



GOVERNMENT OF INDIA
CENTRAL PUBLICWORKSDEPARTMENT
OFFICE OF THE ASSISTANT ENGINEER (E)-II/III
CPWD, 7th floor, CGO TOWER, KAVADIGUDA
SECUNDERABAD-500 080.

NOTICE INVITING "e-TENDER"

NIT No. 89/AE(E)-II/III/EE(E)-HYD-II/2026-27

Name of Work: **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.**

Estimated Cost put to Tender: **Rs. 5,10,851**

INDEX

Name of Work: **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.**

S.No.	Contents	Page No.
1	Index	2
2	Notice Inviting e-tender	3
3	Information and instruction for Contractor for tendering	4-7
4	CPWD-6	8-11
5	Percentage tender for works(FormCPWD-7) i/c Schedule A to F	12-20
6	Integrity Pact	21-27
7	Form of Earnest Money(Bank Guarantee)	28
8	Format of Receipt of Deposition of Original EMD,	29
9	Form of Performance Security	30-31
11	Special conditions	32-35
13	General Terms & Conditions applicable for all E&M	36-42
14	Annexure-X	43
15	List of approved makes	44
16	COVID-19	45-47
17	Schedule of Work	48-49
18	ABSTRACT OF COST	50

Certified that this NIT comprising Page No.1 to 50

Assistant Engineer(Elect.)-II/III,
CPWD, Hyderabad.

CENTRALPUBLICWORKSDEPARTMENT NOTICE
INVITING e-TENDERS

The Assistant Engineer (E)-II/III, C.P.W.D., CGO Tower, Kavadiguda, Hyderabad –500080(email id: ae6cpwdhyd@gmail.com)on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work:

NITNo.89/AE(E)-II/III/EE(E)-HYD-II/2026-27 Name of Work: - Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad. ECPT: Rs. 5,10,851, EMD: Rs. 10,217/- Period of Completion: 01(One) Month, Last date and time of submission of bid: up to 15:00 Hrs on 16/09/2026. Date of opening of bid: at 15:30Hrs on 16/09/2026.

The Tender forms and other details can be obtained from the website <https://entender.cpwd.gov.in> and www.eprocure.gov.in.

Not to be published below this line

Assistant Engineer(Elect.)-II/III,
CPWD, Hyderabad.

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Assistant Engineer (E)-II/III, C.P.W.D., CGO Tower, Kawadiguda, Hyderabad –500080 (email id: ae6cpwdhyd@gmail.com) on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work:

S.No.	Description	Details
1	NIT No.	89/AE(E)-II/III/EE(E)-HYD-II/2026-27
2	Name of work & Location	Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.
3	Estimated cost put to tender	Rs.5,10,851
4	Earnest Money Deposit(EMD)	Rs.10,217/-
5	Period of completion	01 (One) Months
6	Last date & time of submission of bid, EMD, e-tender processing fee and other Documents	upto15:00Hrs on 16/09/2026
7	Time & date of opening of Price bid	at15:30Hrs on 16/09/2026.

1. The firms/ contractors who fulfill the following requirements shall be eligible to participate in tender. Joint Ventures are not accepted.
2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The bid document consisting of specifications and the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://entender.cpwd.gov.in> or www.eprocure.gov.in. free of cost.
5. Bidders are advised to keep visiting the above-mentioned web-sites from time to time (till the dead line for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

6. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Bankers Cheque or Deposit at Call Receipt or Fixed Deposit Receipt drawn in favour of **Executive Engineer (E), HCED-I, C.P.W.D., Hyderabad** shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

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 may be deposited 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.

7. Copy of Enlistment Order/ Certificate of work experience / other documents as specified in the press notice shall be scanned and uploaded to thee-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.
8. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.
9. The bid can only be submitted after depositing e-tender Processing Fee as applicable in favour of ITI Limited through their e-gateway by credit/debitcard, internet banking or RTGS/NEFT facility.

The contractor 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 switchover to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.

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. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets
12. Contractor can upload documents in the form of JPG format and PDF format.
13. Contractor must ensure to quote the percentage above/below /at par. Therefore, if the cell percentage is left blank, the amount shall be computed as "0" (ZERO). Bidder has to take care of this point. The rates quoted by the tenderer, shall be firm and inclusive of all the prevailing taxes and GST etc.
14. 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.

15. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.
16. The prospective bidder shall use all information relating to the Tender which is obtained, whether in writing, pictorially form in connection with the Tender and other commercial information of a confidential nature exclusively for the purpose of Tender and not for any other purposes.
17. The bid submitted shall be come invalid if;
 - i. The bidder is found in eligible.
 - 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 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 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.

List of Documents to be filled in by the tenderers in various forms and to be scanned and uploaded in JPG/PDF format within the period of bid 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.
2. Enlistment Order of the Contractor.
3. Valid Electrical License of the state in which work being carried out
4. Bidder to upload receipt of deposition of EMD.
5. GST registration certificate of the state in which the work is to be taken up, if already obtained by the bidder.
6. ERP Training Certificate.

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 upload 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 the 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 account of the work executed and / or for any action taken by CPWD or GST department in this regard.

Assistant Engineer(Elect.)-II/III,
CPWD, Hyderabad.

CPWD6fore-Tender

The Assistant Engineer (E)-II/III, C.P.W.D., CGO Tower, Kawadiguda, Hyderabad –500080 (email id: aee6cpwdhyd@gmail.com) on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work: **“Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.”**

The work is estimated to cost Rs. **5,10,851** This estimate however is given merely as a rough guide.

2. Agreement shall be drawn with the successful bidders on prescribed Form No.CPWD7/8 (or other Standard Form as mentioned) which is available as a Govt.of India Publication and also available on website www.eprocure.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 **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 bid documents.
4. The site for the work is available.
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://entender.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 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. **The bid can only be submitted after depositing e-tender Processing Fee as applicable in favour of ITI Limited through their e-gateway by credit/debitcard, internet banking or RTGS/NEFT facility.**
The contractor 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.
9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Bankers Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer(E), HCED-I, CPWD, Hyderabad** 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 web site by the intending bidder up to the specified bid submission date and time.

Apart of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited 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 Order / Certificate of work experience / 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.

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

The bids submitted shall be opened at **15:30 Hrs on 16/09/2026.**

10. The bid submitted shall be come invalid if;
 - i) The bidder is found in eligible.
 - 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 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.
11. The Contractor, whose bid is accepted, will be required to furnish performance guarantee of
 - i) **5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).**
 - ii) **Where the tendered amount is less than 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 eighty percent (80%) of the ECPT and the tendered amount** within the period specified in Schedule "F". This guarantee shall be in the form of cash (in case guarantee amount is less than Rs.10000/-) or Deposit at Call receipt of any scheduled bank/ Banker's Cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (incase 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 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 license/ 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. The description of the work is as follows:

“Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.”

