

GOVERNMENT OF INDIA
OFFICE OF
THE ASSISTANT ENGINEER (E)-I
C.P.W.D., BHOPAL



NOTICE INVITING TENDER

N.I.T. NO. : **40/EE(E)/Bhopal/2026-27**

NAME OF WORK: **Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.**

ESTIMATED COST : **Rs. 1,10,905 /-**

EARNEST MONEY : **Rs. 2,218/-**

TIME ALLOWED : **01 (One) Month**

Assistant Engineer (E)-I,
CPWD, Bhopal

Name of work **Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.**

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Certified that this Bid documents contains pages **01 TO** excluding front and back cover page.

Assistant Engineer (E)-I
Central P.W.D., Bhopal

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

The Assistant Engineer (E)-I, Nirman Sadan 52-A, Arera Hills, CPWD, Bhopal (Ph:- 0755-2579801) invites on behalf of president of India invites on **Percentage rate Bids From the Eligible Contractors enlisted in CPWD in the appropriate class in Composite Category** for the following work:-

Sl.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of Completion	Date of Pre-bid conference	Period of submission /uploading of eligibility and financial bids	Last date and time of submission of original EMD, copy of receipt for deposition of original EMD, and other documents as specified	Time & date of opening of tender
1	2	3	4	5	6	7	8	9	10
	40/EE(E)/Bhopal/2026-27	Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.	₹ 1,10,905 /-	₹ 2,218/-	01 (One) Month	N.A	up to 3.00 PM 13.07.2026	up to 12.00 PM on 13.07.2026	Up to 03:30 PM on 13.07.2026

- 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.
- Information and Instructions for bidders posted on website shall form part of bid document. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website etender.cpwd.gov.in or www.cpwd.gov.in or www.eprocure.gov.in free of cost.
- 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. (The EMD document shall only be issued from the place in which the office 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 Receipt and Bank Guarantee (For Balance amount as prescribed) from any of the Commercial Bank against EMD or Deposit at Call Receipt or Fixed Deposit Receipt of a Scheduled Bank in favour of respective Executive Engineer, copy of receipt of original EMD and other document specified.**
- 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. (The EMD document shall only be issued from the place in which the office of receiving**

division office is situated) and uploading the mandatory scanned documents such as **Insurance Surety Bonds, Account Payee Demand Draft or Bankers cheque or Fixed Deposit Receipt and Bank Guarantee (For Balance amount as prescribed) from any of the Commercial Bank against EMD or Deposit at Call Receipt or Fixed Deposit Receipt of a Scheduled Bank** in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer, CPWD and other documents as specified.

The Contractors already registered on the e-tendering portal will have option to continue by paying tender processing fee upto one year from the date of registration, or to switch over to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.

5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online tendering process as per details available on the website. The intending bidder must have valid class-III digital signature to submit the bid.
6. **Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft or Bankers cheque or Fixed Deposit Receipt and Bank Guarantee (For Balance amount as prescribed) from any of the Commercial Bank against EMD or Deposit at Call Receipt or Fixed Deposit Receipt of a Scheduled Bank (drawn in favour of Executive Engineer (E), CPWD, Electrical Division, Bhopal) shall be scanned and uploaded to the e-Tendering website within the period of bid submission.**

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled 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 / Annually pre-qualified certificate or the work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.**

7. The bid shall be opened at 3.30 pm on **13.07.2026**.
 --*-- **To be filled in by Assistant Engineer (E)-I, CPWD, Bhopal.**
To be filled as per modified provisions of DG/MAN/299.

8. When tenders are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. 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 tenders are received satisfying the laid down criteria.
10. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue.
 In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as '0'.
 Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as '0' (Zero).

11. Procedure for dealing with ambiguities in rates:-

~~(i) In item rate tender, intending bidder can quote his rates in figures only, amount of each item and total is generated automatically.~~

(ii) In percentage rate tender, the tendered percentage quoted in figures shall be taken as correct.

~~(iii) In lump sum tenders the amount quoted in figures shall be taken as correct.~~

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

1. Treasury Challan / Demand Draft / Pay order or Banker's Cheque / Deposit at Call Receipt / FDR / Bank Guarantee of any Scheduled Bank against EMD. **(drawn in favour of Executive Engineer (E), CPWD, Electrical Division, Bhopal)**
2. **Valid** Enlistment order of Eligible Contractors enlisted in CPWD in the appropriate class & region in Composite Category.
3. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall be issued from the place in which the office of receiving division is situated).
4. **Valid Electrical Contractor License.**
5. Complete address with mobile number and E-mail id of contractor in letter head.
6. Upload ERP training certificate.
7. **Certificate of GST Registration and PAN.**

If the bidder has not obtained GST registration in the state in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and uploaded following undertaking along with other bid documents.

