

TABLE-1**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

O/o Executive Engineer (E.), Nagpur Central Elect. Division, C.P.W.D., Nagpur

Notice Inviting Tender

NIT NO. :- 86/EE(E)/NED/2026-27

NAME OF WORK: Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27.Sub Head:- Operation & Maintenance of E & M installation..

ESTIMATED COST: Rs.10,87,698/-

EARNEST MONEY: Rs.21,754 /-

TIME ALLOWED: 12 (Twelve months)

**Certified that this NIT contains 01 to pages
NIT Approved for Rs.10,87,698/-**

**Assistant Engineer (E) P.
NED, CPWD, Nagpur**

**Executive Engineer (E)
NED, CPWD, Nagpur**

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

The Executive Engineer (E), Nagpur Central Elect. Division, CPWD, Nagpur (MH) (Phone no. 0712-2510368, 2511613 / Fax no. 2510368 / email: eeenced_ngp@yahoo.com) on behalf of The President of India invites online Percentage Rate tenders in single bid system from approved and eligible contractors in Building & Road (B&R) Category (Earstwhile Composite) in appropriate class of C.P.W.D. (For class – III, IV and V contractor whose enlisting is issued by SDG, Mumbai and ADG, Bhopal are only eligible) for the following work (s):

S. No.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of Bid, original EMD, Copy of receipt for deposition of original EMD, and other documents as specified.	Time & date of opening of bid
1	2	3	4	5	6	7	8
1	86/EE(E)/NED/CPWD/2026-27	Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27. Sub Head :- Operation & Maintenance of E & M installation.	Rs. 10,87,698/-	Rs. 21,754/-	12 Months	12/08/2026 upto 03.00 PM	12/08/2026 at 03.30 PM

1. The contractor submitting the tender should read the schedule of quantities, additional conditions, additional specifications, particular specifications, CPWD- 6 and other terms and conditions given in the NIT and drawings. The bidder should also read the General Conditions of Contract for CPWD Works 2023 with up to date correction slips, which is available as Government of India Publications; however, provisions included in the tender document shall prevail over the provisions contained in the standard form. The set of drawings and NIT shall be available in the office of **Executive Engineer (E.), Nagpur Central Elect. Division, CPWD, Nagpur**. The contractor should also visit the site of work and acquaint himself with the site conditions before tendering. He should only submit his tender if he considers himself eligible and he is in possession of all the required documents. The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while submitting the tender online. They are requested to comply following instructions.
 - a) Tenders with any condition including that of conditional rebates shall be rejected forthwith.
 - b) **The successful bidder shall be required to submit a Performance Guarantee of**
 - i) **5% (Five Percent) of the tendered amount or Estimated Cost put to Tender (ECPT) (Whichever is higher).**
 - ii) **Where the tendered amount is less then eighty percent (80%) of the estimated cost put to tender (ECPT), The performance Guarantee, in addition to the requirement under (i) above, shall be increased by an amount equal to the difference between eight percent (80%) of the ECPT and the tendered amount within 7 days of issue of letter of intent. This period can be further extended by Engineer-in-Charge up to a maximum period of 3 days on the written request of the contractor and with late fee as defined in Schedule F.**
 - c) GST and Labour-Cess etc. as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes and hence their quoted rates should be inclusive of all the tax components.

- d) It will be obligatory on part of the Contractor/ Bidder to tender for and sign the tender documents for all the component parts. The department reserves right to accept tender in full or in part without assigning any reasons.
2. 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.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of opening of bid is extended, the enlistment of contractor should be valid on the original date of opening of tender.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen in the office of **Executive Engineer (E.), Nagpur Central Elect. Division, CPWD, Nagpur** on all working days between 11.00 AM to 4.00 PM except Sunday and public holidays and downloaded from website <https://etender.cpwd.gov.in> free of cost.
6. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.
7. The bids will be submitted upto **3.00 PM on 12/08/2026**. The bid shall be opened at 3:30 PM on **12/08/2026**.
8. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
9. The intending bidder must have valid class-III digital signature to submit the bid.
10. The Contractor can deposit original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission of receiving division office is situated). The contractor shall obtain the receipt of EMD from the concerned Executive Engineer in the prescribed format uploaded by NIT issuing Executive Engineer. The bid document as uploaded can be viewed and downloaded free of cost by anyone including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft or Bankers Cheque or Fixed Deposit Receipts or / and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of respective Executive Engineer, copy of receipt of original EMD and other documents specified on the website.
11. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.
12. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the EE/AAO/AE(P).
13. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
14. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (<https://etender.cpwd.gov.in>) free view> advance search> awarded tenders) that the particular contractor is not L-1 tenderer and work is awarded.
15. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.
16. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
17. Contractor can upload documents in the form of JPG format and PDF format.