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the for mandatory of the site, the means of access to the site, the accommodation they may require and in general' shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A 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 bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to be rejected.
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 gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India 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 **30 Days (Thirty Days)** from the date of opening of bid.

Further

- i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii) If any tenderer withdraw system tender or makes any modification in the terms and conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall be without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting bid shall form a part of the contract document. The successful bidder/contractors, 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 Bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

Assistant Engineer(Elect)-II/III,
CPWD, Hyderabad.

GOVERNMENT OF INDIA CENTRAL PUBLIC**WORKS DEPARTMENT**

STATE:-Telangana.

BRANCH:-E&M

ZONE:- Hyd-Region

DIVISION:- EE(E)-HYD-II

SUBDIVISION:- AE(E)-II/III-HYD

Percentage Rate Tender & Contract for Works

(A) Tender for the work of: -

Name of Work: - **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad."**

To be submitted online upto 15:00Hrs on **16/09/2026**.

To be opened online in the presence of tenderers who may be present at 15:30Hrs on **16/09/2026** in the office of the **Assistant Engineer (E)-II/III, CPWD, CGO Towers, Kavadiguda, Hyderabad**.

Issued to.....Tender document made available Online

Signature of the Officer issuing the documents.

Designation: The **Assistant Engineer(E)-II/III, CPWD, CGO Towers, Kavadiguda, Hyderabad**.

Date of issue **16/09/2026**. As per INFORMATION AND INSTRUCTIONS FOR BIDDERS

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable. Drawings & Designs, General Rules and Directions, Conditions of Contract, clause 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 documents for the work.

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

I/We agree to keep the bid open for **30 Days** from the date of opening of bid and not to make any modifications in its terms and conditions.

A sum of Rs. **10,217/-** is here by forwarded in Receipt Treasury Challan/Deposit at call Receipt of a Scheduled Bank/fixed deposit receipt of schedule bank/demand draft of a Scheduled bank /Bank Guarantee issued by a schedule bank, as earnest money. If/we, fail to furnish the prescribed performance guarantee within the 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, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in schedule "F" and 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 & Performance Guarantee as aforesaid, I/we shall be debarred for participation in there-tendering process of the work.

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

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

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

Dated.....

Signature of Contractor

Postal Address#

Witness:#Address: #

Occupation : #

ACCEPTANCE

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

_____ (Rupee
s* _____)

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

- i)*
- ii)*
- iii)*

For & on behalf of the President of India.

Signature.....

Dated*

Designation.....

SCHEDULES FOR WORKS**SCHEDULE "A" Schedule** of quantities (Enclosed)**SCHEDULE "B"** Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the Place of Material will be charged to the contractor	Issue
1	2	3	4	5

.....NIL.....

SCHEDULE "C"

Tools and plants to be hired to the contractor

Sl.No.	Description	Hire charges per day	Place of issue
1	2	3	4

.....NIL.....

SCHEDULE "D"

General conditions and requirements/documents for the work, if any, specification of work, if Any etc.

As attached.

SCHEDULE "E"

1. Reference to General Conditions of contract. General Conditions of Contract-2023

Construction Works for CPWD amended
up to the last date of submission
Of online tender.Name of Work: **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.**

- | | | |
|----------------------------|---|--|
| (a) Estimated cost of work | : | Rs. 5,10,851 |
| (b) Earnest money | : | Rs. 10,217/- |
| (c) Performance guarantee | : | i) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (ii) Where the tendered amount is less than 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 eighty percent (80%) of the ECPT and the tendered amount. |
| (d) Security Deposit | : | 2.5% of tendered amount. |

SCHEDULE.F

General Rules & Directions: General Conditions of Contract-2023 Construction Work for CPWD with up to date amendments (As on Date of opening of price bid) shall be read with NIT.

Officer inviting tender **Assistant Engineer(E)-II/III/CPWD/CGO Towers, Kavadiguda, Hyderabad.**

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. **100%**

Definitions:

2(v) Engineer-in-Charge **Assistant Engineer(E)-II/III/CPWD/CGO Towers, Kavadiguda, Hyderabad.**

2(viii) Accepting Authority **Assistant Engineer(E)-II/III/CPWD/CGO Towers, Kavadiguda, Hyderabad.**

2(x) Percentage on cost of materials and Labour to cover all over heads and profits. **15%**

2(xi) Standard schedule of Rates: **2025(E&M) and Market rates**

2(xii) Department: **Central Public Works Department**

9(ii) Standard CPWD contract form: **CPWD form 7/8 as modified and corrected up to last date of receipt of bid**

Amendments upto last date of submission of online tender shall be read with NIT

Clause1

(i) Time allowed for submission of Performance Guarantee Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including provident fund code No if applicable or Proof of applying thereof from the date of issue of letter of acceptance. **7Days**

(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above **3Days**

Clause2

Authority for fixing compensation under clause 2 **Executive Engineer(E)-II, Hyderabad CPWD, Hyderabad.**

Whether Clause 2 A shall be applicable. **No**

Clause 5

Number of days from the date of issue
Of letter of acceptance for reckoning date of start. **7Days**

Table of Milestones:

S. N O.	Description of Milestone (Physical)	Time allowed in days (from the date of start)	Amount to be withheld in case of non-achievement of milestone. (% of tendered amount of respective Electrical component)
-----NIL-----			

Time allowed for execution of work

01(One) Month

Authority to reschedule Milestones

**Assistant Engineer (E)-II/III/CPWD/CGO
Towers, Kavadiguda, Secunderabad.**Authority to give fair and reasonable extension of
time for completion of work.**Assistant Engineer (E)-II/III/CPWD/CGO
Towers, Kavadiguda, Secunderabad****Clause 6** Applicable**CMB/EMB (Electronic Measurement Book)
Through ERP (As per circular DG/CON
Maintenance 2020/338, Dt: 13/04/2023.****Clause7**

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

Mutually agreed by both parties

Clause 10 B(ii)-Whether Clause 10 B(ii) shall be applicable: **No**

Clause10CA-Whetherclause10CAshallbeapplicable N.A.

