work: "Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)"

Dear Sir,

It is here by declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, **failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected**.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours faithfully

Executive Engineer (EL)
KCED-3, CPWD,
DF Block, Kolkata-700 064.

(To be filled by the firm and submitted)

To

The Executive Engineer (EL)
KCED-3, CPWD,
DF Block, Kolkata-700 064.

Sub: **Submission of Tender for the work of -"** Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)"

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid is accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory component / authorized to assign the relevant contract on behalf of CPWD

INTEGRITY AGREEMENT

This integrity agreement is made at .....on this .....day of ..... 20 .....

BETWEEN

President of India represented by Executive Engineer (E), KCED-3, CPWD, CGO COMPLEX, DF BLOCK, SALT LAKE, KOLKATA-64.
(Herein after referred as the
'Principal / owner's, which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

M/s

.....

(Name and address of the Individual/Firm/Company)

Through ..... Herein after referred to as the

(Details of duly authorized signatory)

"Bidder / Contractor" and which expression shall unless repugnant to the meaning of context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (herein after referred to as **"Tender/Bid**) and intends to award, under laid down organizational procedure, **contract for the work** - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH : Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)"

Herein after referred to as the **"Contract".**

AND WHEREAS the Principal /Owner values full compliance with all relevant laws of the land rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this integrity Agreement (herein after referred to as "**Integrity Pact**" or "**Pact**") the terms & conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this pact witnesses as under.

Article 1: Commitment of the Principal/Owner

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
   - **(a)** No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
   - **(b)** The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
   - **(c)** The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
   a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
   b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
   c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
   d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
   e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all
      Payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the

Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1. The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
2. The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
3. The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 Months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.
If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

Article 7- Other Provisions

1. This Pact is subject to Indian Law, place of performance and jurisdiction is the Head quarters of the Division of the Principal/Owner, who has floated the Tender.
2. Changes and supplements need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a coNSSO rtium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and coNSSO rtium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
4. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
5. It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

Executive Engineer (E), KCED-3, CPWD
.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. .....
(Signature, name and address)

2. .....
(Signature, name and address)

Place: Kolkata

Dated:

On non-judicial stamp paper of minimum Rs.100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Bank Guarantee for Earnest Money Deposit / Performance Guarantee / Security Deposit / Mobilization Advance

Whereas the **Executive Engineer (E), KCED-3, CPWD, CGO Complex, Kol-64** on behalf of the President of India (hereinafter called "The Government") has invited bids under NIT No. **132/EE-E/KCED-3/CPWD/2026-27 dated …….** For -" Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)**"** The Government has further agreed to accept irrevocable Bank Guarantee for Rs…….. (Rupees……. Only) valid upto…… (date)* as **Earnest Money Deposit** from……(name and address of contractor) ……(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the **Executive Engineer (E), KCED-3, CPWD CGO Complex, Kol-64** on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ……..... with …….....(name and address of the contractor) …….. (hereinafter called "the Contractor") for execution of work **- "**Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)**"** The Government has further agreed to accept irrevocable Bank Guarantee for Rs…….. (Rupees……. Only) valid upto….. (date)* as **Performance Guarantee / Security Deposit/ Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

1. We, …… (indicate the name of the bank) ……. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs…….. (Rupees…… only) on demand by the Government within 10 days of the demand.

2. We, …….(indicate the name of the Bank) do hereby 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 as required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. …….. (Rupees …….only)

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

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

5. We, ……. (indicate the name of the Bank)…….., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

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

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

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

Date …..……..

Witnesses:

1. Signature ……..
   Name and address

Authorized Signatory
Name
Designation
Staff code no.
Bank Seal

2. Signature……
   Name and address

*Date to be worked out on the basis of validity period of 90 Days where only financial bids are invited and 180 days for two /three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/Security deposit/mobilization advance, as the case may be.

GENERAL AND COMMERCIAL CONDITIONS

1. This section covers the various commercial conditions applicable and to be read in connection with the conditions of contract of the standard form (CPWD-7 ~~/ 8~~) of the department (CPWD) forming part of the tender papers. In the event of any discrepancy between these two, the requirements of the former will be followed.

2. These additional conditions and additional specifications are applicable to all E&M works in general. For specific tenders some of the E&M services may not be a part of the particular tender. In such cases the conditions and specifications which are not related to the works or components thereof mentioned in the schedule of work shall not apply for that particular tender.

3. All the E & M works shall be carried out as per direction and to the entire satisfaction of the Engineer-in-charge.

4. The contractor has to submit all the drawings to the Engineer – in – charge of the works for approval from the competent authority.

5. Unless otherwise specified in the following conditions, the work shall, in general, be carried out as per following specifications:

   (i) CPWD General Specifications for Electrical Works – Part-I (Internal), 2023 amended up to date.

   (ii) CPWD General Specifications for Electrical Works Part-V (Wet Riser & Sprinkler Systems) 2020 amended up to date.

   (iii) CPWD General Specifications for Electrical Works – Part-II (External), 2023 amended up to date.

   (iv) Relevant BIS specifications amended up to date.

   (v) Indian Electricity Act 2003 and Indian Electricity Rules 1956 amended up to date.

   (vi) Relevant and applicable foreign standards and specifications amended up to date.

   (vii) Any other relevant act or rules and local byelaws.

   (viii) Commercial and additional conditions and specifications for E & M work for this tender.

6. If the specifications for any item or its component are not available in the CPWD specifications cited above, relevant BIS specification as amended up to date shall be followed, whether or not the specific reference of a particular BIS specification has been made in this specification / tender document.

7. Wherever any reference to any Indian Standard specification occurs in the document relating to this contract the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of opening of tenders.