18. 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).
19. The required documents meeting the criteria to qualify as "approved and eligible contractors of CPWD" along with other documents as mentioned under para "List of Documents to be scanned and uploaded within the period of bid submission" below, as uploaded by the agency and hard copies received subsequently shall be checked. The financial bid of only those agencies shall be opened who are found to be eligible agencies, as per this NIT.
20. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
21. The letter of award shall be issued to lowest bidder only on receipt of copy of Labour license, Registration with EPFO, ESIC, BOCW Welfare Board and PF Nos. or submitting the proof of applying for these thereof along with P.G.

Assistant Engineer (E) P.
NED, CPWD, Nagpur

Executive Engineer (E)
NED, CPWD, Nagpur

The following prescribed format of receipt of deposition of original EMD along with NIT shall be followed:

Receipt of deposition of original EMD		
	Receipt No.:.....	Date:.....
1.	Name of work:	Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27. Sub Head :- Operation & Maintenance of E & M installation.
2.	NIT No.:	86/ EE(E)/NED/2026-27
3.	Estimated cost:	Rs.10,87,698/-
4.	Amount of Earnest Money Deposit:	Rs. 21,754/-
5.	Last date of submission of bid:	Upto -3.00 PM on 12/08/2026
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/ AAO/AE(P)/AE) along with office stamp	

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

- I. Insurance Surety Bond/ Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.
- II. Copy of receipt of deposition of original EMD issued from division office of any Executive Engineer, CPWD (including NIT issuing EE)
- III. Enlistment Order of the Contractor in appropriate class of B & R category in CPWD.

As per OM No. DG/Enlist Rules 2026/Misc/01 dated 31-12-2025.

a. The enlisted contractors of class-II and above can tender within their tendering limit for works all over the country irrespective of jurisdiction of the enlisting authority. The tendering limit is uniform all over India. Enlisted contractors of class-III, IV and V can tender within their tendering limit for works in the region of enlisting authority only. Enlisted contractors of class-III, IV and V can participate in tenders within the jurisdiction as detailed in table-9 as per their tendering limit for CPWD works, or as amended from time to time. Enlisted contractors of any class shall also have to meet the other requirements of eligibility as per NIT for Class-III, IV and V enlisted only.

b. Table 9 :-

Table 9: Tendering jurisdiction and Enlisting authorities for Buildings & Roads category contractors of class III, IV and V and Horticulture category contractors of class III and IV:

Sl. No.	Region	Enlisting authority	Tendering Jurisdiction
1.	NR	SDG(Chandigarh), ADG(Chandigarh), ADG(Lucknow), ADG(Jammu), ADG(DR) and ADG(PRD)	Punjab, Chandigarh, Rajasthan, Haryana, Uttarakhand, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Leh & Ladakh and Delhi
2.	SR	SDG(Chennai), ADG(Kochi), ADG(Bengaluru) and ADG(Hyderabad)	Tamil Nadu, Andaman & Nicobar, Puducherry, Kerala, Karnataka, Lakshadweep, Andhra Pradesh, and Telangana
3.	ER	SDG(Kolkata), ADG(Patna) and ADG(Guwahati)	West Bengal, Sikkim, Odisha, Bihar, Jharkhand, Assam, Arunachal Pradesh, Tripura, Nagaland, Meghalaya, Mizoram and Manipur.
4.	WR	SDG(Mumbai) and ADG(Bhopal)	Maharashtra, Goa, Daman and Diu, Gujarat, Madhya Pradesh and Chhattisgarh

- IV. GST Registration Certificate if already obtained by the bidder.
If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents.
"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".
- V. Valid Electrical contractor licence OR undertaking that they will either obtain valid electrical licence at the time of execution of electrical work or associate contractor having valid electrical licence of appropriate class.
- VI. The bidder does upload compulsory ERP training certificate from any CPWD Regional Training Institute (RTIs) and Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD. Attach – ERP training workshop certificate.
- VII. Any other document as specified in the NIT.
- VIII. Valid EPF & ESIC registration.

**Assistant Engineer (E) P.
NED, CPWD, Nagpur**

**Executive Engineer (E)
NED, CPWD, Nagpur**

CPWD-6 FOR e-TENDERING

1. Online Percentage Rate tenders are invited on behalf of President of India from approved and eligible contractors in Building & Road (B&R) Category (Earstwhile Composite) for the work of **Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27. Sub Head :- Operation & Maintenance of E & M installation..**

- 1.1 The work is estimated to cost **Rs.10,87,698/-**. This estimate, however, is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.
For composite bids, besides indicating the combined estimated cost put to bid, should clearly indicates the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidder on prescribed Form No. CPWD 7 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **12 Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available. : YES
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions Of Contract Form can be seen from website <https://etender.cpwd.gov.in/> in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipts, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank (drawn in favour of **Executive Engineer (E), Nagpur Central Electrical Division, CPWD, Nagpur**) shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.
This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time. (Modified vide OM No.D G/MAN/328. Dtd. 04.01.2016).
A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance can be accepted in the form of Bank Guarantee issued by a Commercial Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of tender submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened on **12/08/2026 at 03.30 PM.**