"If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up, 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 a/c of the work executed and/ or for any action taken by CPWD or GST department in this regard."

8. **Once the site is taken over by the contractor for execution of work, the safety of the labours and its residence shall be the responsibility of the contractor and no claim in this regard will be acceptable. (Ref. at Page No. 20 of this NIT). Therefore it is compulsory for each bidder to visit the site before quoting the rates and the "Undertaking for site inspection (as per Annexure –A at page no. 21 of this NIT) [Intending bidders must upload undertaking that they have inspected and examined the site and it's surrounding before submitting their bids.]"**

Assistant Engineer (E)-I
Central P.W.D., Bhopal

20A.14 Information and instruction for Assistant Engineer (E)-I for e-tendering:

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

Receipt of deposition of original EMD (Receipt No. / date.....)	
1. Name of Work: Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus. 2. NIT No. 40/EE(E)/Bhopal/2026-27. 3. Estimated Cost Rs. 1,10,905 .00 4. Amount of Earnest Money Deposit Rs. 2,218.00 5. Last date of submission of bid 13.07.2026.* (* To be filled by NIT approving authority/AE at the time of issue of NIT and uploaded along with NIT)	
1. Name of contractor# 2. Form of EMD# 3. Amount of Earnest Money Deposit# 4. Date of submission of EMD#	
Signature, Name and Designation of EMD receiving officer (EE/AE(P)/AE/AAO) alongwith Office Stamp (* To be filled by EMD receiving AE)	

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

Govt. of India
Central Public Works Department
Notice Inviting Tender

The Assistant Engineer (E)-I, CPWD, Bhopal (Ph:- 0755-2579801) invites on behalf of president of India invites Online **Percentage Rate Bids** are invited on behalf of President of India **From the Eligible Contractors enlisted in CPWD in the appropriate class in Composite Category** for the following work:-

“ Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.”

The enlistment of the contractors should be valid on the last date of submission of bids.

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

- 1.1 The work is estimated to Cost : ₹ **1,10,905 /-**. This estimate, however, is given merely as a rough guide.
- 1.2 Intending tenderer is eligible to submit the bid provided he fulfill the criteria **eligibility for issue of tender documents**.
- 1.2.3 ~~To become eligible for issue of tender, the firm/ agency shall have to furnish an affidavit as under:-
"I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred 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".
(Scanned copy to be uploaded at the time of submission of bid).~~
- 2 Agreement shall be drawn with the successful tenderer on prescribed form No. CPWD7/8 modified / amended upto last date of receipt of tender (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **01 (One) Month** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. (i) The site for the work is available. ...*... OR
The site for the work shall be made available in parts as specified below:-
Available

--*-- To be filled in by Assistant Engineer (E)-I, CPWD, Bhopal.

5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions Of Contract Form-2010 modified / amended upto last date of receipt of tender can be seen from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in or www.eprocure.gov.in free of cost.
- 6 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.

- 7 While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
- 8 When tenders are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit receipts of a scheduled bank / demand draft of a scheduled bank (drawn in favour of **Executive Engineer (E), CPWD, Electrical Division, Bhopal**) shall be scanned and uploaded to the e-tendering website within the period of bid submission. **The original EMD should be deposited either in this office of executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated). The EMD receiving Executive Engineer shall issued 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.**
- 9.1 A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lakh, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled 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.
- 9.2 Copy of Enlistment / Annually pre-qualified certificate or the work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. **However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.**
- 9.3 Online bid documents submitted by intending bidders shall be opened only of those bidders, **who has deposited e-Tender processing fee with M/s ITI Limited and Earnest Money Deposit and other documents scanned and uploaded are found in order.**
- 9.4 **The bid Submitted shall be opened at 03.30 PM on 13.07.2026 .**
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 (The EMD document shall only be issued from the place in which the office of receiving division office is situated).**
 - (iii) **The bidder does not upload all the documents (~~including service tax registration / VAT registration / Sales Tax 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 documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
 - (v) **If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above / below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.**
11. (a) The contractor whose bid is accepted will be required to furnish performance guarantee **Applicable as per OM no. DG/Manual-2024/20, Dated 27.02.2026** within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed

Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The earnest money proforma should be submitted by contractor at the time of processing of tender. The Contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and programme chart (Time and Progress) within the period specified in Schedule F.**

