



GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE EXECUTIVE ENGINEER (E)-II-HYD
HYDERABAD – 500 095.

"NOTICE INVITING" e-TENDER"

NIT No.122/EE(E)-II-Hyd/2026-27

Name of Work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

Estimated Cost put to Tender: **Rs.63,39,461/-**

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Name of Work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

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Certified that this NIT comprising Page No. 1 to 61

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad

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**CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-TENDERS**

The Executive Engineer (E)-II (Hyderabad), C.P.W.D., 2nd floor, Nirman Bhavan, Sultan Bazar, Hyderabad-500095 (Phone No. 040-29330109, email id: hyd-eee2@cpwd.gov.in) 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 Buildings & Roads Category for execution of the following work:

NITNo. **122/EE(E)-II-Hyd/2026-27**, SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad. ECPT: **Rs.63,39,461/-**, **EMD: Rs.1,26,789/-**, Period of Completion: **60 Days**, Last date and time of submission of bid: upto 15:00 Hrs on **31/10/2026**, Date of opening of bid: at 15:30 Hrs. on 31/10/2026.

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

Not to be published below this line

Executive Engineer (E)-II-Hyd
CPWD/Hyderabad

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Executive Engineer (E)-II (Hyderabad), C.P.W.D., 2nd floor, Nirman Bhavan, Sultan Bazar, Hyderabad-500095 (Phone No. 040-29330109, email id: hyd-eee2@cpwd.gov.in) 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 Buildings & Roads Category for execution of the following work:

S. No.	Description	Details
1	NIT No.	122/EE(E)-II-Hyd/2026-27
2	Name of work & Location	SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.
3	Estimated cost put to tender	Rs.63,39,461/-
4	Earnest Money Deposit (EMD)	Rs.1,26,789/-
5	Period of completion	60 Days
6	Last date & time of submission of bid, EMD, e-tender processing fee and other Documents	Upto 15:00 Hrs on 31/10/2026 .
7	Time & date of opening of Price bid	at 15:30 Hrs on 31/10/2026 .

- Only the enlisted contractors of class-III, IV and V by the Enlisting authority i.e. SDG(Chennai), ADG(Kochi), ADG(Bengaluru) and ADG(Hyderabad) shall tender within their tendering limit and tendering jurisdiction i.e. Tamil Nadu, Andaman & Nicobar, Puduchery, Kerala, Karnataka, Lakshadweep, Andhra Pradesh and Telangana of Southern Region(SR), as per the Rules for Enlistment of Contractors in CPWD,2026. Further, the enlisted contractors of class-III, IV and V shall also have to meet the other requirements of eligibility as per NIT conditions.**
- The work should be carried out by an agency having valid Electrical license of appropriate voltage issued by State Government under Clause 45 of compilation of rule of I.E. Rules 1956 or as amended from time to time. In case main contractor does not have Electrical Licence then he has to enter into a Memorandum of understanding with the approved associated contractor on Non-Judicial Stamp Paper as per the enclosed proforma and submit this MOU duly completed (duly signed by him and the associated contractor) before commencement of work.
- The firms/ contractors who fulfill the following requirements shall be eligible to participate in tender. Joint Ventures are not accepted.
- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.

6. 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://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
7. Bidders are advised to keep visiting the above-mentioned web-sites from time to time (till the deadline 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.
8. 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. **EMD shall be made / Issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.** 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.
9. 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.
10. 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.
11. 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/debit card, 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.

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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

12. The intending bidder must have valid class-III digital signature to submit the bid.
13. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
14. Contractor can upload documents in the form of JPG format and PDF format.
15. 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.
16. 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.
17. 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.
18. 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.
19. The bid submitted shall become invalid if;
 - 1 The bidder is found ineligible.
 - 2 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).
 - 3 **The bidder does not upload all the documents (including GST registration/ Undertaking as applicable) as stipulated in the bid document including the copy of receipt for deposition of original EMD.**
 - 4 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 scanned and uploaded within the period of bid submission:

- i Treasury Challan /Demand Draft/Pay order or Banker`s Cheque /Deposit at Call Receipt/FDR / Bank Guarantee of any Scheduled Bank against EMD. (Tobe deposited from division office of any Executive Engineer (Including NIT issuing EE), CPWD.
- ii. Enlistment Order of the Contractor.
- iii. Bidder to upload receipt of deposition of EMD.
- iv. ERP Training Certificate should be downloaded from LMS of ERP portal.