10. The bid submitted shall become invalid if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
 - (iii) The bidder does not upload all the documents (including GST Registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - (iv) If any discrepancy is noticed between the document as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority. (Modified vide OM No. DG/MAN/328 Dtd. 04.01.2016).
 - (v) If a tenderer quotes 'Nil' rates against each item in Percentage rate tender or does not quote any percentage above/below on the total amount of the tender or any section/ subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt of Bank Guarantee from any of the Commercial Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule "F". Including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The Earnest Money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.
The contractor whose bid is accepted will also be required to furnish either copy of applicable licences/ registrations or proof of applying for obtaining labour licences, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work and programme Chart (Time & Progress) within the period specified in Schedule F.
12. The description of the work is as follows :-
Intending Bidders 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 bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any

breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bids in case of single bid system/ ~~Sixty (60) days from the date of opening of technical bids in case bids are invited on 2 or 3 bid/envelope system~~ (strike out as the case may be). If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modification in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work. (Modified Vide OM No. - DG/CON/293 dated 01.07.2016).
19. This notice inviting Tender shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 8 or other Standard C.P.W.D. Form as applicable.
20. Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main contractor. The EMB shall be maintained through ERP independently by Engineer-in-Charge of major and minor components.
21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (**Phone no. 0712-2510368, 2511613 / Fax no. 2510368 / email: eeenced_ngp@yahoo.com**) or ERP helpline no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

**Assistant Engineer (E) P.
NED, CPWD, Nagpur**

**Executive Engineer (E)
NED, CPWD, Nagpur**

**CPWD-7 GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

Percentage Rate Tender & Contract for Works

1. Tender for the work of Maintenance of **Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27. Sub Head :- Operation & Maintenance of E & M installation.**
 - (i) To be uploaded by 15:00 hours on **12/08/2026** to Executive Engineer (E), NCED, CPWD, Nagpur.
 - (ii) To be opened in presence of tenderers who may be present at 15:30 hours on **12/08/2026** in the office of Executive Engineer (E), NCED, CPWD, Nagpur.

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.

We agree to keep the tender open for **Thirty (30)** days from the date of opening of bids in case of single bid system/ ~~Sixty (60) days from the date of opening of technical bids in case bids are invited on 2 or 3 bid/envelope system~~ (strike out as the case may be) and not to make any modification in the terms and conditions.

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

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipts, Banker's cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank is scanned and uploaded (strike out as the case may be). I/We if fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be 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 therefrom to any person other than a person to whom I/We, am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated

Signature of the Contractor

Postal Address

Telephone No.

Witness:

FAX

Address:

E-MAIL

Occupation:

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

Signature.....

Dated

Designation.....

SCHEDULES**SCHEDULE 'A'**

Schedule of quantities (enclosed)

As per Schedule of work attached.

SCHEDULE 'B'

Schedule of materials to be issued to the contractor:

S.No.	Description of item	Qty.	Rates in figures & words at which the material will be charged to the contractor.	Place of issue
1	2	3	4	5
----- NIL -----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor:

S. No.	Description	Hire charges per day	Place of issue
1	2	3	4
----- NIL -----			

SCHEDULE 'D'

Extra schedule for specific requirements / : Additional specifications documents for the work, if any.

SCHEDULE 'E'

Reference to General Conditions of contract	:	Applicable GCC is GCC Maintenance Works 2023 as modified and corrected upto pervious day of the till last date of submission of tender.
Name of work	:	Maintenance of E & M Installation at IBM Pilot Plant, MIDC ,Nagpur During Year 2026-27.Sub Head :- Operation & Maintenance of E & M installation.
Estimated cost of work	:	Rs.10,87,698/-
(i) Earnest money	:	Rs.21,754/- (To be returned after receiving performance guarantee)
(ii) Performance Guarantee	:	(a) 5% (Five Percent) of the tendered amount or Estimated Cost put to Tender (ECPT) (Whichever is higher). b) Where the tendered amount is less then eighty percent (80%) of the estimated cost put to tender (ECPT), The performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eight percent (80%) of the ECPT and the tendered amount.tendered amount.
(iii) Security deposit	:	2.5% of tendered Value

SCHEDULE 'F':-

General Rules & Directions: -

Officer inviting tender:	:	Executive Engineer (E), NCED, CPWD, Nagpur
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Definitions:

2 (v) Engineer-in-Charge	:	Executive Engineer (E), NCED, CPWD, Nagpur
2 (viii) Accepting Authority	:	Executive Engineer (E), NCED, CPWD, Nagpur
2 (x) Percentage on cost of materials and labour to cover all overheads and profits.	:	15 %
2 (xi) Standard schedule of Rates	:	Based on DSR 2025 / Market Rates
2 (xii) Department	:	CPWD
9 (ii) Standard CPWD contract form	:	CPWD form 7 (Percentage rate) as modified and corrected upto date.

