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. :- 64/EE(E)/NED/2026-27 (7th Recall)

NAME OF WORK: Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.

ESTIMATED COST: Rs.14,93,658/-

EARNEST MONEY: Rs.29,873/-

TIME ALLOWED: 03 (Three months)

Certified that this NIT contains 01 to pages
NIT Approved for Rs.14,93,658/-

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 eligibile) 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	64/EE(E)/NED/CPWD/2026-27 (7th Recall)	Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.	Rs. 14,93,658/-	Rs. 29,873/-	03 Months	03/12/2026 upto 03.00 PM	03/12/2026 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 composite category contractor shall have to associate other agency(s) for execution of each of the work(s), which fulfils the eligibility criteria as defined after taking prior approval. The Composite Contractor and the associated specialized agencies shall give required affidavit to confirm their association. Tender accepting authority may approve change of sub agency in case it is required during the currency of contract. However the composite category contractor shall also be eligible to carry out himself any or all of these works without associating any specialized agency provided:-

a) He fulfills the prescribed eligibility criteria respectively for these work(s).

Sl. No.	Specialized work(s) / item of work(s)	Estimated cost in Rs.	Criteria of associated agencies
i)	SITC of DG set	Rs.14,93,658/-	Experience of having successfully completed works during last seven years ending last day of month previous to the one in which tenders are invited. a) One similar works each costing not less than that **Rs.11.95 Lakhs** OR b) Two similar works each costing not less than that **Rs. 8.96 Lakhs** c) Three similar works each costing not less than that **Rs.5.97 Lakhs** Similar works means “SITC of DG set”.

In case of private works, the same shall be supported by TDS certificate for the work under consideration.

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

a) The composite category contractor is also eligible to carry out himself/ herself this work without associating any specialized agency provided:

i) He fulfills the prescribed eligibility criteria as mentioned in 1 (a) for this work.

OR

ii) He directly procures the equipment of approved make from manufacturer and gets it installed from authorized agency /service provider of the manufacturer or specialized agency as per the criteria mentioned in the NIT.

In additional to this the main/associated agency has to submit an Affidavit as under :-

“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for associated agency in CPWD in future forever”.

Tender accepting authority approves the change of sub-agency in case it is required during the currency of the contract.

The composite contractor and the associated specialized agency needs to submit affidavit to confirm their association for verification and approval of the Department within 7 days of award of work. Consent letter of such proposed agencies for association along with verifiable completion certificates of the work/ registration/approval documents as the case may be, duly attested by the applicant, self-attested GST registration documents and

TDS certificate for private works in respect of the associated agencies shall also be submitted along with the proposal within 7 days of award of work.

If the main contractor fails to associate agency for execution of minor components of work within 7 days of award of work or furnishes incomplete details or furnishes details of ineligible agencies even after the tenderer is given due opportunity, the entire scope of such component of work shall be withdrawn from the tender and the same shall be got executed by the Engineer-in –Charge without any notice at the risk and cost of the main contractor.

The bidders shall have to submit MOU with the specialized agencies within 07 Days after award of work.

3. 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.

4. Information and Instructions for bidders posted on website shall form of bid document.

5. 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.

6. 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.

7. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as 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 "Executive Engineer (E), Nagpur Central Electrical Division, CPWD, Nagpur" as mentioned in NIT, receipt of deposition of original EMD to division office of any Executive Engineer, (including NIT issuing EE/ AE), CPWD and other documents as specified.

8. The bids will be submitted upto 3.00 PM on 03/12/2026. The bid shall be opened at 3:30 PM on 03/12/2026.

9. 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.

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

11. 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.

12. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.

13. 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)/AE.

14. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.

15. 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.

16. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

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

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

19. 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).

20. 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.

21. 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.

22. 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.

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NED, CPWD, Nagpur

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23. 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:	Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.
2.	NIT No.:	**64/ EE(E)/NED/2026-27 (7th Recall)**
3.	Estimated cost:	Rs.14,93,658/-
4.	Amount of Earnest Money Deposit:	Rs.29,873/-
5.	Last date of submission of bid:	Upto -3.00 PM on 03/12/2026
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	
(To be filled by EMD receiving EE/DDH)		

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.