8. All materials should conform to relevant BIS specifications wherever the same exists in absence of stipulation in this tender document.

9. Where manufacturers furnish specific instructions / recommendations relating to the materials used in this job and/or their installation, covering points not specifically mentioned in these documents, these instructions shall be followed in all cases and shall be deemed to be included in the schedule of work whether they have been specifically mentioned or not.

10. Manufacturer's catalogue / literature on installation, testing, maintenance and troubleshooting of major equipment's shall be submitted to the department while handing over the installation.

11. MATERIALS TO BE USED IN THE WORK :

11.1. All materials used in the work shall be new and of good quality, conforming to the relevant specifications as per good Engineering practice.

11.2. All the materials proposed to be used in the work should be got approved from Engineer in Charge before use in work.

11.3. The materials to be supplied / provided by the contractor in execution of the work should be ISI marked, wherever applicable and of make as specified in the agreement. Where the make of any particular material is not specified in the contract document, the material shall be supplied as per makes desired by the Engineer-in-charge.

11.4. It will be the responsibility of the contractor / bidder to ensure use of genuine materials in the work. The department reserves the right to get (any / all materials / components) inspected by the manufacturer or their authorized representatives at any stage of the execution of work. If any of the materials, equipment's supplied and used in work is found spurious at any stage, then the department reserves the right to ask the contractor to replace it by genuine one and make suitable recovery and / or withheld suitable amount till it is done, even if any payment against that material is already made.

11.5. The department may ask for any valid document like manufacturer's test certificate, document for purchase of the material, document for import / shipment of imported materials etc. as deemed fit by the engineer-in-charge to ascertain genuinity of material supplied by / used in the work by the contractor. The contractor shall remain bound to submit all such documents to the department failing which payment may not be made or if already paid may be recovered / withheld from subsequent running account payment.

11.6. Copies of all purchase documents for all equipment's, accessories, fittings, fixtures etc. which carry guarantee / warrantee shall be handed over to the department in suitable form so that proper guarantee of materials are available to the department.

11.7. All the equipment's and their components and all the materials to be used in the work shall be suitable for the environmental conditions at the location of the work.

11.8. The materials to be supplied in this work shall be scheduled in such a way that miles stones are achieved and no shortfall is there. At the same time materials should be brought at sight in phases in such a manner so that they are not brought much in advance at site and dumped in work site for long period before installation and guarantee / warrantee of the materials are available for full period i.e. from the date of beneficial use of the material / equipment as per tender conditions. If the materials / equipment's are

supplied at site much before actual use in work, the department shall not remain bound to accept and make payment for such items of work involving the said materials / equipment's. The decision of the engineer in charge will be final and binding on all.

11.9. Dismantle materials, if any, should be returned to the department unless otherwise anything in contrary has been specifically stated in the tender document / BOQ.

12. RATES :

12.1 Unless otherwise provided in the schedule of quantities of the work the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account.

12.2 The rates for all items of work shall, unless clearly specified otherwise, include cost of all labours, materials and other inputs involved in the execution of the item irrespective of whether they have been specifically mentioned in the tender document or not.

12.3 This being an indivisible works contract, any type of taxes are not payable separately. The rates tendered shall be firm and inclusive of all taxes, duties, cess and levies as applicable, and all charges for packing, forwarding, insurance, freight and delivery, installation, testing and commissioning at site, watch and ward etc. including temporary constructional storage, risks, over head charges, general liabilities / obligations and clearance from local bodies and State Fire Services, as applicable. Nothing extra shall be paid. However, fees payable to the local bodies / authorities for such clearance etc. shall be borne by the department.

12.4 ~~Service Tax, as payable, will be considered by the Department for reimbursement on actual basis on production of documentary evidence.~~

12.5 The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including works contract tax),GST, 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 charges, general liabilities/obligations and clearance from local authorities. The fee for the inspection of installation by government authorities shall be reimbursed by the department on production of receipts. The contractor has to, however, initially make the payment. ~~Likewise service tax applicable shall be initially paid by the contractor and shall be reimbursed to him by the department after verification of payment receipts etc.~~

13. COMPLETENESS OF TENDER :

13.1 All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are useful and necessary for efficient assembly and installation of 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.

14. STORAGE AND CUSTODY OF MATERIALS:

14.1 The agency has to make his own arrangement for 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.

15. **ACCIDENT:**

The department (CPWD) shall not have any responsibility or liability in case of any accident injury to the personnel to the contractor at work site or to the general public at the work site due to mishandling of equipments by the personnel of the contractor or any other similar reason. The responsibilities and liabilities for such accidents and incidents shall be borne in full by the contractor.

16. **AFTER SALES SERVICE:**

The contractor shall ensure adequate and prompt after sales service in the form of maintenance personnel and spares as and when required with a view to minimize the break down period. Particular attention shall be given to ensure that all spares are easily available during the normal life of the installation.

17. **REMOVAL OF SURPLUS MATERIALS AND TOOLS:**

After completion of work the agency shall remove his men, materials and debris etc. from site.

18. QUALITY OF WORK AND WORKMANSHIP:

18.1 The contractor shall be entirely responsible and answerable for all the works done by him regarding quality, adherence to the laid down specifications, terms and conditions, warranty/guarantee etc. and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.

18.2 Clause 1.15 of CPWD General Specifications for Electrical Works, Part – IV, Substation 2013 and clause 1.13 of CPWD General Specifications for Electrical Works, Part – VII (DG Sets), 2013 shall be applicable.

18.3 The materials having ISI mark shall have precedence over the one conforming to IS Specifications.

18.4 The contractor is advised to visit the site before quoting for his tender to apprise himself about the site environments and other conditions. Drawings and inventories can be seen in the office of the Engineer – in – charge.