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- v. Telangana GST registration certificate of the state in which the work is to be taken up, if already obtained by the bidder.

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 under taking with the bid document.

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

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad

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CPWD 6 for e-Tender

The Executive Engineer (E)-II (Hyderabad), C.P.W.D., 2nd floor, Nirman Bhavan, Sultan Bazar, Hyderabad-500095 (Phone No. 040-29330109, email id: hyd-eee2@cpwd.gov.in) 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 Buildings & Roads Category for execution of the following work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

- 1.1 The work is estimated to cost **Rs.63,39,461/-**. This estimate however is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. **Only the enlisted contractors of class-III, IV and V by the Enlisting authority i.e. SDG(Chennai), ADG(Kochi), ADG(Bengaluru) and ADG(Hyderabad) shall tender within their tendering limit and tendering jurisdiction i.e. Tamil Nadu, Andaman & Nicobar, Puduchery, Kerala, Karnataka, Lakshadweep, Andhra Pradesh and Telangana of Southern Region(SR), as per the Rules for Enlistment of Contractors in CPWD,2026. Further, the enlisted contractors of class-III, IV and V shall also have to meet the other requirements of eligibility as per NIT conditions.**
3. Agreement shall be drawn with the successful bidders on prescribed Form No.CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
4. The time allowed for carrying out the work will be **60 Days** from the date of start as defined in schedule "F" or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
5. The site for the work is available.
6. The bid document consisting of ~~plans~~, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents, except Standard General Conditions Of Contract Form, can be seen from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
7. 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.

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8. 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.
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/debit card, 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.

10. 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 infavour of **Executive Engineer(E), HCED-I, CPWD, Hyderabad** shall be scanned and uploaded to the e-tendering website within the period of bid submission. **EMD shall be made / Issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.** 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 Engineers 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 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.20lac, 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 bid submitted shall be opened at 15:30 Hrs on **31/10/2026.**

11. The bid submitted shall become invalid if;
 - i) The bidder is found ineligible.

- ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD.
 - iii) **The bidder does not upload all the documents (including GST registration/ Undertaking as applicable) 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.
12. 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.
13. The description of the work is as follows:
SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, 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 form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their 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.

14. 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.
15. 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 rejected.
16. 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.
17. 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.
18. 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.
19. 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 withdraws his 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.

- 20 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 30 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.

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad

C.P.W.D.- 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: - Telangana.
 BRANCH: - E & M

ZONE :- Hyd- Region
 DIVISION :- EE(E)-II-HYD

Percentage Rate Tender & Contract for Works

(A) Tender for the work of:

Name of Work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

To be submitted online upto 15:00 Hrs on **31/10/2026**.

To be opened online in the presence of tenderers who may be present at 15:30 Hrs on **31/10/2026** in the office of the Executive Engineer (E)-II-Hyd, CPWD, Hyderabad.

Issued to Tender document made available Online

Signature of the Officer issuing the documents.

Designation: Executive Engineer (E)-II-Hyd, CPWD, Hyderabad.

Date of issue **23/10/2026**. As per INFORMATION AND INSTRUCTIONS FOR BIDDERS

T E N D E R

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable. Drawings & Designs, General Rules and Directions, Conditions of Contract, 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.1,26,789/-** 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 I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail

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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, up to 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 the re-tendering process of the work.

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

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

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 : #

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ACCEPTANCE

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

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

- 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
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-----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
Maintenance work for CPWD amended up to the last date of submission of online tender.

Name of Work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

- | | |
|-----------------------------|--|
| (b) Estimated cost of work: | Rs.63,39,461/- |
| (c) Earnest money: | Rs.1,26,789/- |
| | 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) Performance guarantee: | |
| (e) Security Deposit: | 2.5% of tendered amount |

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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 **Executive Engineer (E)-II-Hyd/CPWD/ 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 **Executive Engineer (E)-II-Hyd CPWD, Hyderabad.**
- 2(viii) Accepting Authority **Executive Engineer (E)-II-Hyd CPWD, Hyderabad.**
- 2(x) Percentage on cost of materials and labour to cover all overheads and profits. **15%**
- 2(xi) Standard schedule of Rates: **DSR 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 up to 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. **7 Days**
- (ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above **3 Days**