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NED, CPWD, Nagpur

Executive Engineer (E)
NED, CPWD, Nagpur

FORM -G

CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY OF OF WORK

Name of work:- Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.

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

1. I/We will execute the work as per specifications and conditions of the agreement and as per direction of the Engineer –in-charge for the corresponding minor work till the completion of the work.
2. I/We will be responsible for necessary action to handover the installation and for rectification of defects and repair during the defeat liability / warranty period.
3. Also I/We will employ full time technically qualified Engineer/ Supervisor for the minor component of the work as specified in clause 36 for the work. I/We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Major Contractor / Associate/

Signature with date of Minor Contractor

Contractor
Address

Contractor
Address

1. Witness with address

   (From major component contractor side)
2. Witness with address

   (From minor component contractor side)

FORM-H

MEMORANDUM OF UNDERSTANDING (M.O.U.)
(to be submitted for each and every E&M component)

1. M/s. (Name of the firm with full address)
   Enlistment Status

   Valid Upto:

   (Henceforth called the main Contractor)

2. M/s. (Name of the firm with full address)
   Enlistment Status

   Valid Upto:

   (Henceforth called Associated Electrical Contractor or Electrical Contractor)

For the execution of Electrical work,

Name of work:- **Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.**

(Electrical Component) as per schedule specifications, terms and condition of the tender.

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

We have agreed as under:

1. The electrical contractor will execute all electrical works in the wholesome manner as per terms and conditions of the agreement.

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

3. All the machinery and equipments, tools and tackles required for execution of the electrical works, as per agreement, shall be the responsibility of the electrical contractor.

4. The site staff required for the electrical work shall be arranged by the electrical contractor or by the main contractor as per terms and conditions of the agreement.
5. Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Association Contractor and by Associated Contractor himself.

6. All the correspondence regarding execution of the electrical work shall be done by the department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated contractor shall be responsible. The action clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR

Date:
Place:

1. Witness with address

(From major component contractor side)

SIGNATURE OF ASSOCIATED ELECTRICAL CONTRACTOR

Date:
Place:

2. Witness with address

(From minor component contractor side)

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 Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.

1.1 The work is estimated to cost Rs.14,93,658/-. 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.

1.2 The composite category contractor shall have to associate other agency(s) for execution of each of the work(s), which fulfils the eligibility criteria as defined after taking prior approval. The Composite Contractor and the associated specialized agencies shall give required affidavit to confirm their association. Tender accepting authority may approve change of sub agency in case it is required during the currency of contract. However the composite category contractor shall also be eligible to carry out himself any or all of these works without associating any specialized agency provided:-

a) He fulfills the prescribed eligibility criteria respectively for these work(s).

Sl. No.	Specialized work(s) / item of work(s)	Estimated cost in Rs.	Criteria of associated agencies
i)	SITC of DG set	Rs.14,93,658/-	Experience of having successfully completed works during last seven years ending last day of month previous to the one in which tenders are invited. a) One similar works each costing not less than that **Rs.11.95 Lakhs** OR b) Two similar works each costing not less than that **Rs. 8.96 Lakhs** c) Three similar works each costing not less than that **Rs.5.97 Lakhs** Similar works means “SITC of DG set”.

In case of private works, the same shall be supported by TDS certificate for the work under consideration.
The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple interest rate of 7% per annum, calculated from the date of completion to the last date of receipt of application for tender.

b) The composite category contractor is also eligible to carry out himself/ herself this work without associating any specialized agency provided:

iii) He fulfills the prescribed eligibility criteria as mentioned in 1 (a) for this work.

OR

iv) He directly procures the equipment of approved make from manufacturer and gets it installed from authorized agency /service provider of the manufacturer or specialized agency as per the criteria mentioned in the NIT.
In additional to this the main/associated agency has to submit an Affidavit as under :-
“I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for associated agency in CPWD in future forever”.
Tender accepting authority approves the change of sub-agency in case it is required during the currency of the contract.