19. **SITE ORDER BOOK:** The contractor or his authorized representative shall sign the site order book and comply with the remarks entered their in by the representative of the department.

20. WATCH AND WARD:

20.1 The contractor will make his own storage of his own materials. The watch and ward of the materials and of the installations would be responsibility of contractor till the work is completed / handed over to the department. Nothing extra shall be paid to the contractor on this account.

20.2 Making payment to the contractor in any form against supply of materials / equipments / components or execution thereof shall not absolve the contractor of his responsibility of watch and ward of the equipments / materials etc. and their satisfactory functioning until the same is taken over by the department after successful installation, testing, commissioning and running in period.

20.3 No separate storage space will be provided to the contractor for storage of his materials and equipments to be brought at site and used in execution. The available open site space may however be used by the contractor for storage purposes in which case he may build up temporary store at available site space at his own cost.

21. VARIATION IN QUANTITY:

21.1 Quantities shown against each item of work or supply are tentative which may vary on either side (plus or minus). This variation shall, in general, be governed by clause no. 12 of the clauses of contract of CPWD form 7 / 8. The contractor should ensure from the Engineer-in-charge and from the site condition the actual quantity required / to be used / to be supplied before bringing the materials at site. In case the actual quantity of material required at the site is less than the stipulated quantity, the contractor cannot claim to supply entire quantity stipulated in the schedule of quantities of work (Schedule – A) as well as cannot demand for payment thereof. The contractor shall therefore, be very careful about the quantity of materials to be supplied / brought at site. The decision of the Engineer-in-charge in this regard shall be final and binding on the part of the contractor. Even if initial payment for supply of materials is made in any form for bringing material at site and if it is found at later stage that the actual requirement is less as per site requirement or as per decision of the Engineer-in-charge, the contractor shall have to take back the additional quantity brought / supplied at site and necessary adjustment shall be made from his next bill on this account. No claim in this regard shall be entertained.

22. NATURAL CALAMITY:

No payment will be made to the contractor for any damage caused by rain, snow fall, floods, dampness, fire, sun or any other natural cause whatsoever during the execution of work. The damage to the work due to above reason, if any, shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.

23. INSPECTION AND TESTING:

23.1 The Engineer-in-charge or his authorized representative may inspect any material at manufacturers' works and may witness routine tests as per relevant Indian Standard Specifications or other relevant specifications at manufacturers' works.

23.2 The contractor shall give in writing advance notice to the Engineer-in-charge and arrange for such inspection / presence for testing at manufacturers work. The TA/DA etc. of the departmental personnel who will be deputed to witness the tests etc. shall be borne by the Department.

23.3 The Engineer-in-charge or his authorized representatives shall have, at all the reasonable times, access to the contractor's premises or works or other works where manufacturing / fabrication shall be done and shall have the power, at all reasonable times, to inspect and examine the materials and workmanship during its manufacture or fabrication.

23.4 Inspection of imported materials at foreign works shall however not be carried out by the department. These materials shall be inspected and tested at site. Manufacturers' original test certificates and document of import / shipment should be provided to the department along with the materials without which no payment should be made to the contractor.

23.5 The contractor shall arrange for all the materials and labour required in connection with inspection of equipment or for any testing to be carried out at his works / manufacturers' works or at site of installation. Notice of such inspection / presence for testing shall be given by the contractor to the Engineer-in-charge at least fifteen days in advance.

23.6 Notwithstanding approval for such tests / inspection of equipment's / components by the Engineer-in-charge or his authorized representative, the contractor shall be required to perform site tests as desired by the Engineer-in-charge and prove the correctness of ratings and performance of equipment's / components and materials supplied and / or installed by him as per contract specifications and conditions at his own cost.

23.7 The Engineer-in-charge reserves the right to reject any equipment / machinery / material should it, on tests after installation, be found not to comply with contract specifications or its performance is not satisfactory.

23.8 Final inspection and testing will be done by the Engineer-in-charge or his representative as per details to be indicated by the Engineer-in-charge.

23.9 The Engineer-In -Charge is the sole Authority to wave -off the inspection at manufacture premise/factory if necessary.

23.10 It shall be the responsibility of the contractor to get the installation inspected and passed by the local authorities concerned, as may be required by the local bye laws. The contractor will extend all help including test facilities to the representatives of the local bodies. In case the contractor fails to make desired facilities available during inspection, the department reserves the right to provide the same at the risk and cost of the contractor. The observation of the local authorities will be promptly attended by the contractor. The installation will be accepted by the department only after receiving clearance from the local bodies / fire authorities. The inspection charges leviable by the local / statutory authorities for the inspection shall however, be borne by the department.

24. COMPLETION DRAWING AND MANUAL:

In addition to the mode and form of submission of completion drawings and manuals as stipulated in the relevant CPWD Specifications for various sub-heads of E&M works, the contractor shall also submit hard copy of the completion drawings.

25. **POWER SUPPLY AND WATER SUPPLY:**

No Power & Water Supply shall be provided by the department for the purpose of execution of the E&M work, except for testing and commissioning of installations. The contractor shall make his own arrangement in this regards. The power supply for testing and commissioning will be given at one point inside the premises and the contractor shall have to make arrangement for required cabling work and switch gears for extension of the power to the required location for testing. This will be applicable to all sub-heads of E&M works.

26. WORKS TO BE DONE BY THE CONTRACTOR:

26.1 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 quantity / work or not:

26.2 Preparation of all layout, working drawings for execution of the work components and submission to the Engineer-in-charge for approval within 15 days from the scheduled date of commencement of the work.