Clause 2

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

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

Clause 5

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

Table of Milestones:

S. NO	Description of Milestone (Physical)	Time allowed in days (from the date of start)	Amount to be with held in case of non-achievement of milestone. (% of tendered amount of respective Electrical component)
1	Submission of Panel Board drawing Technical Data sheets/ Make & Models for approval	07 days	1%
2	Supply of Panel Boards & other equipments	40 days	2%
3	Installation of LT Panels, Testing, commissioning & Handing over	60 Days	2%

Time allowed for execution of work

60 Days

Authority to reschedule Milestones

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

Authority to give fair and reasonable extension of
time for completion of work

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

Clause 6

Applicable

**CMB/EMB (Electronic
Measurement Book) Through
ERP (As per circular DG/CON-
Maintenance 2020/338,
Dt:13//04/2023)**

Clause 7

Gross work to be done together with net
payment/adjustment of advances for material
collected, if any,since the last such payment for
being eligible to interim payment

**Rs.30.00 Lakhs or mutually
agreed by both parties**

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

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

Clause 10CA - Whether clause 10CA shall be applicable **N.A.**

Clause 10C - Whether clause 10C shall be applicable **N.A.**

Materials covered under this clause	Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be Followed	Base Price of all the materials covered under clause 10CA*
-----Not applicable-----		

Clause 10CC- 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.....% **N.A.**
(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.....% **N.A.**

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

Clause 12

Type of work:-

Construction Work

12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for electrical works.	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. **Chief Engineer -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 :

- (i) Conciliator : Additional Director General, Region-I-Hyderabad,
- (ii) Arbitrator Appointing Authority : Chief Engineer - Hyderabad, CPWD, Hyderabad.
- (iii) Place of arbitration : Hyderabad

Clause 32:**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 provision of clause 32	
						Figures	Words
1)	Graduate Engineer OR Diploma Engineer	E&M	Principal Technical Representative	2 years 5 years	01(one)	15000/-	Fifteen thousand only

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.

Clause 42

- (i) Schedule/Statement for determining theoretical : Not Applicable
quantity of cement and bitumen on the basis of
Delhi schedule of Rate 2007 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

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond Permissible Variation	Less use beyond the Permissible Variation
.....Not Applicable.....			

INTEGRITY PACT

To,

.....,

Sub: NIT No.122/EE(E)-II-Hyd/2026-27,

Name of Work: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, 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

Executive Engineer (E)-II-Hyd,
 CPWD, Hyderabad

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

INTEGRITY PACT

To,

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad-500095

Sub: Submission of Tender for the Work of SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, 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 into existence when tender/ bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with 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)

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

INTEGRITY AGREEMENT

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

BETWEEN

President of India represented through **Executive Engineer (E)-II-Hyd**, (Name of Division)
CPWD, Hyderabad-500095..... (Hereinafter 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.....(Hereinafter 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./**EE(E)-II (HYD)/2026-27**(hereinafter referred to as “Tender/ Bid”)and intends to award, under laid down organizational procedure, contract for

(Name of work)

(SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

)

Hereinafter 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:

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

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 processor 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 esthetical 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)/ Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/ Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent 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 misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/ or to influence the procurement process to the detriment of the Government interests.
- 5) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person,his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/ Owner under law or the 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.

Ins NIL Ovw NIL Cor NIL

- 2) Forfeiture of EMD/ Performance Guarantee/ Security Deposit: If the Principal/ Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract 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.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all 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.

Article 6-Duration of the Pact

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.

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

Article 7-Other Provisions

- 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.

Article 8-LEGAL AND PRIOR RIGHTS

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

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

(For and on behalf of Principal/ Owner)

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad

(For and on behalf of Bidder/ Contractor)

WITNESSES:

1.

(signature, name and address)

2.

(signature, name and address)

Place:

Dated:

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

FORM OF EARNEST MONEY (BANKGUARANTEE)

WHEREAS, contractor.....(Name of contractor) (Hereinafter called "the Contractor") has submitted his tender dated.....(Date) for the work".....(Name of Work) (Hereinafter called "the Tender").