The composite contractor and the associated specialized agency needs to submit affidavit to confirm their association for verification and approval of the Department within 7 days of award of work. Consent letter of such proposed agencies for association along with verifiable completion certificates of the work/ registration/approval documents as the case may be, duly attested by the applicant, self-attested GST registration documents and TDS certificate for private works in respect of the associated agencies shall also be submitted along with the proposal within 7 days of award of work.

If the main contractor fails to associate agency for execution of minor components of work within 7 days of award of work or furnishes incomplete details or furnishes details of ineligible agencies even after the tenderer is given due opportunity, the entire scope of such component of work shall be withdrawn from the tender and the same shall be got executed by the Engineer-in –Charge without any notice at the risk and cost of the main contractor.

The bidders shall have to submit MOU with the specialized agencies within 07 Days after award of work.

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 **03 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 03/12/2026 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 from. 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

STATE : MAHARSHTRA

BRANCH:E & M DIVISION, NCED, Nagpur

REGION: MUMBAI

Percentage Rate Tender & Contract for Works

Tender for the work of Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.

(i) To be submitted by 15:00 hours on 03/12/2026 to Executive Engineer (E), NCED, CPWD, Nagpur.

(ii) To be opened in presence of tenderers who may be present at 15:30 hours on 03/12/2026 in the office of Executive Engineer (E), NCED, CPWD, Nagpur.

Issued to .....NIT.....
Signature of officer issuing the documents .....
Designation Executive Engineer (E)
Date of Issue

T E N D E R

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

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

A sum of Rs.29,873/- is hereby forwarded in 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 issued by a Commercial Bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said 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. (Modified vide OM DG/CON/272 dt. 21.8.2013)

Further, I/We agree that in case of forfeiture of Earnest Money or both Earnest Money and 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 / documents for the work, if any. : NIL

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	:	Supplying, Installation, Testing & Commissioning of 160 KVA DG Set at AG (Audit-II),Civil Lines, Nagpur.
Estimated cost of work	:	Rs.14,93,658/-
(i) Earnest money	:	Rs.29,873/- (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**

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 2 (Applicable)

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
1.	Submission of Technical Data Sheets/ GA Drawing for approval of Engineer-in-charge	15 Days	1%
2.	Supply of Material at site	30 Days	2%
3.	Installation, Testing and Commission & handing over	60 Days	1%

Time allowed for execution of work : **03 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 : 5

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

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 – : Not Applicable
Component of labour expressed as percent of value of work : Not Applicable

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, DG Set Part-VII amended upto date and additional terms & conditions attached.

Clause 12 :- As per GCC 2023 amended upto date for construction 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, Nagp**ur
iii) **Place of Arbitration – Nagpur**

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 provision of clause**
	Qualification	**Number (Civil + Electrical)**			
~~More than 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

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

1. 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.
2. 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.
3. 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).
4. 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.
5. 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.
6. 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.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
8. We, ……. (indicate the name of the Bank) ……. undertake not to revoke this guarantee except with the previous consent of the Government in writing.
9. 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 extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.
10.

Date……

Witnesses:

Authorized signatory :
Name :
Designation :
Staff code no. :
Bank seal:

1. **Signature.....**
   Name and address

2. **Signature ……**
   Name and address

GENERAL CONDITIONS

1.0 General

The work shall be executed as per CPWD General Specifications for Electrical Work Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Sub-station) 2013, DG Set Part-VII amended upto date wherever applicable, as per relevant IS and as per directions of Engineer-in-Charge. The technical specifications are to be read in conjunction with above and in case of variations, technical specifications of tender document shall apply. Nothing extra shall be paid on account of additional features in the technical specifications as the same are to be read along with schedule of quantities for the work.

Location: AG(Audit-II), Civil lines, Nagpur

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

1.2 The work to be awarded by this tender shall be treated as indivisible works contract.

2.0 No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.

3.0 Rate:

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including GST), custom duty, entry tax, 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, overhead charges, general liabilities/obligations and clearance from local authorities.