12. Intending Firm/ agencies 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 firm/ agency 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 firm/ agency shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a firm/ agency 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 tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the firm/ agency shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with firm/ agency is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to 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 tender and the firm/ agency shall be bound to perform the same at the rate quoted.
16. The Agency shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any 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 previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of **(30) days** from the date of opening of bid / ~~Ninety days from the date of opening of financial bid in case tenders are invited on 2/3 bid system / One hundred twenty days from the date of opening of technical bid in case bids are invited on 3 bid system for specialised work~~ (strike out as the case may be). If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the 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 re-bidding process of the work.**

19. This notice inviting Tender shall form a part of the contract document. The successful firm/ agency, on acceptance of his tender by the Accepting Authority shall within **01 (One) Month** from the stipulated date of start of the work, sign the contract consisting of:-
- The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - Standard **C.P.W.D. Form 7** amended / modified upto last date of receipt of tender.
20. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Assistant Engineer (E)-I, CPWD, Bhopal then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the firm/ agency shall not be allowed to participate in the re-tendering process of the work.

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

- Treasury Challan / Demand Draft / Pay order or Banker's Cheque / Deposit at Call Receipt / FDR / Bank Guarantee of any Scheduled Bank against EMD. **(drawn in favour of Executive Engineer (E), CPWD, Electrical Division, Bhopal)**
- Valid** Enlistment order of Eligible Contractors enlisted in CPWD in the appropriate class & region in Composite Category.
- Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall be issued from the place in which the office of receiving division is situated).
- Valid Electrical Contractor License**
- Complete address with mobile number and E-mail id of contractor in letter head.
- Upload ERP training certificate.
- Certificate of GST Registration and PAN.**
If the bidder has not obtained GST registration in the state in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and uploaded following under taking along with other bid documents.

"If work is awarded to me, I/we shall obtain GST registration Certificate of the State, in which work is to be taken up, 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 a/c of the work executed and/ or for any action taken by CPWD or GST department in this regard."
- Once the site is taken over by the contractor for execution of work, the safety of the labours and its residence shall be the responsibility of the contractor and no claim in this regard will be acceptable. (Ref. at Page No. 20 of this NIT). Therefore it is compulsory for each bidder to visit the site before quoting the rates and the "Undertaking for site inspection (as per Annexure –A at page no. 21 of this NIT) [Intending bidders must upload undertaking that they have inspected and examined the site and it's surrounding before submitting their bids.]"**

Assistant Engineer (E)-I
Central P.W.D., Bhopal

--*-- To be filled in by Assistant Engineer (E)-I, CPWD, Bhopal.

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

Percentage Rate Tender & Contract for Works

Tender for the work of: -

“ Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.”

- (i) E-tenders to be submitted by 15.00 hours on 13.07.2026 to the Assistant Engineer (Elect.)-I, CPWD, Bhopal.
- (ii) E-tenders to be opened at 15.30 hours on 13.07.2026 in the office of the Assistant Engineer (Elect.)-I, CPWD, Bhopal.

Issued to**e-tender**.....

Signature of officer issuing the documents

Designation Assistant Engineer (Elect.)-I, CPWD, Bhopal.

Date of Issue
”

- (i) E-tenders to be submitted by 15.00 hours on _____ to the Assistant Engineer (Elect.)-I, CPWD, Bhopal.
- (ii) E-tenders to be opened at 15.30 hours on _____ in the office of the Assistant Engineer (Elect.)-I, CPWD, Bhopal.

Issued to**e-tender**.....

Signature of officer issuing the documents

Designation Assistant Engineer (Elect.)-I, CPWD, Bhopal.

Date of Issue

निविदा T E N D E R

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ङ, और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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.

मैं/हम, एतद्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा-मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम-1 और ठेके की शर्तों के खंड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

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 due date of opening of financial bid and not to make any modification in its terms and conditions.

₹ **2,218.00/-** की धनराशि, धरोहर राशि के रूप में ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/ अनुसूचित बैंक की सावधी जमा रसीद/ अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि भारत के उक्त राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/ हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति-निपेक्ष के रूप में रोक ली जाएगी। इसके अतिरिक्त मैं/ हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/ हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of ₹ **2,218.00/-** is hereby forwarded in Multiple Treasury Challan or Demand Draft or Pay order or banker's Cheque or Deposit at Call Receipt / Fixed Deposit receipts of a scheduled bank / demand draft of a scheduled bank/bank guarantee issued by a scheduled 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 his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said Performance Guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. **Further, I/we agree that in case of forfeiture of earnest money 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 aviolation 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.

मैं/ हम एतद्वारा घोषणा करते हैं कि मैं/ हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/ गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ ली गई जानकारी किसी अन्य को, जिन्हें मैं/ हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

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.