KNOW ALL PEOPLE by these presents that

we.....(Name of bank) having our registered office at.....(Hereinafter called "the Bank") are bound to

.....(Name and division of Executive Engineer) (Hereinafter 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 successors and 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 withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) Fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
 - OR
 - (b) Fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

We undertake to pay to the Engineer-in-Charge either up to the above amount or part there of upon receipt of the first written demand, without the Engineer-in-Charge having to substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his 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 upto 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 extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE.....

SIGNATURE OF THE BANK

WITNESS.....

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 7 months from last date or receipt of tender.

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

FORMAT OF RECEIPT OF DEPOSITION OF ORIGINAL EMD

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(RECEIPT NO...../DATE.....)#

1.NAME OF WORK: SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, Hyderabad.

2. NIT No. **122/EE(E)-II-Hyd/2026-27,**

3. ESTIMATED COST: Rs.**63,39,461/-**

4. AMOUNT OF EARNEST MONEY DEPOSIT: Rs.**1,26,789/-**

5. LAST DATE OF SUBMISSION OF BID – up to 15:00 Hrs on **31/10/2026**

1. NAME OF CONTRACTOR.....#

2. FORM OF EMD.....#

3. AMOUNT OF EARNEST MONEY DEPOSIT.....#

4. DATE OF SUBMISSION OF EMD.....#

Signature, Name and Designation of EMD
Receiving officer (EE/AAO)
Along with Office Stamp

(# To be filled by EMD receiving EE)

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

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 after 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 suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
4. We..... (*indicate the name of the Bank*) further agree that the guarantee herein 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.

Ins NIL Ovw NIL Cor NIL

AE(E) (P)

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 hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us
6. 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 undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid upto.....unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees.....)only and unless a claim in writing is lodged with us within 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 three months after the time period allowed for the work.

ADDITIONAL CONDITIONS AND SPECIFICATIONS

1. The work shall be carried out strictly in accordance with the CPWD General Specifications for electrical works, Part-I Internal (2023), part II external (2023) and Part IV (Sub-Stations) 2013 as amended upto date. All installations shall also comply with the provisions of Indian Electricity Act.2003 and Indian Electricity Rules, 1956 amended up-to-date. In case of items not covered by the above specifications the work shall be carried out as per the instructions of the Engineer-in-Charge.
2. The Work can be extended to other quarters, if required in this decision of engineer - in-charge will be final.
3. All Conduit will be concealed. The contractor has to chase the plaster and to be repairs for which nothing extra shall be paid. The contractor has to use "WIRE MESH" to Repair chased surface.
4. The Civil renovation works is in progress / about to start (Please visit site), hence contractor have to co-operate with civil Agency. Nothing will be paid on idle labor or loss of labor. Contractor is advised to visit site before quoting. The meter panel to be replaced, Meter Panel to be sizes in such a way that it will correctly /Accurately fit in existing space. Some quarters are occupied, hence on account of delay in vacating quarter nothing will be paid.
5. Works to be done by the Contractor: Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost :-
 - (i) Cutting and making good all damages caused during installation and restoring the same to their original finish.
 - (ii) Testing and commissioning of completed installation.
6. Ratings of components:
 - (i) All components in a wiring installation shall be of appropriate ratings of voltage, current, and frequency, as required at the respective sections of the electrical installation in which they are used.
 - (ii) All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.
7. Conformity to standards: All components shall conform to relevant Indian Standard Specifications, wherever existing. Materials with ISI certification mark shall be preferred.
8. Quality of materials: All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operations and to withstand the environmental conditions at site.
9. All the materials to be used in the work shall be got approved by the Engineer-in-Charge prior to their actual use in the work.
10. Workmanship: Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.
11. Bad workmanship will be rejected in toto.