Clause10C-Whetherclause10Cshallbeapplicable **N.A.**

Materials covered under this clause	Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Whole sale Price Index to be Followed	Base Price of all the materials covered under clause10CA*
----- Not applicable -----		

Clause10CC- Clause 10CC to be applicable in contracts
With stipulated period of completion exceeding
The period shown in the next column. **N.A.**

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

Component of Civil - Xm.....% **50%**
(Except material covered under clause 10CA)
Electrical construction materials expressed as
percent of total value of work

Component of Labour expressed as percent of
total value of work Y% **50%**

Component of POL expressed as percent
Of total value of work Z% **NIL**

Specifications to be followed:

C.P.W.D. General Specification as
amended upto date, Additional
Conditions, General Conditions of
Contract and Technical Specifications

Clause12

Type of work: -

Maintenance Work

12.2&12.3 Deviation limit beyond which clause 12.2&12.3
Shall apply for electrical work & cabling.

100%

12.5 Deviation limit beyond which clause 12.2&12.3
Shall apply for foundation work.

N.A

Clause 16

Competent Authority for deciding reduced rates.

**Executive Engineer(E)-II, Hyderabad
CPWD, Hyderabad.**

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:
As required for timely execution of work.

Clause-25: Constitution of Dispute Redress Committee(DRC) As per clause 25GCC2023. CHIEF

ENGINEER-HYDERABAD, CPWD, Hyderabad"

a) FORTOTALCLAIMSUPTO25LAKHS

Dispute Redressed Committee			
Chairman	Member	Member	Presenting Officer
Superintending Engineer(Works cum TLQA), O/o ADG-RH	Executive Engineer, Office of CE-Hyderabad, CPWD	Executive Engineer(E), Warangal	Executive Engineer in Charge of the work

b) FORTOTALCLAIMSMORETHAN25LAKHS

Dispute Redressal Committee			
Chairman	Member	Member	Presenting Officer
Chief Engineer-Vijayawada, CPWD	Superintending Engineer (Works cum TLQA), O/o ADG-RH	Superintending Engineer, Warangal	Executive Engineer in charge of the work

Clause32:**Requirement of Technical Representative(s) and Recovery Rate**

Sl.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative	Minimum Experience	Number	Rate at which Recovery shall be Made from the Contractor in the event Of not fulfilling provisionofclause32	
						Figures	Words
-----Nil-----							

NOTE:.

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

Diploma Holder with minimum 10 years relevant experience with a reputed construction company 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.

Clause42

- (i) Schedule/Statement for determining theoretical: Not Applicable
quantity of cement and bitumen on the basis of
Delhi schedule of Rate 2025 printed by
C.P.W.D.
- (ii) Variations permissible on theoretical quantities
- a) Cement for works with estimated cost put to : Not Applicable
bid not more than Rs.5Lakh.
- b) Bitumen for all works : Not Applicable
- c) Steel Reinforcement and structural steel : Not Applicable
sections for each diameter, section and
Category
- d) All other material : Not Applicable

RECOVERYRATESFORQUANTITIESBEYONDPERMISSIBLEVARIATION

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
.....Not Applicable.....			

INTEGRITY PACT

To,

.....,

Sub: - NITNo.89/AE(E)-II/III/EE(E)-HYD-II/2026-27

Name of Work: - **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad."**

Dear Sir,

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

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

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

Yours faithfully

Assistant Engineer(Elect)-II/III,
 CPWD, Hyderabad.

INTEGRITYPACT

To,

The Assistant Engineer(Elect)-II/III,
CPWD, Hyderabad.

Sub: Submission of Tender for the Work: **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.**

Dear Sir,

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

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

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come in to existence when tender/ bid is finally accepted by CPWD.I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article1of the enclosed Integrity Agreement.

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

Yours faithfully

(Duly authorized signatory of the Bidder)

INTEGRITY AGREEMENT

This Integrity Agreement is made at.....on this.....day of...2026

BETWEEN

President of India represented through **Assistant Engineer(E)-II/III, CPWD, Hyd**, (Name of Division) CPWD, Hyderabad-500080..... (Here in after referred as the (Address of Division)

„Principal/Owner“, which expression shall unless repugnant to the meaning or context thereof include its success or sand permitted assigns)

AND

(Name and Address of the Individual/firm/Company)

through..... (Here in after referred to as the (Details of duly authorized signatory) “Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal/ Owner has floated the Tender (NIT **No.89/AE(E)-II/III/EE(E)-HYD-II/2026-27** (hereinafter referred to as “Tender/ Bid”) and intends to award, under laid down organizational procedure, contract for

(Name of work)

(Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.)

Here in after referred to as the “Contract”.

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

ANDWHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/ Bid documents and Contract between the parties.

NOW, Therefore, in consideration of mutual covenants contained in this Pact, the parties here by agree as follows and this Pact witnesses as under:

Article1: Commitment of the Principal/Owner

- 1) The Principal / Owner commits itself to take all measures necessary to Prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/ her family members, will in connection with the Tender or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/ Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles here in mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article2: Commitment of the Bidder(s)/Contractor(s)

- 1) It is required that each Bidder/ Contractor (including their respective officers, employees and agents) adhere to the high ethical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non- submission of bids or any other actions to restrict competitive or to cartelize in the bidding process. Competitiveness or to cartelize in the bidding process.

- c) The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass onto others, any information or documents provided by the Principal/ Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly, Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/ parallel tender for the same item.
- e) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful is representation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining un just advantage by or causing damage to justified interest of others and/ or to influence the procurement process to the detriment of the Government interests.
- 5) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article3: Consequences of Breach

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

- 1) If the Bidder(s)/ Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 day"s notice to the contractor shall have powers to disqualify the Bidder(s)/ Contractor(s) from the Tender process or terminate/ determine the Contract, if already executed or exclude the Bidder/ Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/ Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

- 2) Forfeiture of EMD/ Performance Guarantee/ Security Deposit: If the Principal/ Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contractor terminated/ determined the Contractor has accrued the right to terminate/ determine the Contract according to Article3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal /Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/ Contractor.
- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurredinthelast5years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes in correct statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article5: Equal Treatment of all Bidders/Contractors/Subcontractors

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

Article6-DurationofthePact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 60 Days after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

Article7-OtherProvisions

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

Article8-LEGALANDPRIORRIGHTS

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

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

(For and on behalf of Principal/Owner)

Assistant Engineer(E)-II/III, CPWD,
CGO Towers, Kavadiguda, Hyderabad

(For and on behalf of Bidder/ Contractor)

WITNESSES:

1.

(signature, name and address)

2.