तारीख Dated #.....

टेकेदार के हस्ताक्षर Signature of Contractor#

डाक का पता Postal Address#

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #

To be filled in by the contractor/witness as applicable

स्वीकृति ACCEPTANCE

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए ₹ (रुपए) की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of ₹. _____ *

(Rupees _____ * _____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

- a) *
- b) *
- c) *

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of the President of India.

हस्ताक्षर Signature

तारीख Dated *

पदनाम Designation

* To be filled in by Assistant Engineer (Elect.)-I, CPWD, Bhopal.

अनुसूची 'क' SCHEDULE 'A'

मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed)

As per schedule of work attached.

अनुसूची 'ख' SCHEDULE 'B'

ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

क्रम. सं. S.No.	मद विवरण Description of item	मात्रा Quantity	जिस दर पर सामग्रियां ठेकेदार को प्रभारित होगी वह दर अंकों एवं शब्दों में Rates in figures & words at which the material will be charged to the contractor	निर्गत स्थान Place of Issue
1	2	3	4	5
NIL				

अनुसूची 'ग' SCHEDULE 'C'

ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

क्रम सं. Sl. No.	विवरण Description	भाड़ा प्रभार प्रतिदिन Hire charges per day	निर्गत स्थान Place of Issue
1	2	3	4
NIL			

अनुसूची 'घ' SCHEDULE 'D'

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची

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

As per additional condition & specification attached.

अनुसूची (ड) SCHEDULE 'E'

ठेके की सामान्य शर्तों का संदर्भ

Reference to General Conditions of contract

कार्य का नाम Name of work :

कार्य की अनुमानित लागत Estimated cost of work

(i) धरोहर राशि Earnest money:

(ii) निष्पादन गारंटी Performance guarantee :

(iii) प्रतिभूति निक्षेप: Security Deposit:

अनुसूची 'च' SCHEDULE 'F'

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी

Officer inviting tender -

कार्य की मर्दों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित मर्दों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.

Definitions:

2(v) भारसाधक इंजीनियर

Engineer-in-Charge

2(viii) स्वीकार कर्ता प्राधिकारी

Accepting Authority

2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिशतता

Percentage on cost of materials and labour to cover all overheads and profits.

2(xi) दरों की मानक अनुसूची

Standard schedule of Rates

2(xii) विभाग

Department

9(ii) मानक के.लो.नि.वि. ठेका फार्म

Standard CPWD contract Form GCC 2023

CPWD Form 7/8 as modified & corrected upto

General conditions of contract for CPWD works 2023 (Maintenance Work) as amended upto date pervious day of the last date of submission of the tender.

Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.

Cost : ₹ 1,10,905 /-

₹ 2,218/- (To be returned after receiving Performance Guarantee)

Applicable As per OM no. DG/Manual-2024/20, Dated 27.02.2026

2.5% of tendered value

OR

2.5% of tendered value plus 50% of performance guarantee for contract, involving maintenance of the building, Bhopal)ing and services / other work after construction of same building, Bhopal)ing and services / other work.

AE (E)-I, CPWD Bhopal.

निम्नानुसार

see below

AE (E)-I, CPWD Bhopal.

AE (E)-I, CPWD Bhopal.

15% (Fifteen per cent)

Delhi Schedule of rate 2025 for internal electrical works with correction slips issued upto date of receipt of tender.

Central Public Works Department

Standard CPWD contract Form General

Conditions of contract Maintenance Works

2023, CPWD Form 7 as modified & corrected

Up to previous day of the last date of

submission of the tender.

खण्ड Clause 1

- (i) स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय
Time allowed for submission of performance guarantee **Programme Chart (Time and Progress) and applicable Labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof** from the date of issue of letter of acceptance : 07 days
- (ii) (उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमेय एक्सटेंशन
Maximum allowable extension with late fee @ 0.10% per day of performance guarantee amount beyond the period as provided in (i) above : 03 days

खण्ड Clause 2

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी
Authority for fixing compensation under clause 2

**Chief Engineer (Bhopal)
CPWD, Bhopal.**

खण्ड Clause 2A

क्या खण्ड 2 क लागू होगा

Whether clause 2A shall be applicable

No

खण्ड Clause 5

कार्य आरंभ की तारीख की गणना के लिए स्वीकृति पत्र के जारी होने की तारीख से दिनों की संख्या

No. of days from the date of issue of letter of acceptance for reckoning date of start

10 days.