12. Care of Buildings: Care shall be taken by the contractor to avoid damage to the building during execution of his part of the work. The contractor shall be responsible for repairing all damages and restoring the same to their original finish at his cost. The contractor shall remove at his costs all unwanted and waste materials arising out of his work from the site.
13. Structural Alterations to Buildings:
 - (i) No structural member in the building shall be damaged / altered, without prior approval from the competent authority through the Engineer-in-charge.
 - (ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these require modifications, or where fresh provisions are required to be made, such contingent works shall be carried out by the contractor at his cost.
 - (iii) All chases required in connection with the electrical works shall be provided and filled by the contractor at his own cost to the original architectural finish of the buildings. The repair work shall be carried out to the original finish at no extra cost.
14. All the debris due to the electrical work shall be cleared every now and then and the site shall be kept clean by the contractor at all times.
15. The contractor or his authorized representative will have to sign the Site Order Book and comply with the remarks therein.
16. The watch and ward of the stores and their safe custody shall be his responsibility till the final taking over of the installation by the Department.
17. Tools for handling and erection: All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor. No T&P will be supplied by the department.
18. Design of all main and sub distribution boards shall be got approved by the Engineer-in-charge prior to fabrication by submitting a detailed dimensional sketch.
19. All the metal boxes housing control switches, regulators, sockets, metallic light fittings, fans etc. shall be suitably earthed.
20. **A list of preferred makes for electrical works is enclosed.**
21. The material to be used in the work shall be procured only from authorized sources / dealers / distributors and documentary evidence to this effect shall be submitted as and when desired to the Engineer-in-Charge failing which the Engineer-in-Charge reserves the right to reject the materials in toto.
22. All dismantled items shall be returned to the department.
23. The entire work shall be guaranteed for a period of 1 (One) year from the date of completion of work.
24. The price quoted shall be firm and inclusive of all taxes i/c GST, duties, levies, labour welfare Cess. GST and Labour welfare Cess will be deducted at source from the contractor's bills.
25. The contractor should make minimum fair wages to the staff as per prevailing labour laws, The wages shall be made to the bank account of the labour and proof shall be submitted to JE(E)/AE(E).

26. All the workmen engaged for the work shall get social security benefits from contractor like EPF & ESI and proof shall be submitted to JE(E)/AE(E).
27. The work should be carried out at the proposed **at UoH Campus, Gachibowli, Hyderabad.**
28. The bidder has to advise to visit the site before quoting the rate. He may contact **Shri Shivanshu Mishra, AE(E)-II/IV, CPWD, HCU, Gachibowli, Hyderabad Contact No. 79875 52824.**
29. All statutory deductions like Income Tax, GST, Labour welfare cess etc. shall be deducted from the bills.
30. **INSURANCE AND STORAGE:**
All consignments are to be duly insured upto the destination from warehouse at the cost of the contractor. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

/ Contractor /

Executive Engineer (E)-II-HYD,

SPECIFICATION AND CONDITIONS FOR LT PANEL

The MV/LT Panel shall be modular in design. There shall be welding only in the main frame of the panel. The frame shall be assembled with Mild Steel tripod for three dimensional flexibility in design configuration. The profiles used in the assembly of the panel shall be restricted to only two designs. Each profile should have holes of standard size punched at standard pitch throughout the length of the profile. This facilitates the joining of vertical and horizontal members with three dimensional joiners of Mild Steel. The joining of these members shall be dust and vermin proof and for this plastic profiled washers are to be used.

Doors shall be with concealed hinges and flush type locks. The doors shall be reversible in design from LHS to RHS and vice-versa. All doors shall be earthed to the profile by a yellow green 2.5 Sq. mm. wire lugged at both ends. Doors that are bolted for busbar chambers should be flush in design such that the bolt head and the door surface are in one level. Each bolt shall have plastic washers on the other side of the door such that the bolt will remain with the door on removal of the door.

All switchgears shall be mounted on clamps and fixtures such that there shall be flexibility for adjustments in X, Y & Z axis. All partitions shall be made out of CRCA sheets. These partitions shall not be used for load bearing of switchgears. The profiles and doors shall be of 2 mm thick CRCA sheet and powder coated to RAL 7032. The partitions shall be of 1.6 mm CRCA sheet as specified above.

Modular type MV Panel to assemble low voltage switchgear and copper busbar arrangement. The switch handle shall be interlocked such that the door of enclosure cannot be opened unless the switch is in OFF position, however, mechanical interlock defeat mechanism has to be provided. All MCCB's / Switches only operating knob / handle shall only be visible other portion should be covered by suitable sheet. All rear doors shall be of hinged type with locking arrangement. Detachable bottom plates shall be provided at the cable compartments and terminal chamber. Liberal space shall be provided in the cable compartment as well as switch compartment to facilitate termination of cables. Provision shall be made for clamping the cables in the cable compartment.

The panel shall have easily-removable and interchangeable sections. All service shall be capable of being performed with access from the front plus and a choice of any one side or rear for installation flexibility. A tool shall be required to remove the exterior panels, which access the hazardous voltage area of the unit. To ensure grounding integrity and for static protection and EMI/RFI shielding, the removable exterior panels shall be grounded to the frame by way of stranded copper wire. Hinged doors shall provide access to the main input circuit breaker, and to all output switchgears.