(signature, name and address)

Place:

Dated:

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor (Name of contractor) (Hereinafter Called "the Contractor") has submitted his tender dated (Date) for The work " (Name of Work) (Here in after 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 to (Name and division of Executive Engineer) (Here in after called "the Engineer-in-charge") for the sum of Rs. (Rs. in words) only for which payment, well and truly, to be made to the said Engineer-in-Charge, the Bank binds itself, his success or sand assigns by these

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

of 20 THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor with draws, 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,

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of the 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.

The Guarantee will remain in force up to and including the date* after the dead line 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 Banks 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 7 months from last date or receipt of tender.

FORMAT OF RECEIPT OF DEPOSITION OF ORIGINAL EMD

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(RECEIPTNO...../DATE.....)#

NAME OF WORK: - **Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.**

2. NIT No.89/AE(E)-II/III/EE(E)-HYD-II/2026-27

3. ESTIMATED COST: **Rs.5,10,851**

4. AMOUNT OF EARNEST MONEY DEPOSIT: **Rs. 10,217/-**

5. LAST DATE OF SUBMISSION OF BID–upto15:00Hrs on **16/09/2026**

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/AE(P)/AE/AAO)
Along with Office Stamp

(#To be filled by EMD receiving EE)

FORM OF PERFORMANCE SECURITY (GUARANTEE) BANK GUARANTEE BOND

In consideration of the President of India (hereinafter called "the Government") having offered to accept the terms and conditions of the proposed agreement
between.....and.....

....

(Herein after called "the said contractor(s)" for the work.....(Herein a f t e r called" the said agreement') having agreed to production of an irrevocable Bank Guarantee for Rs.....Rupees.....only)as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We.....(*Indicate the name of Bank*)..... (Hereinafter referred to as "Bank") hereby undertake to pay to the Government an amount not exceeding Rs.....(Rupees.....)only, on demand by the Government.
2. We(indicate the name of 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 is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rs.....)only.
3. We, the said bank, further undertake to pay the Government any money so demand not withstanding any dispute or disputes raised by the contractor(s) in any suitor proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
4. We.....(indicate the name of the Bank) further agree that the guarantee here in contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till Engineer-in-Charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.
5. We.....(indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations here under 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 fore bear 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 for be arance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We (Indicate the name of bank) lastly under taken Otto revoke this Guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid up to unless e x t e n d e d o n demand by Government. Not with standing anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees) only
And unless acclain in writing is lodged with us with in six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee, shall stand discharged.

Dated, the.....Day of.....For(Indicate the name of the Bank)

Note:- Performance guarantee shall be valid upto **Six (06)** months after the time period allowed for the work.

Special Technical Conditions

1. The entire work shall be carried out strictly in accordance with the CPWD General Specifications for Electrical Works (Part-IV – Substation and Part-II – External), as amended up to date, relevant BIS/IS standards, approved manufacturers' recommendations and instructions of the Engineer-in-Charge.
2. All electrical installations and works shall comply with the applicable provisions of the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010, Electricity Rules/Regulations as applicable, and the requirements of the concerned State Electrical Inspectorate/CEIG and other statutory authorities.
3. The contractor shall possess a valid electrical contractor's licence issued by the competent authority, appropriate for execution of 11 kV/HT electrical works. A valid copy of the licence shall be submitted before commencement of work. All HT works shall be carried out under the supervision of a suitably qualified and authorised person having valid competency/authorisation for handling 11 kV installations.
4. A qualified and competent HT supervisor shall be available at site during all critical operations involving transformer servicing, isolation/de-isolation of HT equipment, cable termination/jointing, testing and commissioning.
5. All materials and equipment supplied under the contract shall be new, unused, of approved make and conforming to the relevant IS specifications and the requirements of the BOQ. The make and model of all major materials, including transformer oil, 11 kV XLPE cable, heat-shrinkable termination kits and earth-enhancing compound, shall be submitted for approval of the Engineer-in-Charge before procurement.
6. The insulating transformer oil supplied for topping-up shall be unused, approved grade and conforming to IS 335 (latest revision). The contractor shall submit the manufacturer's test certificate and relevant quality documents for the oil before filling.
7. The 11 kV XLPE cable shall conform to IS 7098 (Part-II), latest revision, and shall be ISI/BIS marked wherever applicable. The manufacturer's routine test certificate and relevant test data for the supplied cable shall be submitted to the Engineer-in-Charge before laying.
8. The heat-shrinkable indoor and outdoor termination kits shall be suitable for the 11 kV, 3-core XLPE aluminium conductor cable of the specified 300 sq. mm size, and shall be of an approved make, complete with all necessary stress-control components, insulation materials, lugs, glands, sealing arrangements and other accessories required for a complete termination.
9. Before commencement of testing or servicing, the contractor shall verify the condition of the existing transformer, cables, terminations, earthing and associated equipment and shall immediately bring any abnormality noticed to the attention of the Engineer-in-Charge.
10. The transformer shall be completely isolated, discharged, proved dead and suitably earthed before opening the transformer top cover, carrying out servicing or commencing any work on associated HT equipment. All safety precautions and approved shutdown procedures shall be strictly followed.
11. Transformer oil filtration shall be carried out using a suitable high-vacuum oil filtration/dehydration plant capable of effectively removing moisture, suspended impurities and dissolved gases, as applicable. The filtration equipment shall be in good working condition and suitable for the capacity and type of transformer.
12. The contractor shall carry out pre-filtration and post-filtration BDV tests of the transformer oil using a calibrated BDV testing apparatus. The test results shall be recorded and submitted to the

Engineer-in-Charge. Filtration shall continue until the oil achieves satisfactory BDV and other required quality parameters in accordance with the applicable standards/manufacturer's recommendations.