लक्ष्य नीचे दी गई सारणी के अनुसार
Milestone(s) : - as per Table given below

लक्ष्य (मील-पत्थर) सारणी

Table of milestone(s)

S No	Discription of Milestone (Physical)	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of milestone
1.			
2.			

कार्य निष्पादित करने के लिए अनुमत्य समय

Time allowed for execution of work

Authority to decide

01 (One) Month.

- (I) Authority to convey the decision of shifting of milestone and Extension of Time

EE (E), CPWD Bhopal.

- (iii) Authority to decide Rescheduling of mile stones and extension of time

CE(Bhopal), CPWD, Bhopal or his successor

- (iii) Shifting of date of start in case of Delay in handing over of site

CE(Bhopal), CPWD, Bhopal or his successor

खण्ड Clause 6, 6A

खंड लागू-(6 या 6 क) Clause applicable

6 A

खण्ड Clause 7

अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य
Gross work to be done together with net payment/adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment.

As per GCC

Clause 7 (A) Whether Clause 7A shall be applicable**Yes / NO****खण्ड 10 क Clause 10A**

कार्यस्थल प्रयोगशाला में टेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची

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

All equipments & tools for carrying out the routine test of E&M equipments at site.

खण्ड Clause 10B(ii)

क्या खण्ड 10 ख (ii) लागू होगा

Whether clause 10B (ii) shall be applicable

No**खण्ड Clause 10C**

Component of labour expressed as Percent of value of work

NA**खण्ड Clause 10CA**

Material covered under this clause	Nearest materials (Other than cement, reinforcement bars and structural steel) for which All India Whole Sale Price Index is to be followed.	Base Price of all materials covered under clause 10 CA *
.....NIL.....		

खण्ड Clause 10CC

खण्ड 10 गग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।

Clause 10CC to be applicable in contracts with stipulated period of compensation exceeding the period shown in next column

: Not applicable

खण्ड Clause 11

कार्य निष्पादन के लिए अनुपालन

Specifications to be followed for execution of work

CPWD specification for electrical works :-

Part-I Internal – 2023, Part-II External -2023, Part-III-Lift & Escalators - 2003, Part-IV Sub Station – 2013, Part V Wet Riser & Sprinkler Systems – 2020, Part VI Fire Detection and Alarm System – 2018, Part VII D.G. Sets - 2013, Part VIII Gas Based Fire Extinguishing System 2013 , CPWD General Specification for Medical Gas Pipe System 2022, PWD General Specification for Pneumatic Tube Transport System 2022

खण्ड Clause 12

Type of Work

Maintenance Work

12.2 & 12.3

विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे

Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work (Other than foundation)

12.5

(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead of DSR and related items)

(ii) Deviation limit for items mentioned in earth work subhead of DSR and related items

Applicable as per OM No.DG/CON/Maint2023/03

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी
Competent Authority for deciding
reduced rates

Chief Engineer (Bhopal) CPWD, Bhopal

खण्ड Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य
मशीनरी औजार एवं सयंत्रों की सूची :-

List of mandatory machines, tools and
Plants to be deployed by the contractor at site

**All tools & plants as required to carry out
The electrical work.**

खण्ड Clause 25

Conciliator	Additional Director General (Region Bhopal)
Arbitrator Appointing Authority	Chief Engineer, Bhopal
Place of Arbitration	To be decided by the Arbitral Tribunal in consultation with both the parties, failing any such agreement, then the Arbitral Tribunal shall decide the Venue

खण्ड Clause 31

Whether clause 31 shall be applicable

Yes

खण्ड Clause 32

"Requirement of Technical Representative(s) and Recovery Rate

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation(Principal Technical representative	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clauses 36(i)	
						Figure	Words
-----NA-----							

**Price Preference to SC/ST
individual Contractor -**

**Applicable as per OM No. DG/CON/Maintenance 2023/09,
Dated 30/06/2024**

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words)) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of20... .

THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor, OR
 - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor, OR
 - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date.* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

SAFETY MEASURES AT SITE

(A)

In order to ensure safe construction, following shall be adhered for strict compliance at the site:-

- (i) The work site shall be properly barricaded.
- (ii) Adequate signage indicating 'Work in Progress – Inconvenience caused is Regretted' or Diversion Signs shall be put on the sites conspicuously visible to the public even during night hours. These are extremely essential where works are carried out at public places in use by the public.
- (iii) The construction melba at site shall be regularly removed on daily basis.
- (iv) All field officials and the workers must be provided with safety helmets, safety shoes and safety belts.
- (v) Proper MS pipe scaffoldings with work – platforms and easy-access ladders shall be provided at site to avoid accidents.
- (vi) Necessary First-Aid kit shall be available at the site.