4.0 Completeness of tender:

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are 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.

5.0 Storage and custody of materials:

Contractor has to make his own arrangement for storage of material and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

6.0 Care of the Building:

Care shall be taken by the contractor while handling and installation 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.

7.0 Completion period:

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of General arrangement drawings, supplying, installation, testing, commissioning and handing over of the entire installation to the satisfaction of the Engineer-in-charge.

8.0 Performance Guarantee:

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

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

b. Safe mechanical and electrical stress on all parts under all specified conditions of operation.

9.0 Defect Liability Period:

(i) All the equipment's shall have defect liability period of **12 months** to be reckoned after the date of recording of completion certificate by the department.

The equipment's or components, or any part thereof, so found defective during warrantee 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.

(ii) All fittings shall be defect liability guaranted for a period of 5 years to be reckoned after the date of recording of completion certificate by the department.

10.0 Contractor has to submit OEM test certificate at the time of submission of bills.

11. The contractor has to prepare scheme / layout / shop drawings of all the services and got it approved from Engineer-in-charge.

12.0 Power Supply:
Power Supply for the purpose of Installation of plant and equipment shall be arranged by the tenderer.

13. The bidder should submit undertake to use material as specified in the technical specification of tender including makes and declare that no deviation will be taken from the specifications, makes as specified in tender during execution.

14. **Water Supply:-** Contractor has to make arrangement of water for testing of Fire Fighting Work.

15. In case Engineer-in-charge feels that some brand is not meeting the product specifications, the same shall not be allowed even if its brand name is included in list of approved make/brand. No claim of contractor on this account shall be entertained.

16. Bidder should submit original leaflet & letter of authority from the manufacturer.

17.0 Compliance with Regulations and Indian standards

17.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to this work. In particular, the equipment and installation shall comply with the following:
a. Factories Act
b. Indian Electricity Rules
c. I.S. & BS Standards as applicable
d. Workmen's compensation Act
e. statutory norms prescribed by local bodies

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

18.0 Indemnity:

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

19.0 Erection Tools:
No tools and tackles either for unloading for shifting the material for erection purposes would be made available by the department. The successful tenderer shall make own arrangement for all these facilities.

20.0 Mobilization Advance:
No mobilization advance shall be paid for this work.

21.0 Verification of correctness of Equipment at Destination:

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

22.0 Painting:

This shall include cost of painting of entire exposed iron work in the installation. All material works shall be painted at the works before dispatch to the site.

23.0 Quality Assurance:

23.1 The Sub-station layout, cabling layout, Internal EI layout, schematic diagram as per contract specifications shall be prepared by the respective contractor and will be submitted by contractor duly signed before placing the order. The engineer-in-charge shall approve the shop drawing/ plan /layout as per contract conditions.

23.2 All the materials to be used in the work shall be new and of good quality and shall be not older more than 6 months from the date of receipt at site or year of manufacturing should be current. The equipment shall be procured directly from the manufacturer or authorized dealer and delivery challan / proof of dispatch of material of the Agency from where the material is purchased in support of genuineness of material shall be submitted along with bill for verification.

23.3 Manufacturer test certificates of all the equipment and material shall be submitted along with supply.

24.0 Department may send any material for testing. Testing charges if any shall be borne by the contractor. No amount will be paid for sample material sent for testing purpose.

25.0 Completion Plans:

After completion of work the contractor shall submit three sets of manufacturer's maintenance and operating instructions.

26. The order of preference in case of any discrepancy as indicated in condition No. 8.1 under "Conditions of Contract" give in standard CPWD contract form may be read as the following:

i) Nomenclature of items as per schedule of quantities.
ii) General conditions, Particular specification and additional condition, if any.
iii) CPWD specifications.
iv) Architectural Drawings
v) Indian standard specifications of B.I.S.
vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

27.0 The material should purchase from OEM or their authorized dealers.

28.0 It will be the responsibility of contractor to get the statutory CEA approval from Electricity Board. The statutory payments shall be made/reimbursed by the department on production of receipt/ challan/ demand note etc.,

29.0 As the building is live, contractor has to arrange the work in phased manner.

30.0 Terms of Payment:

The following percentage of contract rates shall be payable against the stages of work as shown.