Clause 1

Time allowed for submission of Performance Guarantee, Programme 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.	:	07 days
Maximum allowable extension with late fee 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above.	:	03 days

Clause 2

Authority for fixing compensation under clause – 2	:	Chief Engineer, CPWD, Nagpur
--	---	-------------------------------------

Clause 2A

Applicable Clause 2/ Clause 2A : Clause 2A

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start : 10 Days

Note:- Levy of compensation under clause-2/2A will be granted by the **Chief Engineer, CPWD, Nagpur**

MILE STONE (S) AS PER TABLE GIVEN BELOW
Table of Milestone (s)

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	% Amount of tendered cost to be with-held in case of non achievement of milestone
---NIL---			

Time allowed for execution of work : **12 Months**

Authority to decide:

1. Authority to convey the decision of shifting of milestone and extension of time.	:	Engineer-in-Charge or Engineer-in-Charge of Major Component in case of composite contracts as the case may be
2. Authority to decide rescheduling of milestone and extension of time	:	Chief Engineer, CPWD, Nagpur or his successor thereof.
3. Shifting of date of start in case of delay in handing over of site.	:	Chief Engineer, CPWD, Nagpur or his successor thereof.

Clause 5 :-

Applicable Clause 5/ Clause 5A : 5A

Clause 6 :-

Mode of Measurement : Electronic Measurement Book (EMB)

Clause 7 :-

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment. **25% of ECPT or reasonable part thereof to facilitate progress of work**

Clause 7 A:-

Whether Clause 7A shall be applicable. : Yes, applicable

Clause 10A :-

List of testing equipment to be provided by the contractor at site lab. : As per requirement at site & as per direction of Engineer-in-Charge.

Clause 10 – B(ii) :-

Whether clause 10-B(ii) shall be applicable : Not Applicable

Clause 10C –

Component of labour expressed as percent of value of work : Applicable
85%

Clause 10CC :-

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding 12 months period. : Not Applicable

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

Component of civil (Except materials covered under clause 10 CA)/ Electrical construction materials expressed as percent of total value of work.	Xm	Not Applicable
Component of labour expressed as percent of total value of work.	Y	
Component of POL expressed as percent of total value of work.	Z	

Clause 11 :-

Specifications to be followed for execution of work : General Specifications for Electrical Work Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Sub-station) 2013 amended upto date and additional terms & conditions attached.

Clause 12 :- As per GCC 2023 amended upto date for **maintenance work.**

Clause 16 :-

Competent Authority for deciding reduced rates.

Chief Engineer, CPWD, Nagpur

Clause 18 :-

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

As required for timely execution of work

Clause 19 :-

The contractor shall obtain a valid license under the contract labour (R&A) Act, 1970 ; and the contract labour (Regulation & Abolition) Central Rules, 1971 before the Commencement of the work & continue to have a valid license until the completion of the work provisions of the inter-state Migrant Workman (Regulation of Employment and Condition of Service) Act, 1979.

Clause 19 L:-

The E.S.I. and E.P.F. Contribution on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of employer paid by the contractor shall be reimbursed by the Engineer-in-Charge to the contractor on actual basis. The applicable & eligible amount of E.P.F. and E.S.I. shall be reimbursed preferably within 07 days but not later than 30 days of submission of documentary proof of payment provided the same are in order.

Clause 25

- i) Conciliator – SDG, Mumbai
- ii) Arbitrator Appointing Authority- Chief Engineer, CPWD, Nagpur
- iii) Place of Arbitration – As decided by Arbitrator

Clause 32 :- Requirement of Technical Representative (s) and Recovery Rates

Cost of work (Rs. in Crore)	Requirement of Technical Staff		Minimum experience (Years)	Designation of technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number (Civil + Electrical)			
Upto 15 Lacs to 1.50 crore	Graduate Engineer or Diploma Engineer	1	2 or 5 Respectively	Project Manager cum Planning/ Quality/Site/building Engineer	Rs.15,000/=(Rs. Fifteen thousand only) per month per person
Upto 15 lacs	---	---	---	---	---

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

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

Clause 38 :-

- (i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of N.A printed by CPWD with upto date correction slips.

- (ii) Variations permissible on theoretical quantities:

a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs	N/A
for works with estimated cost put to tender more than Rs 5 lakh	N/A
b) Bitumen for all works.	N/A
c) Steel Reinforcement and structural steel sections for each diameter, section and category.	N/A
d) All other materials.	Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

RECOVERY ANSWER FOR QUANTITY SURVEY PERMISSIBLE VARIATION			
Sl. No	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor.	
		Excess beyond permissible variation	Less use beyond the permissible variation
-----NIL-----			

Assistant Engineer (E) P.
NED, CPWD, Nagpur

Executive Engineer (E)
NED, CPWD, Nagpur

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 (name of division) CPWD on behalf of the President of India (herein after called "The Government") has entered into an agreement bearing number.....with(name and address of the contractor)..... (hereinafter called "the Contractor") for execution of work..... (name of work) The Government has further agreed to accept an irrevocable Bank

Guarantee for Rs. (Rupees only) valid upto (date) as Performance Guarantee/~~security~~
~~Deposit/Mobilization Advance~~ from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

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.