The above provisions shall be followed in addition to the provisions of General Condition of Contract.

(B)

The Contractor has to take care of all safety measures required during execution of work for protection of his own labour as well as the residence residing there in the campus. In case of any accident happens in the campus during execution, due to lack of safety measures or any other reason what so ever, the agency is fully responsible and all the expenses on this account shall be bear by the contractor and nothing extra on this account shall be paid to the contractor and CPWD will not be responsible at all.

FORMAT FOR UNDERTAKING FOR SITE INSPECTION**To,****The Assistant Engineer (E.),
C.P.W.D., Bhopal.****I/we hereby give an undertaking for the given work as follows:****NIT No.:- 40/EE(E)/Bhopal/2026-27****Name of work: Repairing, testing and commissioning of 33/0.433 kV, 500 kVA copper wound oil immersed transformer due to failure of one phase on the LT side at SSB Chandukhedi campus.**

I/we have inspected and examined the site and its surroundings is / are satisfied before submitting our bid 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 I/we may require and in general shall myself / ourselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid. I/we shall be deemed to have full knowledge of the site whether I/we inspect it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. I/we shall be responsible for arranging and maintaining at our 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 I/we implie(s) that I/we have read this notice and all other contract documents and has made myself / ourself 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 us by the Government and local conditions and other factors having a bearing on the execution of the work.

Place :

Date :

Yours faithfully

(Signatures of Bidder(s))

ADDITIONAL SPECIFICATIONS
(For Internal & External Work)

- 1.0** All the works shall be carried out as per CPWD General Specifications for Electrical Works Part-I (Internal) 2023 & Part-II (External) 2023, amended up to the last date of submission of tender.
- 2.0 Conformity to IE act, IE Rules, and standards:**
 All electrical works shall be carried out in accordance with the provisions of Indian Electricity Act, 1910 and Indian Electricity Rules, 1956 amended up to the last date of submission of tender unless specified otherwise. List of rules of particular importance to electrical installations under these General Specifications for internal works is given for reference.
- 3.0 General requirements of components:**
- 3.1 Quality of material:** All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.
- The model of equivalent make shall be approved by Engineer – in- charge on producing relevant paper of the model and equivalent make shall be equal or more rich specification.
- 3.2 Use of quality materials:** Only quality materials of reputed make as specified in the tender will be used in work.
- 3.3** Samples of all materials, fittings and other materials/articles required for execution of the work shall be got approved from the Engineer-in-charge. Materials / articles manufactured by the firms of repute as indicated in tender documents and approved by the Engineer-in-charge shall only be used. **The date of manufacturing of All the equipment and materials shall not be more than Six months old from the date of award of work.**
All the materials and equipments shall be procured directly from manufacturer or authorized dealers only.
- 3.4** Even ISI marked materials shall be subjected to quality test at the discretion of the Engineer-in-charge besides testing of other materials as per the specifications described for the item/material. Whenever ISI marked materials are brought to the site of work; the contractor shall, if required by the Engineer-in-Charge, furnish manufacturers test certificates to establish that the materials procured by the contractor for incorporation in the work satisfy the provisions of IS codes relevant to the material and/or the work done.
- 3.5** The MCB should be 10 KA breaking Capacity and of same make as that of MCB DBs.
- 3.6** The fan box cover shall be made from 3mm thick phenolic laminated sheet as per CPWD specification.
- 3.7** The contractor shall provide only metallic junction boxes/looping boxes with cover of required sizes even in PVC conducting and such boxes shall be measured as a part of conduit/wiring without any extra payment.
- 3.8** The metallic junction boxes & looping boxes shall be covered with approved makes of phenolic laminated sheet. For telephone, television & fire alarm system shall be provided at all the floors within scope of work without any extra cost as per requirement & layout approved by Engineer-in-charge.

Ratings of components:

- 4.0 All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installations in which they are used.
- 4.2 All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.

5.0 Conformity to standards:

- 5.1 All components shall conform to relevant Indian Standard Specifications wherever existing. Materials with ISI certification mark shall be preferred.
- 5.2 Relevant Indian Standards including amendments or revisions thereof up to the last date of submission of tender shall be applicable in the respective contracts for respective items, firm to ensure its compliance.
- 5.3 The connections of switches, sensors, earthing conductors & interconnections cables shall be made by adequate rating thimbles of approved standard makes only and nothing extra on this account shall be paid.
- 5.4 Material to be used in the work shall be ISI marked. The make of material have been indicated in the list of acceptable makes. No other make will be acceptable. The material to be used in the work shall be got approved from the Engineer-in-charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.
- 5.5 Modular type switches / sockets / telephone outlets / TV sockets are to be provided wherever indicated in the items. The same shall be of only one make. The modular plates of switches, sockets, telephone & TV sockets etc. shall be in two parts i.e. plates with frames with in quoted rates.