SL No.	Stage of Work	All Items
1	After delivery at site in good condition on pro rata basis	70%
2	On completion of pro-rata installation	20%
3	On successful testing and commissioning of the system	10%

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

Executive Engineer (E)
NED, CPWD, Nagpur

ADDITIONAL CONDITIONS FOR IEI WORK

1.0 GENERAL

SCOPE OF WORK:
The specifications given below pertain to the internal electrical installation work and CPWD Specifications are to be followed.

POINT WIRING:

1.1 The wires used for the point wiring and power wiring shall be of 650 / 1100 Volts grade FRLS PVC insulated multi stranded copper conductor single core cables.

1.2 All mounting boxes for plate type accessories shall be of metallic construction and of the same make as that of the plate type switches and accessories.

3.1 COPPER AND ALUMINIUM CABLES

3.1.1. This specification covers the supply, installation, testing and commissioning of 1100 V grade cables.

3.1.2 The design, manufacture and performance of the cables should conform to the relevant IS.

4.0 MOULDED CASE CIRCUIT BREAKERS

4.1 The MCCBs shall comprise single units of triple pole/four pole construction as specified, shall be rated for 415 V AC.

4.2 All live parts shall be totally enclosed and shrouded with a heat resistant moulded insulating material housing. Operating mechanism shall be quick make, quick break and trip free type.

4.2.1 The MCCB shall be provided with the following features in microprocessor Release:

a) Inverse-time-current tripping characteristics under sustained overload.
b) Instantaneous tripping on short circuit

4.3 MCCBs shall be of current limiting type.

4.4 The rated service breaking capacity (Ics) shall not be less than the ultimate short circuit breaking capacity (Ics = I cu)

4.5 Variable Thermal setting shall be provided in all MCCB s with thermal magnetic Release.

4.6 All circuit breaker below 250 amps rating shall be provided with thermal magnetic Release & circuit breakers of 250 amps rating and above shall be provided with Microprocessor based release unless otherwise specified.

4.7 All MCCBs shall be provided with rotary handles and links for which nothing extra shall be paid.

5.0 MCB's & DB's shall be of same make.

6.0 Guarantee of other equipment's except LED : All equipment's shall be guaranteed for period of 12 months from the date of taking over the installations by the department against unsatisfactory performance and/or break down due to defective design, workmanship of material. The equipment's or components, or any parts thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost to the satisfaction of the Engineer-in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this the same will gotbe 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.

7.0 Guarantee for LED fittings & fixtures

a) All the LED Bulbs/ LED fittings shall be guaranteed for a period of 5 Years and the agency shall submit guarantee /warranty certificate issued by the OEM / Manufacturer, specifically issued for this work/ agreement, before payment of final bill.

b) 50% of the Performance Guarantee for tendered amount of LED fittings, shall be refunded to the contractor soon after the completion of the work and after recording of the completion certificate.

c) 50% of the Performance Guarantee for tendered amount of LED fittings, shall be retained as Security Deposit.

d) 50% of the Performance Guarantee retained on tendered amount of LED fittings, as Security Deposit plus 2.5% Security Deposit already deducted from running bills (total 2.5 +2.5 = 5% of tendered amount of LED fittings) shall be refunded year wise proportionately.

e) Sample of any quantity & any type of LED fitting at random selected from the material supplied at site as per discretion of Engineer-In-charge may be sent to any NABL/UL accredited lab for the checking and verification of its performance parameter as per LM-79/ 80 report. This expenditure cost shall be borne by the department. However, in case of failure of sample or the sample not found as per specification, the expenditure on this A/C shall be recovered from the bill of the contractor and the material shall required to be removed from the site.

8.0 The contractor shall arrange to submit LM -79 & LM -80 reports from LED manufacturer for each and every type of LED fittings.