13. Transformer oil shall be handled carefully to prevent contamination by moisture, dust, foreign matter or other impurities. Clean, dry and suitable hoses, containers and filtration equipment shall be used for oil handling.
14. During transformer servicing, the top cover shall be dismantled and refitted carefully. All defective or deteriorated gaskets and oil seals, including those associated with the top cover, HV/LV bushings, conservator, oil level gauge, tap changer and Buchholz relay, as covered under the BOQ, shall be replaced with suitable new components.
15. Before refitting, all gasket seating surfaces, covers and associated components shall be thoroughly cleaned. The replacement gaskets shall be properly positioned and tightened uniformly to prevent subsequent oil leakage.
16. After completion of servicing and oil filling, the transformer shall be inspected for oil leakage, abnormal sound, overheating, loose connections and other visible defects before energisation.
17. The silica gel in the transformer breather shall be replaced with fresh, approved silica gel of suitable grade. The breather and associated fittings shall be cleaned and checked for proper operation and sealing.
18. Transformer painting shall be carried out only after proper surface preparation, including removal of loose paint, rust, dirt, oil and other contaminants. Suitable approved primer and finishing paint compatible with transformer surfaces shall be applied to achieve a uniform and durable finish.
19. All transformer tests specified in the BOQ shall be carried out after completion of servicing, including Insulation Resistance (IR), Voltage Ratio, Magnetic Balance, Magnetizing Current and Open Circuit (OC) tests, as applicable. Test results shall be recorded and compared with acceptable/manufacturer's values.
20. All testing instruments used for transformer, cable and earthing tests shall have valid calibration certificates traceable to a recognised/accredited laboratory. Copies of the calibration certificates shall be submitted to the Engineer-in-Charge before testing.
21. The contractor shall carry out suitable pre-commissioning tests on the 11 kV cable and its terminations, including insulation resistance and continuity tests, and any other tests required by the applicable standards/manufacturer's recommendations. Test results shall be recorded and submitted.
22. Cable laying in the existing masonry open duct shall be carried out carefully without damaging the cable. The cable shall be laid with proper bending radius, support, dressing and identification, and shall not be subjected to excessive pulling tension, sharp bends or mechanical stress.
23. The contractor shall inspect the existing masonry duct/trench before cable laying and shall ensure that it is reasonably free from sharp projections, debris, water accumulation and other conditions that may damage the cable. Any minor cleaning required for cable laying shall be included in the quoted rate.
24. Indoor and outdoor cable terminations shall be carried out strictly in accordance with the termination-kit manufacturer's installation procedure and shall be undertaken by trained/experienced personnel. Particular care shall be taken regarding cable preparation, stress control, insulation, screen continuity, sealing and crimping of lugs.

25. Cable lugs shall be of suitable approved type and size and shall be properly crimped using the manufacturer-recommended crimping tools/dies. All cable screens, armour and earthing connections shall be properly terminated and bonded as applicable.
26. After completion of cable termination, suitable phase identification, cable identification and danger/safety marking shall be provided as directed by the Engineer-in-Charge.
27. The contractor shall ensure proper phasing and phase sequence of the 11 kV cable before final connection and energisation. The cable shall not be energised until all testing and verification have been satisfactorily completed.
28. The contractor shall ensure proper continuity of all relevant equipment earthing, cable armour/screen earthing and transformer body earthing before commissioning. Any defective or loose earthing connection noticed during execution shall be brought to the notice of the Engineer-in-Charge.
29. All testing and commissioning shall be carried out in the presence of the Engineer-in-Charge or his authorised representative, wherever required. No HT equipment shall be energised without obtaining the necessary clearance/permission.
30. The contractor shall maintain proper test records and commissioning reports for the transformer, oil, 11 kV cables, terminations and earth pits. Complete test reports shall be submitted in a compiled manner after completion of the work.
31. All testing and commissioning activities shall be planned to cause minimum disturbance to the functioning of the campus/institution. Movement of the oil filtration plant, lifting equipment, vehicles, tools and materials shall be coordinated with the Engineer-in-Charge and the campus authorities.
32. The contractor shall take adequate precautions to protect the existing transformer, HT panels, cables, cable ducts, masonry structures, equipment foundations, buildings, roads and other services. Any damage caused due to the contractor's negligence or improper working methods shall be made good at his own cost to the satisfaction of the Engineer-in-Charge.
33. Transformer oil, chemicals and other materials shall be handled in a manner that prevents spillage and contamination of the premises. Suitable trays, containers and spill-control arrangements shall be provided during oil handling and filtration operations.
34. Used transformer oil, contaminated materials and other hazardous waste, if generated, shall be handled, stored and disposed of strictly in accordance with applicable environmental and statutory requirements and the directions of the Engineer-in-Charge. No oil or waste material shall be discharged into drains, soil or other unauthorised locations.
35. Empty oil containers/barrels, used gaskets, discarded silica gel, cable packing materials and other debris shall be removed promptly from the work area. Any material identified as departmental scrap shall be segregated and handed over to the Department as directed.
36. All tools, tackles, testing instruments, oil filtration equipment, lifting arrangements, temporary connections and other equipment required for execution of the work shall be arranged by the contractor. No separate payment shall be admissible unless specifically provided in the BOQ.
37. All work shall be planned so as to minimise interruption to the normal functioning of the building/facility. Shutdowns required for servicing shall be coordinated in advance with the Engineer-in-Charge.
38. The contractor shall provide appropriate PPE and safety equipment, including safety helmets, safety shoes, electrical insulating gloves, insulating mats, face shields, safety harnesses and other necessary protective equipment suitable for HT/substation work.

39. The work area shall be properly barricaded and provided with danger boards and warning signage during HT work. Unauthorised persons shall not be permitted within the work area, and adequate fire/safety arrangements shall be maintained throughout the work.
40. Any lifting equipment, oil filtration machinery or other equipment used at site shall be safe, suitable and properly maintained. The contractor shall be responsible for the safe operation of all machinery and equipment brought to site.
41. After completion of servicing and testing, the transformer and associated HT installation shall be restored to a safe, clean and fully operational condition. All covers, guards, cable trenches, ducts and protective arrangements shall be properly reinstated.
42. The contractor shall rectify, at no additional cost, any defect attributable to defective material or faulty workmanship observed during testing, commissioning or within the stipulated defect liability/guarantee period.
43. The completed work, including transformer servicing, oil filtration, cable laying, indoor/outdoor terminations and associated workmanship, shall be guaranteed against defective materials and workmanship for a minimum period of 12 months from the date of satisfactory commissioning and handing over, unless a longer period is specified elsewhere in the contract.
44. During the guarantee period, any defect attributable to the contractor's workmanship or supplied material shall be attended to and rectified/replaced by the contractor without any additional cost, including labour, transportation, testing and associated expenses.
45. Where any modification or work under the contract requires inspection, approval or clearance from the competent Electrical Inspectorate/CEIG or other statutory authority, the contractor shall provide all necessary assistance, technical documents and coordination for obtaining such clearance. Statutory fees, wherever applicable, shall be dealt with as specifically provided in the contract.
46. On completion of the work, the contractor shall submit all required manufacturer's certificates, material test certificates, calibration certificates, oil BDV test results, transformer test reports, cable test reports, termination records, earth resistance test reports and commissioning documents to the Engineer-in-Charge.
47. The work shall be considered complete only after successful testing, satisfactory commissioning, restoration of the installation and submission of all required test and quality documents, to the satisfaction of the Engineer-in-Charge.