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(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only)

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(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Contractor(s) shall have no claim against us for making such payment.

We, (indicate the name of the Bank)..... further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to 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(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

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

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

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

This guarantee shall be valid up tounless 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 extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date.....

Authorized signatory Name

Witnesses:

Authorized signatory Name

Signature.....
Name and address

Designation Staff code no. Bank seal

Signature
Name and address

TERMS & CONDITIONS

1. The work shall be executed as per CPWD General Specifications for Electrical Works as amended up to date, relevant I.E. Rules, BIS/IEC and as per directions of Engineer-in-charge.
2. It shall be the responsibility of the contractor for safety and cleanliness of the installation/ Equipments particularly which are under his sole possession/use as reqd. Nothing extra shall be paid to the contractor in this regard.
3. Rates are included of all prevailing taxes and duties. Nothing extra should be paid in this regard.
4. Any damage done to the existing installation/building particularly due to negligence shall be entire responsibility of contractor to make good the same free of cost.
5. The contractor shall provide identity card to the staff employed at site. The staff deputed at site of work shall be trained & qualified as per the CPWD manual Vol - III requirement and should be able to behave properly with client department's official. In case complaint about any misbehavior & /or of improper working of any of staff of contractor is received/noticed the concerned person shall be presumed that no such staff was on duty, beside taking any other suitable action by Engineer-in-Charge as deemed fit.
6. The contractor shall be responsible to provide & maintain records at site of work e.g. for attendance of on duty staff, log books for equipments etc. as required.
7. The department shall be at liberty to discontinue the work at any time without assigning any reason and no claim of any sort shall be entertained due to premature closure of the contract.
8. Cleaning agents, such as soap & dusters shall be provided by the contractor, nothing extra shall be paid for such items.
9. The department will not be responsible for any injury sustained by the agency workers during the performance of their duties and also for any damages or compensation due to any dispute between the agency and its workers. Any expenditure incurred by the department to face the situation arising out of act of his workers will be paid by the agency. The agency will be fully responsible for the payment of compensation.
10. In case it is noticed by the Engineer – in – charge that the work carried out by the agency is not up to the mark/required standard. Two days written notice will be given to the agency, warning the bad state of work and asking agency to Improve upon the standard within this period. In the event of the Department finding that there is no improvement and the work is not being carried out as per instructions, giving 24 hours notice shall terminate the contract.
11. The contractor/Agency shall be responsible for the conduct behavior and Fidelity of the staff employed by him.
12. The Engineer - in – charge reserves the right to extend/reduce the period of contract as per the existing conditions.
13. This is purely service contract and the persons employed by the contractor are his own employees and they will have no claim for right of employment in the department .
14. Labour engaged by the contractor shall not be paid less than the minimum wages as fixed by the Government from time to time. No account bill/final bill shall be paid for the work till the applicable labour license registration with EPFO, ESIC and BOCW welfare board whatever applicable are submitted by the contractor to the Engineer-in-charge.
15. The contractor shall bound to make the payment of wages to the staff deployed at work by **7th of each month** in their bank account through cheque or draft or e-transaction and will submit the evidence of such transaction like photocopy of bank passbook / Account statement of staff etc. to the department along with bill. Otherwise no payment will be release to Contractor for further work done .

In case Absence of Labour The recovery shall be made as :-

1	Skilled Labour	Rs. 2016/- per day
2	Un-Skilled Labour	Rs. 1654/- per day

16. Engineer – in – charge shall have the absolute power to with hold such amount from the claim of the Agency /Contractor as he finds suitable for breach of any condition mentioned herein as above to compensate the damages/risk caused by negligence of Agency / Contractor or his workman.
17. **Staff can deploy on another site within Nagpur as and when required.**
18. Staff can be deployed on other nature of work suited with the essential qualification during his idle period.
19. All material supplied at site generally as per preferred make list of agreement and final decision for approving the material is rest with the Engineer-in-Charge. All material should have the warranty for one year from the date of completion of work.
20. No T& P issued by the department.
21. Final decision for approving the material is rest with the Engineer – in – charge.
22. The contractor shall provide uniform (Blue pant & light blue shirt) to all staff engaged by him. The suitable Identification mark shall be engraved on the pocket of the shirt. The identity card shall be

issued by the contractor duly signed by the Engineer-in-charge. The cost of the uniform and identity card shall be bear by the contractor.