9.0 In the acceptable makes of fitting model No. of one of the acceptable make has been mentioned for guidance. However, the contractor is free to supply any of the 3 makes, provided the parameters of the fittings match with the fitting model No. mentioned in NIT. The decision of Engineer-in-charge shall be final.

10.0 The lamp color temperature shall be intimated by Engineer-in-charge/his representative at site.

11.0 In the acceptable makes of fitting model No. of one of the acceptable make has been mentioned for guidance. However, the contractor is free to supply any of the 3 makes, provided the parameters of the fittings match with the fitting model No. mentioned in NIT. The decision of Engineer-in-charge shall be final.

12.0 The contractor has to submit a copy of all the original bill / receipt for purchasing the material from manufacturer/authorized dealer for bonafied use at site at the time of submitting of bill.

13.0 ***Work may be carried out on Sundays, Holidays or in odd hours as per convenience of the client/ allottee for which no claim for idle labour shall be entertained.***

15. All dismantled material should be returned to department concerned JE(E)/AE(E).

16. OEM authorization letter should be enclosed at the time of submission of technical data sheet for Audio/Video equipments , for approval of the engineer in charge.

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

Executive Engineer (E)
NED, CPWD, Nagpur

LIST OF PREFERRED MAKES

The following makes of materials are acceptable for use in above work. The material shall be confirming to relevant IS specification and same shall bear ISI marking, wherever available. **If any make stated below does not comply with the technical specification given in the tender then such a make will not be acceptable .**

SN	ITEMS	MAKES
1	DG set	Cummins/ Caterpillar/ Perkins/ VolvoPenta/ Kirloskar/ Greaves Cotton
2	ALTERNATOR	Stamford/ Loreysomers/ Mecaltte/ Kirloskar
3	AMF panel	As per OEM
4	MCCB	ABB (T-Max) / Siemens(3 VL) / Schneider Electric (Compact NSX) / LK (Formerly L&T) (D-Sine) / Legrand (dpx3)
5	MCB/RCCB/MCB DB/Industrial sockets	Legrand/ Siemens/ LK (Formerly L&T)-AU series / Schneider / ABB(ITUS)
6	Air Circuit Breaker	ABB (EMax2) / Schneider Electric (Easypack MVS / Masterpact NW) / LK (Formerly L&T) (U Power)/Legrand-DMX3 / Siemens(3WL)
7	Contactor /Relay /HRC FUSE	LK (Formerly L&T)/ ABB / Siemens / Schneider Electric / Legrand
8	DIGITAL PANEL METERS /ELECTRONIC LOAD MANAGER	AE / MECO / RISHAB/ LK / Kaycee /Kappa/C&S
9	Selector Switch	Kaycee/ BCH/ LK (Formerly L&T)/ Siemens / C&S / Kappa/ Schneider
10	Indicating Lamp / Push Button	BCH/ LK (Formerly L&T) / Schneider/ C&S.
11	XLPE insulated & PVC sheathed aluminium/ copper conductor armoured power cable.(ISI marked)	Polycab/ RR kable / Havells/Finolex/KEI
12	BATTERIES	Exide(Power safe)/Cummins Plus/ Panasonic/ NED /Global yuasa/ AMAR RAJA
13	Cable Jointing Kit / End termination	Comet/Dowell/Jainson
14	Cable tray (GI/MS)	OBO/ Indiana/ Pilco/ Apex/ Legrand
15	FRLS PVC insulated copper conductor single core cable / Telephone cable / TV cable (ISI marked)	Finolex / Havells / RR Kabel / KEI/ Polycab
16	CT/PT	AE / Crompton Greaves / Kappa /BHEL /Alstom
17	LED module	Samsung/ ADS/ Osram
18	GI Pipe	TATA / Jindal / SAIL
19	Rubber Mat	Sintex / Birla/ Jyoti /Vinyl
20	DWC Pipe	Rex / Supreme / Dutron / Duraline
21	**Any other item not mentioned above**	**As per samples approved by Engineer-in-charge**

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