26.3 All minor building works necessary for installation of equipment's such as making of openings in walls / floors, either of RCC or brick masonry, ~~foundation trench for fuel line and cable, making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc~~. as required.

26.4 Dismantling of brick wall, if any, for inserting / positioning / placement of equipments, Control panel / or for taking ducting / cable tray / pipes and rebuilding / making good the same to its original position / finish for the same nothing extra shall be paid by the department.

26.5 Making good all damages caused to the structure during installation and restoring the same to their original finish.

26.6 Responsibility to ensure safety of all materials against pilferage and damage till the installation is handed over to the department.

26.7 Painting of all exposed metal surfaces of equipment's and components with appropriate / approved colour as required and as desired by the Engineer – in - charge.

26.8 All electrical works including cables / wires, earthing etc as specified in Schedule of work.

26.9 Small wiring, inter-connection etc. inclusive of all materials and accessories necessary to comply with the regulations as well as proper and trouble free operation of the equipment.

26.10 Closing of the cable entry points in sub-station against seepage of water rodents etc.

27. **WORKS TO BE ARRANGED BY THE DEPARTMENT:**

The works mentioned in clause 1.6 of CPWD General Specifications for Electrical Works Part IV (Substations) 2013 and clause 1.4 of the CPWD General Specifications for Electrical Works Part – VII (DG Sets) 2013 shall be applicable except that power supply and water supply shall not be made available by the department for erection purpose but for testing purpose. The contractor has to make his own arrangement for the same.

28. DATE OF TAKING OVER OF THE INSTALLATION AND DATE OF ACCEPTANCE:

28.1 The date of taking over of the installations under any works shall be the date of taking over the same by the Client Department after necessary training for the operation and works to the entire satisfaction of the engineer-in-charge.

28.2 Subject to the guarantee clause, date of taking over the installation after stipulated period of trouble-free operation of all the E&M works shall be the date of acceptance.

29. The appointment of Arbitrator shall be governed by the relevant clause of CPWD General Condition of Contract. The condition of contracts shall be governed by GCC, CPWD.

Executive Engineer (E)
KCED-3, CPWD,
DF Block, Salt Lake, Kolkata-64.

ADDITIONAL CONDITIONS

1. The Department shall not issue any T & P and nothing extra shall be paid on account of this.
2. ~~The main contractor should engage an eligible agency having valid registration in CPWD in appropriate class under category internal & external electrical installations / appropriate class under composite category for execution of electrification work. The firm should posses' valid electrical contractor license. In case the main contractor himself meets the above criteria, he shall be allowed to execute this sub-head of work after due verification by the Engineer-in-Charge of Electrical Works~~
3. The firm shall have valid electrical license from competent authority in the name of the contractor. However, the contractors shall be allowed to participate in tender with an undertaking that they will either obtain valid electrical license at the time of execution of electrical work or associate contractors having valid electrical license of eligible class. In case of association of electrical contractor, the main contractor has to enter in agreement with the contractor associated and copy of such agreement shall be submitted to Executive Engineer in charge of E&M component. In case the main contractor intends to change the associated contractor during operation of the contract, he shall obtain prior approval of respective Engineer in charge. The new agency shall have to satisfy the laid down eligibility criteria. In case Engineer in charge of respective disciple is not satisfied with the performance of the agency, he can direct the main contractor to change the agency associated for execution of minor component and this shall be binding on the main contractor.
4. Care shall be taken by the contractor while handling and installing the various equipment's 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.
5. The tenderer shall guarantee among other things, the following vis-à-vis specifications.
   5.1. Quality, strength and performance of the materials used.
   5.2. Satisfactory operation during the maintenance period.

6. DEFECT LIABILITY PERIOD:

6.1. All the equipment's except LED luminaries, shall be guaranteed/warranted for a period of 12 Months from the date of taking over the installation by the department/client against unsatisfactory performance and / or break down due to defective design, workmanship of material. The equipment's or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-Charge in this regard shall be final.

6.2. **EXTENT OF WORK:**

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

6.2.2. 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 being undertaken.

6.2.3. Maintenance (Routine & preventive) for one year from date of completion and handing over.

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

6.4. Verification of correctness of material at Destination: All materials and equipment's supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site. The contractor shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected.

7. Materials and equipment's to be used in the work shall be inspected by the Departmental officers. Such inspection will be of following categories:

7.1. Inspection of materials/equipment's to be witnessed at the Manufacturer's premises in accordance with relevant BIS/Agreement Inspection Procedure. (ii) To receive materials at site with Manufacturer's Test Certificate(s). (iii) To inspect materials at the Authorized Dealer's Godowns to ensure delivery of genuine materials at site. (iv) To receive materials after physical inspection at site.

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

8.1. INTERPRETING SPECIFICATIONS / 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:

(i) Schedule of quantities
(ii) Commercial and Additional conditions, technical specifications for this work
(iii) General Conditions of Contract for CPWD Works
(iv) Drawings (if any approved by the Engineer-in-charge)
(v) CPWD General Specifications for electrical works
(vi) Relevant IS or any other international code in case IS code is not available.

~~8.2. Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with his tender. It will be obligatory on part of the main contractor to sign the tender documents for all the component.~~

8.3. The main agency shall be responsible for all acts of commissions and non-commissions of the electrical contractor or sub-contractor engaged by him, even with approval of department.

8.4. Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be used in the work by the contractor.

8.5. 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 rates. The part rates will be decided by the Engineer-In-Charge of the work and shall be binding on the contractor.

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

8.7. The electrical Contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-charge and will comply with the remarks therein.

8.8. The contractor shall make his own arrangement at his own cost for electrical / General Tools and plants required for the work.