23. The contract employees should be covered under all statutory requirements like ESI, EPF, etc. by the contractor and the contractor shall comply with all the formalities in this regard. Copy of challan and Schedule of Contractor Employees for payment of ESI/PF etc. (Whether running/monthly or final) bills, if applicable to the firm, Contractor should follow **office memorandum no. DG/CON/Maintenance 2023/13 dated 13/01/2025.**
24. Contractor shall submit 05 years warranty certificate for the LED fittings supplied for the work.
25. The contractor should provide EPF A/C Number, ESI Card and Photo Identity Card to the contractor employees posted at site. This should be done immediately but not later than one month from the date of signing joint agreement.
26. After award of work the agency shall submit details of labour deployed by him to concern AE(E) on or before taking over possession of site, The detail shall include:- Name, Aadhar card, qualification details as per Annexure II of NIT.
27. The agency shall pay bonus to all deployed labour as per "The Payment of bonus (Amended) Act-2015 as applicable. The same shall be reimburse to agency on produce of documentary proof.

Executive Engineer (E)
NED, CPWD, Nagpur.

LIST OF PREFERRED MAKES

The following makes of materials are preferred for use in above work. The material shall be confirming to relevant IS specification and same shall bear ISI marking wherever applicable.

S.No.	ITEMS	MAKES
1	Modular Switch/Sockets/Regulator/Bell push & accessories etc.	Legrand (Arteor) / Honeywell (ORNA) / Panasonic (Vision) / Schneider (Unica Pure)/ Wipro (North-west) or equivalent make suitable to existing modular type switch plate.
2	Piano Type Switches/Sockets/Regulator/Bell push and accessories including plugtop	Anchor/Leader/Vinyl/HPL
3	2.50/2.25 / 2.0 / 1.75 MFD fan capacitor	Havells/Bajaj/Crompton
4	MCB/RCCB/MCB DB/ SMDB's/Industrial sockets	Legrand/ Siemens/ LK / Schneider / ABB(ITUS)
5	MCCB	ABB (T-Max) / Siemens(3 VL) / Schneider Electric (Compact NSX) / LK (Formerly L&T) (D-Sine) / Legrand (dpx3)
6	FRLS PVC insulated copper conductor single core cable / Telephone cable / TV cable/ (ISI marked)	Finolex / Havells / RR Kabel / KEI/ Polycab
7	LED batten light fitting	Phillips/ Wipro/ Lightning Technology/ Regent Lighting/Crompton
8	Any other item not mentioned above	As per samples approved by Engineer-in-charge

**Assistant Engineer (E) P.
NED, CPWD, Nagpur**

**Executive Engineer (E)
NED, CPWD, Nagpur**

ADDITIONAL SPECIFICATION

Name of work : Maintenance of E & M Installation at IBM Pilot Plant, MIDC , Nagpur During Year 2026-27.

Sub Head :- Operation & Maintenance of E & M installation..

(I) Internal Electrical installation and fans

1. Persons engaged in maint. works should be competent for the type of work involved and should possess necessary Licence.
2. Safety procedures as indicated in appendix E to the General Specification for internal work [Part-I: Internal 2023] should be duly followed.
3. The number of items to be maintained in a bldg. may be many like fittings, fans, DBs, Earth sets, etc. In order to achieve compliance to the prescribed periodicities for the various activities on them as per the schedule each of these items may be divided into convenient numbers, to carry out the respective activities in sub periods in a cyclic [sequential] order. For example if DB's are to be checked every month and there are 50 DBs in a building these may be checked @ two-three DBs everyday in a sequential order so that all DBs are checked in a month.
4. Maintenance activities carried out as per these schedules should be noted in the maintenance register. When tests are carried out the test results should be recorded with appropriate identification reference. [For example: SDB 7 earth pit No. 4 R/M- wing A etc.]
5. The voltages of supply, total load, current and PF should be noted in logbook everyday, preferably during peak loading the time of the day. [In the case of isolated/unattended buildings where it is not feasible to log daily, the period may be increased to weekly or fortnightly as feasible]
6. Inspection of Electrical Installation is intended primarily from Fire Safety consideration. Following points need to be observed as part of inspection and corrective action as necessary should be taken immediately including co-ordination with the client deptt. Concerned Engineer-in-charge at site as may be required.
 - a) Check that- there is no sign of heating up, burning smell, discoloration or sparking at any of the boards [SDBs as well as main boards], and rising mains. These may occur due to over loading or loose termination. Highly unbalanced loading may cause heavy neutral currents and consequent heating of neutral conductors and terminals.
 - b) No temporary wiring exists any where in the bldg.
 - c) There is no joint in cords connecting the WTAC units/ Voltage regulators/office equipments like photocopier, PC, etc.
 - d) No bare wiring exists over the flooring without mechanical protection by a metallic conduit / channel.
 - e) The shaft/spaces for electrical services are not misused for storage or dumping rubbish.
 - f) The spaces in the front of DBs and sockets are free [without any storage of files/ papers etc.]
 - g) No addition/alterations are done by the user deptts. to the electrical installation by themselves.
7. Record of loading upto DB level [in each phase in case of 3-ph DBs] should be maintained after measurements using a clip on ammeter. Such measurement should be done as far as possible during peak season [summer & winter] when the loads are likely to be the highest.
8. While cleaning fittings and fans, the fixing/suspending arrangements should also be checked and attended to as necessary. Care should be taken that the alignment is not disturbed.
 - a) In the case of ceiling fans remove the blades and wash the same with detergent without causing deformation of blade angle. Check the shackle and replace if damaged. Check that down rod is fully screwed upto the last thread on both ends and the threads are not loose. If so required replace the down rod of the same size, thickness and length of threading [not less than 20 mm]. Check split pins and replace if any strain deformation or damage is observed. If any other system of suspension had been adopted check the soundness of the same and tighten as necessary. Fix fan blades tightly to the body. Operate the fan at different speeds, the run should be without wobbling/noise.
 - b) As per specification lubrication needs to be done as necessary. In such cases the fan needs to be brought down after removing the blades. The old grease should be replaced with a fresh one after cleaning the bearing. If damaged the bearing should be replaced. When reinstalling the fan the suspension bolts should be well tightened.
9. Insulation tests should be done during monsoon season as per clause 16.2 of