6.0 Interchangeability:

Similar parts of all switches, lamp holders, distribution fuse boards, Switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.

7.0 Inspection of materials and equipments:

- 7.1 Materials and equipments to be used in the work shall be inspected by the departmental officers. Such inspection will be of following categories:
- Inspection of materials / equipments to be witnessed at the Manufacturer's premises in accordance with relevant BIS / Agreement Inspection Procedure.
 - To receive materials at site with Manufacturer's Test Certificate(s)
 - To inspect materials at the authorized dealer's godown to ensure delivery of genuine materials at site.
 - To receive materials after physical inspection at site.

- 7.2 Adequate care to ensure that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall ensure that:
- a) Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.
 - b) As and when the order is placed for the fittings / fixtures, cables, switchgears, poles, rising main, other main items etc, its copy shall be endorsed to the CPWD Engineer-in-charge.
 - c) The firm will be required to procure material like exhaust fans, MCB's & DB's, switches & sockets, wires & cables, conduits and switchgears etc directly from the manufacturer/ authorized dealers to ensure genuineness & quality and as per the approved makes only. Proof in this regard shall be submitted by the contractor if required by the department.
 - d) Inspection at factory or at godown of the manufacturer, as required, shall be arranged by the firm for a mutually agreed date. Certificate for genuineness of the fittings shall have to be provided duly signed by the manufacturer's officer not below the rank of Regional Manager.
 - e) Delivery of material shall be taken up only with the consent of department, after clearance of the material.
 - f) Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.
- 7.3 Similarly, for fabricated equipments, the contractor will first submit dimensional detailed drawings for approval before fabrication is taken up in the factory. Suitable stage inspection at factory also will be made to ensure proper use of materials, workmanship and quality control.
- 7.4 The contractor shall give a trial run of the equipments and machinery for establishing its capability to achieve the specifications within laid down tolerances to the satisfaction of the Engineer-in-charge before commencement of work.
- 8.0 **Workmanship:**
- 8.1 Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.
- 8.2 **Proper supervision/skilled workmen:** The contractor shall engage suitably skilled/licensed workmen of various categories for execution of work duly supervised by technical representative having appropriate qualification and experience to ensure proper execution of work. They will carry out instruction of Engineer-in-charge and his authorized representatives during the progress of work.
- 8.3 **Fabrication in reputed workshop:** Switch boards and LT panels shall be fabricated in a factory/workshop having modern facilities like quality fabrication, seven tank processes, powder / epoxy paint plant, proper testing facilities, manned by qualified technical personnel. These shall be as per make / item approved.
- 8.4 The contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipments to execute the work.
- 9.0 **Provisions for services and proper planned work:-**
- 9.1 The main contractor shall leave such recesses, holes, openings, etc., as may be required for the electric, air conditioning and other related works. The main contractor has also to fix inserts,

sleeves, brackets, conduits, base plates, insert plates, clamps etc if any at the time of casting of concrete, stone work & brick work. These inserts, sleeves, brackets, conduits,

base plates, insert plates, clamps etc shall be arranged by the contractor and shall be paid accordingly if these are not the part of equipment for which it is being provided.

- 9.2 The contractor shall ensure quality construction in a planned and time bound manner. Any substandard material or work which is not within permissible tolerance limits shall be summarily rejected by the Engineer-in-Charge.
- 9.3 The contractor shall make sample as per timeline mentioned in the milestone given of this tender document using all approved materials, for approval of Engineer-in-charge before commencement of execution of mass scale work.
- 9.4 Check nuts shall be provided while terminating the M.S. conduits in switch board boxes for which nothing extra shall be paid.
- 9.5 All distribution boards shall be marked with circuits controlling the rooms/area/SDB controlled.
- 9.6 While deciding the size of switch boxes for light points / fan point / exhaust fan point, two extra modules shall be provided for each fan point for fixing of regulator (fan regulator is to be provided under different item). Wherever extra modules are available, the same shall be provided with blanking plates without any extra cost.
- 9.7 Contractor will not provide any ceiling rose/connector/looping box etc wherever false ceiling is being provided. The point wiring in that case will be extended up to the fitting/fan etc. directly without provisions of any termination arrangement in between. The wire from the end point up to the fixture shall be considered to be included in the point wiring. Nothing extra shall be paid for the same.
- 9.8 Wherever providing of rigid conduits is not possible, flexible conduit pipe shall be provided for drawing/running the wires. However, such arrangement has to be kept minimum and only with the prior approval of Engineer-in-charge or his authorized representative.
- 9.9 Earthing and all items of work that cannot be checked later on are to be got approved from Engineer-in-charge or his authorized representative before proceeding further.
- 9.10 The firm shall use only electrically operated chase cutting machine for cutting the chases in the wall for recessed conduit wiring.
- 9.11 The contractor shall follow the shortest route for circuits, sub main, point wiring etc.
- 9.12 Colour coding as per specification shall be adopted in the wiring system.
- 9.13 Tinned copper earthing lugs / Thimbles / ferrules shall be provided for termination of earth wire to all Metallic outlet boxes / fittings / fixtures / fan regulator / MCB DB / switch board / Meter board etc., properly crimped / brazed / soldered for which nothing extra shall be paid.
- 9.14 A suitable brass / tinned copper neutral link shall be fixed at suitable place in the Metallic
- 9.15 outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
- 9.16 To facilitate drawing of wires 16 / 18 SWG GI fish wire shall be provided along with laying of