8.9. The connections, inter-connections, earthing and inter-earthing shall be done by the contractor wherever required to be done for energization of the installation and nothing extra shall be paid on this account.

8.10. The contractor must be able to work on concrete slabs / walls as and when required and in complete co-ordination 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 chase to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface cannot be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.

(i) The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed

(ii) The rupturing capacity of the MCB's shall be minimum 10 KA. The MCB's shall have ISI marked.

(iii) All the MCCBs shall be rated for Ics=Icu

(iv) The copper wire to be used on this work shall be FRLS type.

(v) Make of MCB/MCCB shall be the same as the make of MCB DB.

(vi) The Electrical works shall be carried out by the contractor, side by side with the progress of the civil works.

8.11. The Contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchase of Wires, MCBs, MCBDB, Fittings, accessories and other items, from the manufacturers authorized outlets.

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

8.13. All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB s. No payment for these loose wires shall be made. However, wires within the cubicle panel will be measured and paid under relevant item of work.

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

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

~~8.16. All MS pulling box cover should be of phenolic laminated sheet of thickness not less than 3mm and for which nothing extra shall be paid on the account.~~

8.17. All sub-main shall be terminated in the main board with suitable copper lugs and thimbles for which nothing extra will be paid on this account.

8.18. All hardware items such as screws, 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.

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

8.20. 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.

8.21. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the E-in-C.

8.22. Materials to be used in work are to be ISI marked wherever applicable. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. For items for which acceptable makes are not mentioned in the tender document, Engineer-In-Charge shall decide the make before bringing the material to the site by the contractor. The materials to be used in the work shall be got approved by the Engineer in Charge / his representative before its use at site. The E-in-C shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not acceptable.

8.23. Quantity of various items as specified in tender document may changes during construction stage as per site condition / clients requirement, the successful bidder is advised to verify the actual requirement of items including fittings, fixtures before bringing the material to the site.

8.24. In case the same item(s) appear more than once in the schedule of work / BOQ under the same sub head or among the different subhead of works, the lowest rate quoted for that item (s) shall be considered for the particular item(s) wherever appeared in any part of BOQ/ Schedule of works for the purpose of tender evaluation although web generated e-price bid may incorporate different quoted rate for same item(s) as per the quoting pattern of the tenderer. The tendered amount thus worked out shall be final & shall be binding on the contractor.

8.25. All statutory deductions like WCT, Labour welfare cess etc. shall be made from the bills.

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

9. Commissioning on Completion: After Completion of the work, it shall be ensured that the installation is tested and commissioned.

10. COMPLETION PLAN AND COMPLETION CERTIFICATE :

10.1. For all works completion certificate after completion of work shall be submitted to the Engineer-in-charge. (ii)Completion plan drawn to a suitable scale in tracing cloth with ink indicating the following, along with three blue print copies of the same shall also be submitted. General layout of the building. (b) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.(c)Position of all points and their controls.(d)Types of fittings, viz. fluorescent,T5, LED light, pendants, brackets, bulk head, fans and exhaust fans etc.(e)Name of work, job number, accepted tender reference, actual date of completion, names of Division/Sub-Division, and name of the firm who executed the work with their signature.

10.2. **The contractor shall submit the completion plan separately in triplicate as per the contract within 30 days 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.**

11. EARTHING :

11.1. This section covers the general requirements of the earthing system for Sub-station installation & Protection of building against lightning.

11.1.1. Earthing system shall comprise earth electrodes in accordance with clause 8.2.1 of General specifications for Elect. Works (part I Internal) 2013. For every additional transformer 2 more separate and distinct earth electrodes shall be provided for neutral earthing. The body earthing for transformers, HV & MV panels shall be done to a common earth bus connected to two separate and distinct earth electrodes. For a two transformer sub- station total number of earth electrodes shall be 6 (4 for neutral earthing, two each for two transformers, and 2 for connection to a common earth bus for body earthing)

11.2. ELECTRODES

11.2.1. The earth electrodes shall be as per CPWD General Specifications for Electrical Works (Part I Internal) 2013.

11.3. LOCATION OF EAFRTH ELECTRODES

11.3.1. Normally an earth electrode shall not be situated less than 1.5m from any building. Care shall be taken that the excavation of earth electrode may not affect the column footings or foundation of the building. In such cases electrodes may be farther away from the building. The location of the electrode earth will be a place where the soil has reasonable chance of remaining moist. As far as possible, entrances, pavements and road ways, are to be definitely avoided for locating the earth electrode.

11.4. WATERING ARRANGEMENT

11.4.1. Method of watering arrangement shall comply with CPWD general specifications.

11.5. INSTALLATION

11.5.1. All joints shall be riveted and sweated. Joints in the earth bar shall be bolted and the joints faces tinned. Where the diameter of the bolt for connecting earth bar to apparatus exceeds one quarter of the width of the earth bar, the connection to the bolt shall be made with a wider piece of flange of copper jointed to earth bar. These shall be tinned at the point of connection to equipment and special care taken to ensure a permanent low resistance contact to iron or steel. All steel bolts, nuts, washers etc. shall be cadmium plated, main earth bars shall be spaced sufficiently on the surface to which they are fixed such as walls or the side trenches to allow for ease of connections. Copper earthing shall not be fixed by ferrous fittings. The earthing shall suitably be protected from mechanical injury by galvanized pipe wherever it passes through wall and floor. The portion within ground shall be buried at least 60 cm deep. The earthing lead shall be securely bolted and soldered to plate or pipe as the case may be. In the case of plate earthing the lead shall be connected by means of a cable socket with two bolts and nuts. All washers shall be of the same materials as the plate or pipe. All iron bolts nuts and washers shall be galvanized.