CPWD Specifications for Electrical Works Part-I Internal-2023.

10. Earth continuity tests and earth electrode resistant test should be conducted during summer season as per clause 19 below.
11. It is proposed to provide maintenance services for Electrical & Mechanical Installations located **at IBM Pilot Plant, MIDC, Nagpur** on all working days through out the period and ensure to depute technically qualified operational staff as per Annexure-II.
12. The installation as included in the above contract of work as under the Annexure –I attached.
13. The contractor is required to render his services through his staff as per strength specified in the Annexure – II attached.
14. The workers should be provided with adequate tools to enable them to Perform their duties efficiently. The sundries materials like cotton waste, grease, distilled water for batteries and fuse wires required for the maintenance and operation shall be provided by the contractor within the amount tendered by him. Other than the material specified above required for maint. & operation shall be regulated through DEMAND CUM-CONSUMPTION register which will have linkage with complaint register.
15. To start with, the contractor shall maintain a complaint register which will monitor the time and receipt/attending the complaint. The contractor shall be responsible for getting signature of the occupant in token of attendance of the complaint in workers diary. The complaint shall be attended to on the same day as far as possible.
In case the contractor fails to attend the complaint in reasonable time [within the same day] then deptt. shall be free to get the complaint attended through other agency and shall deduct the amount from the bill of the contractor at double the rate spent on such work. The judgement of the Executive Engineer (E) will be final in accessing the expenditure involved for attending the fault by the other agency.
16. The contractor shall clean LT switchgears, bus-bars by air blower once in a three months.
- 16.1. The contractor shall examine for cracks and deposits on the bushing/isolators every three months and clean.
- 16.2. The Contractor shall clean the contact points of L T switchgears etc. with the help of CTC every three months.
17. Proper preventive maintenance of electrical installation particularly for the following items of work shall be carried out as per period stated against them. The contractor should chalk out the suitable programme for doing the test result and inform the Engineer-in-charge in advance and same shall be noted in suitable register maintained by the contractor.
 - a) Earth testing: Once in a year.
 - b) Insulation test: Once in six months.
 - c) Cleaning of installation: Once in three months

Note: However, the contractor has to take corrective measure whenever required.

18. The contractor and or his representative, labour should not remove, disturb, dislocate the existing equipment and its parts from its position until and unless it is authorized by the Engineer-in-Charge in writing. The entire installation should be intact at any time of inspection. Care shall also be taken not to damage installation by improper handling etc.
19. The contractor shall be responsible for any damage or theft and shall have to make good to its original shape and description as and when damage/theft etc. is noticed or taken place due to wrong operation of the equipment or negligence of the contractor's staff.
20. This Contract includes the following:
 - a. Replacement of materials either consumable and or non-consumable including parts accessories fixture equipment switchgear, lamps fluorescent tubes.
 - b. Operation of switch gears etc.
 - c. Cleaning of installation including general cleaning of Switch Rooms etc.
 - d. Check indicating lamp.

The department shall supply all the materials for item (a & b) above and the contractor will have to make his own arrangement for supply of materials for other items above.
21. This contract does not include the following:
 - a. Spare parts for repairs.
 - b. Consumable like HRC fuses.
 - c. Overhauling of machineries and equipment.
 - d. Rewinding of fans, pump motors etc.
 - e. All types of filters, V-Belts for DG sets.
 - f. Repairs of LT and HT joints.
 - g. Filtration of transformer oil in transformer & OCB.
 - h. Repairs of Transformer.

- i. Repair to incoming OCBs HT Bus-bar, relays batteries and battery charger.