//Contractor//

Assistant Engineer(E)-II/III,

GENERAL TERMS AND CONDITIONS APPLICABLE FOR ALL E&M COMPONENTS

1 GENERAL

1.1 The work shall be generally carried out in accordance with tender/bid specifications and the following specifications / rules.

- a) CPWD General Specifications for Electrical Work Part I Internal – 2013, as amended upto date
- b) CPWD General Specifications for Electrical Work Part-II External - 1994, as amended upto date
- c) CPWD General Specifications for Electrical Work Part-IV Substation –2013, as amended upto date
- d) CPWD General Specifications for Electrical Work Part V Wet Riser & Sprinkler system -2020, as amended upto date
- e) Commercial and Additional conditions for this work.
- f) The Indian Electricity Act, 2003, as amended upto date
- g) Indian Electricity Rules 1956 amended upto date

1.2 Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the Schedule of Quantities, technical specifications for individual items of work (including additional and commercial conditions) and IS Codes etc., the following order of preference shall be followed:

- a) Schedule of quantities
- b) Commercial and Additional conditions for this work
- c) General Conditions of Contract for CPWD Works
- d) Drawings
- e) CPWD General Specifications
- f) Relevant ISO any other International code in case IS code is not available.

These Commercial and Additional conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work.

1.3 This specification covers manufacture, testing as may be necessary before dispatch, delivery at site, all preparatory work, assembly and installation, commissioning putting into operation of equipment of all E&M components of the tender.

1.4 The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.

- 1.5 No T & P shall be issued by the Department and nothing extra shall be paid on account of this.

2 COMMERCIALCONDITIONS

2.1 Type of Contract: The work to be awarded by this tender shall be treated as indivisible works contract.

- 3 Income tax, GST, labour cess & other statutory deductions etc. shall be made at source as per the prevalent laws. The deductions of Security Deposit, Income- Tax etc. shall be done after calculation of the due payments and net payment shall be reduced accordingly.

4 RATES

4.1 The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including GST & labour cess), duties levies, octroi etc. and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site including temporary construction of storage, risks, over head charges, general liabilities/obligations and clearance from CEA.

4.2 The department will not issue Octroi exemption certificate.

4.3 The contractor has to carry out maintenance as per manufacturer's standards for a period of 12 months from the date of handing over. Nothing extra shall be paid on this account.

5 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.

6 STORAGE AND CUSTODY OF MATERIALS

The space, if available, may be used for storage of sundry materials and erection equipment's or else the agency has to make his own arrangements. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

7 CARE OF THE BUILDING:

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

8 COMPLETION PERIOD

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc., arrangement of materials & equipment's, delivery at site including transportation, installation, testing, commissioning and handing over of the entire system to the satisfaction of the Engineer-in-charge.

9 GUARANTEE

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

9.2 The tenderer shall guarantee among other things, the following:

- a. Quality, strength and performance of the materials used as per manufacturers standards.
- b. Safe mechanical and electrical stress on all parts under all specified conditions of operation.
- c. Satisfactory operation during the maintenance period.

10 POWER SUPPLY:

The contractor has to make its own arrangement for power supply required for execution of the work.

11 WATER SUPPLY:

The contractor has to make its own arrangement for water supply required for execution of the work.

12 ACCEPTABLE MAKES OF VARIOUS EQUIPMENTS:

The acceptable makes of various equipment's/components/accessories have been indicated in "Acceptable Makes" appended with the tender documents. The tenderer shall work out the cost of the offer on this basis. Alternate makes are not acceptable.

13 DATA MANUAL AND DRAWINGS TO BE FURNISHED BY THE TENDERER:

After award of work

- 13.1 The successful tenderer would be required to submit the following drawings after award of work for approval before commencement of installation.
- a) General arrangement drawing of all equipment's of E&M components as per Individual E&M component
 - b) Details of foundations for the equipment's and the weight so assembled equipment's.
 - c) Any other drawings necessary for the job.
- 14 The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturers for all items of equipment's regarding installation, adjustments operation and maintenance including preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue etc. all in triplicate.

15 EXTENT OF WORK

- 15.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender document in connection with this contract as this is a turnkey job.

15.2 The cables and other items shall be brought at site after taking correct measurements

15.3 In addition to supply, installation, testing and commissioning, of all E&M equipment, following works shall be deemed to be included within the scope of work to be executed by the tenderer as this is a turnkey job.

- a) Minor building works necessary for installation of equipment's, foundation, making of opening in walls or in floors and restoring them to their original condition finish and necessary grouting etc. as required.
- b) All necessary supports may be arranged.
- c) Testing of PTs/CTs for metering & protection purpose & relay calibration & setting.
- d) Getting CEA inspection done & obtaining approval for energizing the installation. However, necessary fees for inspection shall be borne by the Department.

- 16 Exclusion and work to be done by other agencies:
The following shall be excluded from the scope of the work:
- a) Major dismantling of any existing building work.
 - b) Electricity supply in sub-station building.

17 INSPECTION AND TESTING

17.1 All major equipment's shall be offered for initial inspection at manufacturer's works. The contractor will intimate the date of testing of equipment's at the manufacturer's works before dispatch. The successful tenderer shall give advance notice of minimum two weeks

regarding the dates proposed for such tests to the department's representative to facilitate his presence during testing.

The Engineer-in-charge or his representative may witness such testing. The cost of the Engineer's visit to the factory will be borne by the Department. Equipment's will be inspected at the manufacturer/ Authorized Dealers premises, before dispatch to the site by the contractor if so desired by the Engineer-in-charge. Engineer-in-charge at his discretion may waive of inspection at factory /at the manufacturer's works before dispatch.

17.2 Copies of all documents of routine and type test certificates of the equipment, carried out at the Manufacturer's premises shall be furnished to the Engineer-in-charge and consignee.

17.3 After completion of the work in all respects the contractor shall offer the installation for testing and operation.

18 COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS:

18.1 All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the

following:

- i) Factories Act.
- ii) Indian Electricity Rules.
- iii) B.I.S.& other standards as applicable.
- iv) Workmen's compensation Act.
- v) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.

19 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 contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment's 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 on account of the above.