recessed conduit. Nothing extra shall be paid on this account.

- 9.17 All hardware items such as screws, thimbles, connectors, earth / neutral terminals, wires etc. which are essentially required for completing any item as per specifications will be deemed to have been included in the item even when the same have not been specifically mentioned.
- 9.18 All hardware material such as nuts / bolts / screws / washers etc. to be used in the work shall be zinc / cadmium plated iron. The galvanised boxes of modular switch / sockets etc. shall be of the same make as of switch / socket etc.
- 9.19 While laying conduit, suitable minimum number of junction boxes shall be left for pulling the wires. These shall be placed in such a way that the same do not remain noticeable.
- 9.20 A suitable brass / tinned copper neutral link shall be fixed at suitable place in the Metallic outlet boxes of all sizes to terminate neutral wire properly. Nothing extra shall be paid on this account.
- 9.21 The ceiling roses wherever required to be provided are included in the scope of work without extra payment and the same shall also be of modular type & of the same make as that of switches & sockets along with earthing provision.

10.0 **Testing:**

All tests prescribed in this General Specification to be done before, during and after installation shall be carried out, and the details of test results shall be submitted to the Engineer-in-charge in approved format, that shall form part of the completion certificate of this component.

11.0 **Commissioning on completion:**

After the work is completed, it shall be ensured that the installation is tested and commissioned.

12.0 **Completion plan and completion certificate along with guarantee:**

- 12.1 The main contractor through his associate shall submit completion plan as required vide General Specifications for Electrical works (Part-I internal) 2023 and (Part-II External) 2023 as applicable within time as stipulated in milestones.

In case, the main contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent as stipulated in clause-8B of General Condition of Contract – 2023 amended up to last date of submission of tender.

- 12.2 Three sets of completion plan as well as in soft copy drawn to a suitable scale indicating the following shall also be submitted:
- (i) General layout of the building.
 - (ii) Locations of main switchboard and distribution boards, indicating the circuit numbers controlled by them.
 - (iii) Position of all points and their controls.
 - (iv) Types of fittings, viz. fluorescent, pendants, brackets, bulk head, fans, exhaust fans etc.
 - (v) Name of work, job number, tender reference, actual date of completion, names of Division/Sub-division and name of the main contractor and associate both who executed the work with their signature.

Guarantee: The complete installation will be handed over to the department after necessary testing and commissioning. The installation will be guaranteed against any defective design / workmanship. Similarly, the materials supplied by the contractor will be guaranteed against any manufacturing defect, inferior quality. The guarantee period will be for a period of 12 months from the date of handing over of installation to the department. Installation/ equipments or components thereof shall be rectified/ repaired to the satisfaction of the Engineer-in-charge. Guarantee on material/equipment given by the manufacturer whatsoever have to be submitted by the main contractor and his associate to the department.

- 13.0 The main contractor and his associate has to go through the site order book regularly and has to sign the same by authorised representative and carryout the instructions recorded therein by various officers of the department.
- 14.0 The quantities of various items may vary from the quantities given in schedule of work. The agency shall bring the various items & materials as per actual requirement at site. Excess quantities shall not be accepted & paid by the department.
15. Dismantled material received at site shall be return back to the department, and nothing extra shall be paid unless where not specified in the schedule of work.
16. **The rates quoted shall be inclusive of all taxes and duties, no extra shall be paid on this account.**

Assistant Engineer(E)-1
C.P.W.D., Bhopal