11.5.2. Earthing system shall comprise earth electrodes in accordance with clause 8.2. of General Specifications for electrical works (Part I internal) 2013. Normally an earth electrode shall not be situated less than 1.5 m from any building. GI Pipe electrode shall be used for earthing of internal electrical installations like DB, Meter Board, Feeder Pillars & Poles etc. GI plate electrode shall be used for firefighting pumps, water supply pumps, lightning conductors. Separate earth electrodes shall be provided for lightning arrestor / lightning conductors.

11.6. **TESTING**

11.6.1. After installation, the performance testing for all the equipment shall be carried out in presence of Engineer-in- charge or his authorize representative and results to be submitted to the department.

11.6.2. Selection of Type of Electrodes

11.6.3. Following are general guidelines for the selection of the type of electrodes.

11.6.4. Number of Earth Electrodes.

11.6.5. In all cases, relevant provisions of Rules 33, 61 and 67 of the Indian Electricity Rules, 1956 as amended, shall be complied with.

11.6.6. Non-current carrying metal parts of all apparatus utilizing power supply at voltage exceeding 250 volts shall be earthed by two separate and distinct connections to the earth bus, or to two separate and distinct earthing sets.

~~12. **CONDITIONS FOR Repairing of Pumps:**~~

~~12.1. The work shall be carried out as per entire satisfaction of Engineer-in-charge or his authorized representative.~~

~~12.2. During repairing of pumps the Agency has to inform the Engineer-in-charge or his representative for inspection at workshop.~~

~~12.3. The agency has to submit undertaking for warranty of repaired pumps at least 1 (one) year.~~

~~12.4. Bill will be paid after 15 days trial run along with report / log sheet of the repaired installed pumps.~~

13. **Power Supply & Water Supply**: **No Power & Water Supply shall be provided by the department** for the purpose of execution of the E & M work, except for testing and commissioning of installations. The Contractor shall make his own arrangements in this regard. The power supply for testing and commissioning will be given at one point inside the premises, thereafter the contractor shall arrange further distribution of power as per his requirement. Nothing shall be paid extra on this account.
14. The Agencies are requested to visit the site before quoting the rates.
15. No T & P shall be issued by the department.
16. **The measurement shall be done in ~~EMB~~ / CMB as per provision to Clause -6 of GCC-2023.**
17. **Deduction shall be made from the contractors' bill as applicable.**
18. Minimum wages as per Govt. approved rates issued by Chief Labour Commission, Ministry of Labour & Employment as issued in time to time manner has to be paid to the staff. Difference of wages due to increase of minimum wages (if any) which are to be paid to the staff will be reimbursed to the agency by the department on production of proof of payment.
19. At present labour rate is as per Govt. of India, Ministry of Labour O/o Director General, Labour Bureau File No. 6/1/2026-VDA Dated 30.09.2026, Highly Skilled @ Rs. 1111.00 per day, Skilled @ Rs.1024.00 per day, Semi-Skilled @ Rs. 933.00 per day and Un-Skilled @ Rs. 840.00 per day is consider in the estimated cost.
20. Contractor shall pay, principle employer contribution, on account of ESIC & EPF every month and same shall be reimbursed on production of proof of payment by the department.
21. Monthly ESIC and EPFO contribution on both part (employee and employer) shall be deposited within due date i.e. 15th of every month. The contractor must deposit and file their return on or before the due date. Failing which engineer-in-charge will take action against the contractor for his default.
22. The contractor should give the proof of deposit of provident fund and ESIC contribution to the respective authorities.
23. The agency shall have to pay minimum wages as per rule with in 7th day of every month and comply with all the provisions of the clauses mentioned in the agreement in this regard. This has to be treated as mandatory. Numbers for working days for any Skilled / Un-skilled staff shall not be more than 26 days in a month and restricted to 1 (one) shift per day.

24. The payment of wages to the workers shall be made through bank or ECS or Online transfer to his bank account.
25. The agency has to follow all labour laws of the country in force. If any labour claim is received regarding the work, it will be borne by the agency as no labour complain will be accepted by the department.
26. The agency should maintain register at site from which the deployment of workers and their presence can be verified by the Engineer-in-charge or his authorised representatives.
27. The service shall generally be required only during normal office hours. However, if the services are required beyond normal office hours, the contractor shall provide the necessary manpower without claiming any additional payment from the Department. The contractor may in consultation with the Engineer-in-Charge / Assistant Engineer (Electrical), adjust or reschedule the duty timings of the staff to meet such requirements.
28. In case of emergency beyond duty hours, if any fault occurs, the agency shall have to attend / rectify the same for which no additional payment will be made by the department**.**
29. Complaint Register shall be maintained for day to day maintenance work, which are to be verified from client department. The same shall be submitted to sub-division office during submission of bill.
30. Log books are to record the reading such as current, voltage, operating periods etc. Maintenance register should indicate actual compliance to the schedule item wise. Major repairs or replacement should be recorded in the History Book.
31. Any damaged to the equipments and structure due to negligence shall have to be got repaired by the agency at his cost. The decision of the Engineer -in-charge is final and binding in this regard.
32. This is purely service contract and the persons employed by the contractor are his own employees and they will have no claim for right to employment in the department.
33. After the work is awarded the contractor would be required to furnish the name, Father's name, qualifications, local address of the staff and antic of the staff proposed to be employed by him for the job.
34. The department (CPWD) shall not have any responsibility or liability in case of any accidental consequences to the personnel of the contractor at work site or to the general public at the work site. The responsibilities and liabilities for such events shall be borne by the contractor.
35. Any damaged to the equipments and structure due to negligence shall have to be got repaired by the agency at his cost. The decision of the Engineer -in-charge is final and binding in this regard.
36. The contract may be terminated at any time without assigning any reason for the interest of Govt. works.
37. The firms has to maintain one First Aid Kit Box with require medicine etc. which is to the verify by the Engineer-in-charge or his authorise representatives in regular basis failing which penal recovery will be made from bill.