20 ERECTION TOOLS:

No tools and tackles either for unloading or for shifting the equipment's for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

21 COOPERATION WITH OTHER AGENCIES:

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of buildings, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from the department for such technical

cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the

restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

22 VERIFICATION OF CORRECTNESS OF EQUIPMENT AT DESTINATION:

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

23 PAINTING:

This shall include cost of painting of the entire installation. The major equipment's like HT panel, transformers, L T panel, bus duct, cable trays etc. shall be factory final finish painted. The agency shall be required to do only touching to the damages caused to the painting during transportation, handling & installation at site, if there is no major damage to the painting. However hangers, supports etc. of bus trunking & cable tray etc. shall be painted with required shade including painting with two coats of anticorrosive primer paint at site.

24 TRAINING:

The scope of works includes the on job technical training of two persons of Department at site. Nothing extra shall be payable on this account.

27. Approval of drawings makes and models of equipment/materials for all E&M components:

27.1 The agency shall submit drawings and details such as makes and models of the equipment's/materials offered by him along with specifications for all E&M components to the Engineer-in-charge of the work, before ordering the equipment/materials for approval of the department.

27.2 The Engineer-in-charge shall scrutinize the proposal and approve the makes and models which are acceptable as per the schedule, specifications, conditions of the agreement and inform the agency for procurement. The approving authority shall be technical sanctioning authority of E&M component.

27.3 After approval of the equipment/materials by the department the agency shall procure the equipment/materials from the OEM/authorized distributor/dealer as the case may be:

28. Adequate care that only tested and genuine materials of proper quality are used in work shall be ensured by firm. The firm shall also ensure that:
 - i. Material will be ordered & delivered at site only with the prior approval of the department to ensure timely delivery.
 - ii. As and when the order is placed for the fittings/ fixtures, cables, switchgears, poles, other main items etc, its copy shall be endorsed to the CPWD Engineer-in-charge.

- iii. The contractor will submit makes & brands of electrical fittings wires & cables, conduits and switchgears, rising mains, poles, outdoor fittings etc. of preferred make list as per tender documents for approval of Engineer-In-Charge whose decision will be final in the matter.
- iv. The firm will be required to procure material 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.
- v. Inspection at factory or at go down, as required, shall be arranged by the firm for a mutually agreed date.
- vi. Delivery of material shall be taken up only with the consent of department, after clearance of the material.
- vii. Department shall reserve the right to waive inspection in lieu of suitable test certificate, at its discretion.
- viii. All the materials to be supplied by the contractor shall be procured & brought to site as per requirement at site of work in consultation with department so that these materials are not damaged & their manufacturer's warranty is not lost.

29. Safety Codes & Statutory Regulations:

- a. Nothing in this specification 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.
- b. Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs.1000/- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost thereof from him.

ANNEXURE-X**UNDERTAKING LETTER FROM MANUFACTURER OF LED FITTINGS**

Name of Work: Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.

Agreement No:

Name of Agency:

We hereby agree that

1. All the LED fittings supplied by us are guaranteed for five years including drivers from the date of handing over.
2. In case of discontinuation of model and non-availability of spares, we will replace the fittings with equivalent/ high end model in case of manufacturing defect during the warranty period of 5 years.

For M/S

(Authorised signatory of manufacturer of LED luminaires)

Counter Signature:

Major contractor

LIST OF PREFERRED MAKES OF MATERIAL

Sr. No.	Product	Make
	IEI & Fans	
1	11KV Grade HT Cable	KEI /Havells/Finolex/Fortune Art/Gloster/Anchor
2	All other items not covered above	As per approval of the Engineer-in-charge.

Note: -

Tenderers quoting for make & models other than above will be rejected.

The Assistant Engineer-II/III, CPWD, Hyderabad, reserves the right to add or delete any materials and Brands in the list of approved materials/brands.

//Contractor//

Assistant Engineer(E)-II/III
CPWD, Hyderabad.

Central Public Works Department Standard
Operating Procedures (SOPs) and
Guidelines for Construction Sites for
COVID-19 Outbreak

The following standard operating procedures and guidelines shall be followed at no extra cost:-

A. General Guidelines:

1. Thermal Scanning of everyone entering and exiting a construction site will be done for fever with thermal scanners. If anyone leaves and re-enters the site during the shift, re-screening of the individual will be done prior to re-entry into the work site.
2. PPE and other material requirements shall be provided as per requirement.
3. Provision for hand wash & sanitizer (touch free recommended) will be made at all entry and exit points and common areas (including at distant locations like higher floors). Everyone will be required to wash & sanitize his/her hands before entering the site and using PPEs. Same procedure to be followed after removing PPEs and exiting the premise. Sufficient quantities of all the items should be available at the site.
4. All Protocol including Emergency Response will be laid out. Periodic tailgate sessions will be arranged to review site protocols in view of highly dynamic scenario ensuring social distancing norms. During these sessions, everyone including workers will be informed about the safety guidelines and important updates. Necessary arrangements for announcements shall be made at every site.
5. Mandatory use of PPEs (face mask, hand gloves and other as applicable) by everyone entering the premise. Re-usable PPEs should be thoroughly cleaned and should not be shared with others.
6. Entire construction site including site office, labour camp, canteens, pathways, toilets, and entry / exit gates will be disinfected on daily basis. Housekeeping team should be provided with necessary PPEs.
7. There will be total Ban on non-essential visitors at sites (including from Head office staff, consultants etc.).
8. There will be strict ban on Gutka, Tambaku, Paan etc. on site and spitting shall be strictly prohibited.
9. Food should be consumed at designated area only ensuring social distancing.
10. Common sitting arrangements should be removed.
11. Post lunch, waste should be disposed by individual in designated bins and area should remain clean.
12. Areas with a probability of bigger gathering, for eg. cleaning area, toilets etc. should be identified and all arrangements should be made to ensure social distancing.
13. A doctor will be present periodically (at least once a week) at site on allotted time for any medical assistance.
14. Appropriate signage at construction sites spelling out safety practices in the language which is understood by all.

15. Hospital/clinics in the nearby area, which are authorized to treat COVID- '19 patients, should be identified and list should be available at Site all the time.
16. For any confusion, clarification and update, everyone should approach designated authority or rely on authentic source.
17. Rumorsshallbediscouragedandoffendersbewarned.
18. Anisolationroomshallbecreatedatsite.