II ADDITIONAL SPECIFICATION, FOR WATER SUPPLY PUMP SET

- 1) Deputing necessary trained and technically qualified staff to operate the pump installation [as per enclosed inventory] as specified.
 - 2) Maintaining and up keeping of every associated equipment and machinery such as water level indicator, automatic operators, associated electrical panel and accessories in proper functional condition.
 - 3) Recording of all parameters in log book as prescribed by the deptt.
 - 4) Bringing to the notice of the deptt. any defect mal-functioning of any pump, motor electrical panel, switches, etc. which requires immediate attention of the deptt.
 - 5) Keeping proper watch & ward of the equipment and machinery installations.
 - 6) Servicing and up keeping of the equipment such as motors terminal boxes, pump, incoming cables, cable terminations and associated electrical panel in accordance with the maintenance routine specified.
 - 7) Making good losses or damages to the equipment and machinery or any part there-of if as a result of negligence or default of operating staff. The decision of the Engineer-in-charge in this respect being final.
 - 8) Informing the department well in advance about the requirement of any spares and other items necessary for satisfactory operation of the pump installation.
 - 9) Replacement of the spares as supplied by the department and recommissioning of pumps or equipment as the case may be.
 - 10) The Contractor would be required to operate the pump In one shift between 9.00 AM to 6.00 PM and ensure to depute technically qualified operational staff as below.
- a) **SKILLED LABOUR (PUMP OPERATOR) –**
- I] Practical experience of three years in handling E & M plants including normal running maintenance knowledge of motor pumps including engines.
 - II] He should have:
 - Elementary knowledge of working of pumps and starters.
 - Familiar to identify & use of mechanical tools e.g. spanner, pliers, screw drivers, etc.
 - Able to identify tools and lubricants commonly used.
 - Be able to start, stop operate a pump and carry out operation e.g. priming opening and closing of valves tightening of glands and lubricants application.
 - Ability to handle simplex mechanical tools e.g. spanners, pliers, screw drivers, etc.
 - Ability to read to instrument like pressure gauge, ammeter, voltmeter etc. & to maintain a daily log book of readings & instruments.
 11. For undertaking work such as cleaning and conditioning of valves etc. requiring additional man power, the same will have to be arranged by the contractor as and when required for which nothing extra shall be paid.
 12. The Engineer-in-Charge reserves the rights to ask the contractor to remove any staff without assigning any reason what so ever the decision of Engineer-in-Charge will be final and binding on the contractor.
 13. The contractor shall be fully responsible for the conduct of the staff deputed by him.
 14. Place of duty shall be fixed by J E-in-charge and operator concerned shall normally be available at duty place. Before leaving place of duty operator shall make entry in the log-book.
 15. The contractor shall make his own arrangement for tools for electrical & mechanical work for the use of their staff. No T&P shall be issued by the deptt., operating staff shall be equipped with all necessary T&P and testing equipments so as to attend to normal faults and set them right.
 16. Water & power will be supplied FREE OF COST for bonafide use at the work only.
 17. All spares of all equipment will be supplied by the deptt. free of cost for the bonafide use of works. However in case it is established that any of the spares and materials have been misused or has been wasted by the contractor staff on account of their negligence, inefficiency or any other reason for which deptt is not responsible.- recovery will be made from the contractor bill towards the cost of such spares/materials. Decision of Engineer-in- Charge will be final and binding on contractor.
 18. In case of any damage to any equipment on account of negligence/ fault of the contractor staff, the same will have to be made good at their risk & cost. Failure of which recovery will be made from contractors bill.
 19. During the concurrency of contract the pumps be shall be in physical custody of the contractor & after expiry of contract the plant shall be handed over to department in the similar condition in which it was taken over.
 20. All works e.g. overhauling of pumps, rewinding of motors, [damaged on account of no

fault of contractor] replacement of valves, etc. works involving welding, repairs, painting and any other works for which machinery has been sent out for repair, testing will be arranged by the department.

ANNEXURE – I

Details of Electrical installations :-

- | | | |
|--|---|------------|
| a) Light/fan/exhaust fan/call bell point | - | 947 point. |
| b) Power/industrial point | - | 603 Nos. |
| c) Street light | - | 43 Nos. |

Details of pump sets :-

- a) 7.5 HP Centrifugal pump motor set - 3 Nos .

ANNEXURE - II

The contractor shall provide or depute at least the following staff for the maintenance of above electrical and mechanical installations to take instruction from the Engineer-in-charge.

- | | | |
|----|-------------------|-----------|
| 1. | Skilled Labour | - 02 Nos. |
| 2. | Un-Skilled Labour | - 01 No. |

***Qualification required for each deployed labour :-**

Type of labour		Qualification required
i)	Skilled labour (Wireman/ Wireman cum operator)	ITI pass in Electrical/Wiremen trade with valid Wireman license issued by state licensing board and 3 years practical experience for maintenance & operation of E/M equipment's.
ii)	Unskilled Labour (Khallasi)	SSC pass, preferably some experience in Electrical installations.

**Executive Engineer (E)
NED, CPWD, Nagpur**