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ADDITIONAL CONDITIONS FOR INTERNAL EI ELECTRICAL WORKS

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

1.1 The main contractor should engage an eligible agency having valid registration in CPWD in appropriate class under category internal & external electrical installations / appropriate class under composite category for execution of electrification work. The firm should posses' valid electrical contractor license. In case the main contractor himself meets the above criteria, he shall be allowed to execute this sub-head of work after due verification by the Engineer-in-Charge of Electrical Works

Care shall be taken by the contractor while handling and installing the various equipment 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.

1.2 The tenderer shall guarantee among other things, the following vis-à-vis specifications.

a.) Quality, strength and performance of the materials used.

b.) Satisfactory operation during the maintenance period.

1.3 DEFECT LIABILITY PERIOD:

All the equipment shall be guaranteed for a period of minimum 12 Months from the date of taking over the installation by the department against unsatisfactory performance or break down due to defective design, workmanship of material. The equipment or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-Charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-Charge in this regard shall be final.

1.4 EXTENT OF WORK:

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

1.4.2 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.

1.4.3 Maintenance (Routine & preventive) for one year from date of completion and handing over.

1.5 Cooperation with other agencies:

The successful tender shall co-ordinate with other contractors and agencies engaged in the construction of the building and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any existing portion of the building has to be dismantled and re-done for want of

cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. Water proofing of pits shall not be damaged under any circumstances.

1.6 Verification of correctness of material at Destination:

All materials and equipment supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site. The contractor shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected.

(a) Materials and equipment to be used in the work shall be inspected by the Departmental officers. Such inspection will be of following categories:

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

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

1.7 INTERPRETING SPECIFICATIONS / 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, technical specifications for this work

c) General Conditions of Contract for CPWD Works

d) Drawings (if any approved by the Engineer-in-charge)

e) CPWD General Specifications for electrical works

f) Relevant IS or any other International code in case IS code is not available.

~~1.8 Executive Engineer (Elect.) shall be the Engineer in Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with his tender. It will be obligatory on part of the main contractor to sign the tender documents for all the component.~~

1.9 The main agency shall be responsible for all acts of commissions and non-commissions of the electrical contractor or sub-contractor engaged by him, even with approval of department.

1.10 Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be used in the work by the contractor.

1.11 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.

1.12 **Payment terms**: On account payments for part work as assessed by the Engineer – in-charge for the applicable items in the Contract shall be payable at part rates not exceeding the percentage indicated against the stages of work mentioned below :

S. no.	***Stage of work***	Percentage allowed
i	On Supply of Materials.	70 %
ii	On Installation of Materials.	20%
iii	On completion of testing	*5 %*
iv	On Final Commissioning.	*5 %*

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

The agency shall have to submit warranty certificate for electrical equipment as per list below along with LM 79/LM 80 report for LED light fittings from the OEM.

Sl.No	Description of item	Warranty/Guarantee after handing over to Department/Client
1	LED luminaries	5 years
2.	PCB of Air condition unit	3 years
3.	All other item	1 year

Security Deposit shall be released after one year except LED light fittings, Split Type Air Conditioner which shall be released on year wise basis as follows:

Sl. No	Description of item	Condition of Withheld
1	LED luminaries	5% of tendered value for total used LED luminaries to be withheld as security till completion of warranty period.
2	PCB of Air condition unit	5% of tendered value for total used Split Type Air Conditioner to be withheld as security till completion of warranty period.

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

1.14 The Associated electrical Contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-charge and will comply with the remarks therein.

1.15 The contractor shall make his own arrangement at his own cost for electrical / General Tools and plants required for the work.

1.16 The connections, inter-connections, earthing and inter-earthing shall be done by the contractor wherever required to be done for energization of the installation and nothing extra shall be paid on this account.

1.17 The contractor must be able to work on concrete slabs / walls as and when required and in complete co-ordination 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 chase to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface cannot be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.

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

1.19 The rupturing capacity of the MCB's shall be 10 KA. The MCB's shall have ISI marked.

1.20 All the MCCBs shall be rated for Ics=Icu

1.21 The copper wire to be used on this work shall be FRLS type.

1.22 Make of MCB/MCCB shall be the same as the make of MCB DB.

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

1.24 Modular GI switch boxes should be 1.2 mm thick, for Power wiring 3x4 sq. mm shall be drawn in 25 sq. mm conduit and 6x4 sq. mm shall be drawn in 32 mm conduit.

1.25 The Contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchase of Wires, MCBs, MCBDB, Fittings, accessories and other items, from the manufacturers authorized outlets.

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

1.27 All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB s. No payment for these loose wires shall be made. However, wires/Cables within the cubicle panel will be measured and paid under relevant item of work.

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

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

1.30 All MS pulling box cover should be of phenolic laminated sheet of thickness not less than 3mm and for which nothing extra shall be paid on the account.

1.31 All sub-main shall be terminated in the main board with suitable copper lugs and thimbles for which nothing extra will be paid on this account.

1.32 All hardware items such as screws, 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.

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

1.34 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.

1.34 While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the E-in-C.

1.35 Materials to be used in work are to be ISI marked wherever applicable. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. For items for which acceptable makes are not mentioned in the tender document, Engineer-In-Charge shall decide the make before bringing the material to the site by the contractor. The materials to be used in the work shall be got approved by the Engineer in Charge / his representative before its use at site. The E-in-C shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not acceptable.