B. GuidelinesforWorkers:

1. On day 0, before resuming the work on site post lockdown period, mandatory medical check-up will be arranged for all workers. The workers coming from outside will be quarantined for a period of at least 15 days. Only medically fit workers will be deployed at site and medical assistance will be arranged for unfit workers. Medical checkup camp should be arranged every month.
2. Thelaboursstayingatsitewillnotbeallowedtogoooutside.Alltheessentialitemswillbe madeavailable to labours atsiteonly. Ifnecessary, the workers cangoout wearingPPEs, after informing supervisor. Similarly, no outside labour will be allowed at site without following proper procedure and instructions.
3. Start time on site will be staggered to avoid congestion at the entry gates. Number of workers working at a particular time / place will be reduced by making arrangements for different shifts / areas. Accordingly, additional staff such as security guards, supervisors etc. will be deployed.
4. As in most cases, workers reside at the Sites, hence there is no need for any travel. For Workers staying outside, (which are always nearby) special transportation facility will be arranged without any dependency on the public transport system.
5. During attendance, training and other sessions, social distancing guidelines will be followed along with provision of no{ouch attendance.
6. Workersshouldnotshakehandswhengreetingothersandwhileworkingonthesite.
7. Workers shall avoid contact with sick people and avoid going to site if they are feeling sick, have fever, cough or shortness of breath. In such case, supervisor should be informed immediately.
8. Workers with such symptoms should notcome to site and should be placed in isolation and medical assistance will be provided on immediate basis.
9. Mandatorily wear face masks while working on site. While not wearing masks, worker shall cover his mouth and nose with tissues.
10. Cough/sneezeshouldbedoneinthecrookofone'sarmandyourelbow.
11. Avoid large gatherings or meetings of 10 people or more. Stay at least 6 feet away from others on job sites and in gatherings, meetings, and training sessions.
12. Not more lhan 214 persons (depending on size) will be allowed to travel in lifts orhoists. Use of staircase for climbing should be encouraged.
13. Workers should clean hands frequently by washing them with soap and water for at least 20 seconds. When hand washing isn't possible, alcohol based hand sanitizer with greater than 60% ethanol or 70% isopropanol should be used.

14. Workers should not share their belongings like food, water bottles, utensils, mobile phones etc. with others.
15. The utensils should be washed properly post use at designated place.
16. Post work, workers should change their clothes before leaving the site and clothing should not be shook out.
17. Avoid touching eyes, nose, or mouth with unwashed hands.

C. Guidelines for Material, Tools, Machinery, Vehicles etc:-

1. Wipe down interiors and door handle of machines or construction vehicles, the handles of equipment and tools that are shared, with disinfectant prior to using.
2. Non-touch waste bin with disposable garbage bag should be installed for waste collection at all common access areas.
3. Proper disposal of garbage should be ensured.
4. At all point of time, easy access to parking should be ensured since public transit is limited.
5. All construction material arriving at site should be left idle for 3 days before use to ensure safe usage.
6. All vehicles and machinery entering the premises should be disinfected by spray mandatorily.

D. Emergency protocol in case of detection of symptoms of COVID 19 to be observed by Project Manager of Contractor:-

1. Immediate shift worker to isolation room. Inform the Engineer-Incharge CPWD or his Nodal officer.
2. Call for a doctor.
3. Keep worker under observation for a few days in isolation room. In case of doubt act per advice of local doctor.
4. Covid testing shall be arranged as per instruction of Doctor and if so advised by Doctor move worker to Hospital.
5. Prevent rumours and take strict action against those who spread it.

//Contractor //

Assistant Engineer (E)-II/III,
CPWD, Hyderabad.

<u>Schedule of Work</u>						
Name of Work : Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFLUniversity (EFLU), Hyderabad.						
Sl.No	DSR-2025 /MR	Description of Item	Qty	Rate	Unit	Amount
1	MR	Carrying out servicing and preventive maintenance of the existing 500 kVA, 11/0.433 kV transformer, comprising high-vacuum transformer oil filtration including pre- and post-filtration BDV testing, replacement of silica gel in the breather, dismantling and refitting of the transformer top cover, replacement of all defective gaskets and oil seals including top cover, HV & LV bushings, conservator, oil level gauge, tap changer and Buchholz relay gaskets, complete painting of the transformer with approved paint, testing of the transformer including Insulation Resistance (IR) test, Voltage Ratio test, Magnetic Balance test, Magnetizing Current test and Open Circuit (OC) test, including transportation of the oil filtration machine and all necessary tools and equipment, submission of test reports, and commissioning of the transformer in satisfactory working condition, complete as required and as directed by the Engineer-in-Charge.	2	86431.00	Job	172862.00
2	MR	Providing and topping up approved grade unused insulating transformer oil conforming to IS 335 (latest revision) in the existing 500 kVA, 11/0.433 kV transformer, including handling, filling, necessary testing, and commissioning, complete as required and as directed by the Engineer-in-Charge.	100	206.00	Ltr	20600.00
3		Supplying of 11 kV grade XLPE insulated, electrically screened, armoured and overall PVC sheathed power cable with aluminium conductor, having galvanized round steel wire / steel strip armouring, ISI marked, suitable for laying in trench/duct/direct burial, conforming to IS: 7098 (Part-II) with latest amendments, of the following size				
3.1	MR	3 X 300 sq mm	40	6747.00	Metre	269880.00

4	22.4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required.				
4.1	22.4.2	Above 120 sq. mm and upto 400 sq. mm	40	146.00	Metre	5840.00
5	23.4	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:				
5.1	23.4.3	300 sq. mm	1	17414.00	Each	17414.00
6	23.5	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required :				
6.1	23.5.4	300 sq. mm	1	24255.00	Each	24255.00
				Total	Rs.	510851.00
				Grand Total	Rs.	5,10,851.00
				Say	Rs.	5,10,851.00

//Contractor //

Assistant Engineer (E)-II/III,
CPWD, Hyderabad.



Central Public Works Department

N.I.T.No.89/AE(E)-II/III/EE(E)-HYD-II/2026-27

Name of work:- Comprehensive Servicing, Preventive Maintenance and Testing of 500 kVA, 11/0.433 kV Distribution Transformers at the Substation of EFL University (EFLU), Hyderabad.

ABSTRACT OF COST

Name of the Contractor					
Sl.No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	Electrical	5,10,851.00			-
	Grand Total				-

Important Note:

1. The Estimated Cost Put to Tender has been worked out by 2025 items and considering the Market Rates for NSR items.
2. The tenderer is required to quote a single consolidated Percentage only above/below Estimated Cost to cover all the rates of all the items. This column should not be left blank, otherwise the tender shall be treated as INVALID.
3. The Percentage shall be typed only in figures up to 2 (two) places of decimal along with algebraic sign.
4. The tenderer shall enable the macros before entering the figures, to see the quoted percentage and amount in words.
5. If the Percentage quoted both in words and figures are not clear, or if the rate is not quoted in Percentage, the offer will be treated as INVALID.

//Contractor//

Assistant Engineer(E)-II/III,