1.36 Quantity of various items as specified in tender document may changes during construction stage as per site condition / clients requirement, the successful bidder is advised to verify the actual requirement of items including fittings, fixtures before bringing the material to the site.

1.37 In case the same item(s) appear more than once in the schedule of work / BOQ under the same sub head or among the different subhead of works, the lowest rate quoted for that item (s) shall be considered for the particular item(s) wherever appeared in any part of BOQ/ Schedule of works for the purpose of tender evaluation although web generated e-price bid may incorporate different quoted rate for same item(s) as per the quoting pattern of the tenderer. The tendered amount thus worked out shall be final & shall be binding on the contractor.

1.38 All statutory deductions like WCT, Labour welfare cess etc. shall be made from the bills.

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

1.40 Commissioning on Completion: After Completion of the work, it shall be ensured that the installation is tested and commissioned.

2 Completion Plan and Completion Certificate:
For all works completion certificate after completion of work shall be submitted to the Engineer-in-charge.

3 **The contractor shall submit the completion plan separately in triplicate within 30 days 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 `25,000.00.**

4 Wiring System

(i) Wiring shall be done only by the looping system. Phase/live conductors shall be looped at the switch box. For point wiring, neutral wire/earth wire looping for the1st point shall be done in the switch box; and neutral/earth looping of subsequent points will be made from point outlets.

(ii) In wiring, no joints in wiring will be permitted anywhere, except in switch box or point outlets, where jointing of wires will be allowed with use of suitable connector.

(iii) The wiring throughout the installation shall be such that there is no break in the neutral wire except in the form of linked switchgear.

(iv) Light, fans and call bells shall be wired in the 'lighting' circuits. 15A/16A socket outlets and other power outlets shall be wired in the 'power' circuits. 5A/6A socket outlets shall also be wired in the 'power' circuit

(v) Colour Coding Following colour coding shall be followed in wiring:
Phase: Red/Yellow/Blue. (Three phase wiring)
Live: Red (Single phase wiring) Neutral: Black
Earth: Yellow/Green.

5 The work shall in general be carried out as per:

GENERAL SPECIFICATIONS FOR ELECTRICAL WORKS PART-I INTERNAL 2023 amended up to date.

GENERAL SPECIFICATIONS FOR ELECTRICAL WORKS PART-II EXTERNAL 2023

6 **For Power wiring 3x4 sq. mm shall be drawn in 25 sq. mm conduit and 6x4 sq. mm shall be drawn in 32/40 mm conduit.**

7 **Release of Performance Guarantee and Security Deposit:**
Security deposit shall be released after completion of defect liability and Labour Clearance issued by the Competent Authority and Performance Guarantee shall be released after successful completion of work.

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LIST OF PREFERRED MAKES

Name of Work: - Construction of 1 No 360 men barrack (G+7), 1 No Pump House, 1 No Substation Building including internal water supply, sanitary installation, drainage development work and E&M works for CRPF at New Town, Rajarhat, Kolkata. (SH :- Shifting & servicing of terrace pump, jockey pump, main pump from store to pump house and installation of the same at pump house and allied plumbing and electrical work.)

Preferred makes of materials to be used in the work are as under. In case of non-availability of these makes, the Engineer-in-charge may allow use of alternative BIS makes of materials in the work. Non-BIS marked materials may be permitted by the Engineer-in-charge.

Sl. No	Description of item	Make
1	PVC Insulated Copper Wire ISI Marked	KEI/ Polycab/ Finolex/ Havells/ RR Kable
2	PVC Conduit ISI marked	BEC/Precession/Anchor/AKG
3	MCB DB, MCB's, Isolators, Industrial Socket, MCCB etc i/c Accessories:	Legrand / Hager / Schneider / ABB / Havells / Lauritz Knudsen(L&T).
4	LED Post Top Lantern Fittings/luminaries /LED Fitting	Philips/ Havells/Crompton/ Bajaj
5	Wall Mounted Fan/BLDC Ceiling Fan	Havells/ Crompton/ Usha/ Bajaj/ Atomberg/ Polar/Orient
6	Modular Switch, Socket,(ISI Marked), 2 Step type Electronic Fan Regulator, Blanking plate, GI box (1.2 mm thick). (Switch, Socket, Fan Regulator, Blanking plate and GI box are same make)	Legrand (Myrius)/ Schinder (Unika Pure) / ABB(IVIE)/Cabtree (Murano)/ North West
7	SMC Pole Box	Syntex / Hancel / Honeywell
8	PVC Trunking	MK / Legrand / Ovio
9	Armoured Power Cable of 1.1 KV grade ISI marked	KEI/Polycab/Havells/ R R Kabel
10	GI Pipe (Medium Class) ISI marked	TATA/Utkarsh/Jindal
11	DWC HDPE pipe ISI marked	Astral/ Supreme/ Alom/ REX/ Duraplast/ Tirupati
12	MS Pipe (Heavy) ISI Marked	TATA/ SAIL/ Jindal Hissar
13	Valves	Zoloto/ SANT/ HM /Leader / Carter
14	Fire Fighting accessories	Life guard/ OMEX/ NEWAGE/ HB
15	Any Other Item not mentioned in Make List	Approved by Engineer in Charge

All fitting shall have ISI marked on its body wherever applicable.

Note: NIT authority reserves the right to add or delete any materials and Brands in the list of approved materials/brands. Unless otherwise specified in the tender document, all the materials which are ISI marked shall be used in the work and if the ISI marked materials are not available, materials confirming to ISI shall be used, and for materials which are neither BIS marked nor confirm to BIS, the manufacturers specification shall be used with prior approval of Engineer-in-charge.

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