The unit shall be naturally convection-cooled. No fans for forced-air cooling system shall be used. The convection cooling method shall allow continuous full-load operation without activation of over-temperature circuits. Copper bus bars, sized in accordance with the NEC shall withstand 900C minimum. Both for reliability and Heat rejection shall be through screened protective sides, which prohibits entry of foreign material.

The busbar sizes should not be less than 120% of the rated current in amps & it should be so selected that the temperature should not rise 50 C above ambient. Copper busbar shall be supported with high quality non-hygroscopic insulating material. Separate busbar compartment provided on the sides housing three phase and neutral busbar should have front bolted cover, side busbar chamber shall have standardized dimension of 300 mm. The rating of the neutral busbar shall be 100% of that of phase busbar wherever required. The busbar shall be of copper.

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Power terminal blocks or bus-bar or bus-bar extensions shall be provided for each input and output feeders as per the switchgear rating and a parity-sized insulated ground conductor. All the outputs of 63A TPN & below shall be terminated to a Busbar type terminal connector at the rear side of the panel using C-rail. All the live parts of the terminations shall be provided with shrouding by transparent perplex sheet of not less than 4 mm thick. A separate housing for the Power Capacitor inside the panel shall be made. The accessories for proper fixing of the CT's shall be provided.

The frame shall be configured to accept future field augmentation of additional cubicle sections.

The panel shall be supplied along with base plinth of 100 mm. height for each modular section and shall be made of C – channel forming sectional 'Box'.

The panel shall be powder coated with mat finish. The colour of the panel shall be siemens grey (color code IS:952) and block color to the plinth.

MOULDED CASE CIRCUIT BREAKERS

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

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

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

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

MCCBs shall be of current limiting type.

The rated service breaking capacity (Ics) shall not be less than the ultimate short circuit breaking capacity (I_{cs} = I_{cu})

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

Terms of Payment

The following percentage of contract rates for various items included in the contract shall be payable against the stage of work shown herein

- i) 80% after initial inspection and delivery at site in good condition on pro-rata basis
- ii) 10% after completion of installation in all respects
- iii) Balance 10% will be paid after testing, commissioning trial run & handing over to the department for beneficial use.

1 Mode of measurement (For Record Purpose)

- 1.1 The Agency shall raise RFI (Request for Inspection) on the ERP portal which shall be reflected as an action item in AE's notification, who is responsible or checking the item on the field. Once Physical check is completed, AE should update the RFI as Measurement Verified/Test Checked/Rejected & subsequently the RFI may be selected to create e-MB which include abstract of quantity item wise against the selected RFIs. (Request for inspection (RFI) is a process for recording of measurements online to create e-MB and forwarding it to the concerned authority for Inspection and Test Checks of quality & measurements recoded against the items uploaded under 'Contract Agreement Data Collection Forms on ERP')

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- 1.2 The stage-wise measurement as per schedule of stage payment shall be recorded and submitted in computerized format by the Agency as per directions given above.
- 1.3 The contractor shall submit item wise measurement for the work executed in line with detailed estimate based on items in DSR-2025 along with every running account bill to facilitate stage wise payment.
- 1.4 In addition, the contractor shall submit theoretical consumption statements for the items involving use of cement, steel reinforcement, chemical, paints, ready mix plaster, bitumen etc. as directed by the Engineer-in-Charge along with every running account bill for record and reconciliation of material issued, consumed and balance.
- 1.5 These measurements shall then be 100% checked by the authorized representatives of the Engineer-in-Charge. The contractor shall incorporate all such changes or corrections, as may be done during these checks, to his draft.
- 1.6 The Computerized Measurement Book shall be allotted a serial number as per the Register of Computerized Measurement Books and processed for payment, if required.

Executive Engineer (E)-II-Hyd
CPWD, Hyderabad

LIST OF PREFERRED MAKES

Sr. No.	Product	Makes
1.	LT Panel	<ul style="list-style-type: none"> • Manufactured from CPRI approved Fabricators.
2.	MCB DBs/ MCCB DBs/MCBs/RCCBs/ Industrial Socket outlets	<ul style="list-style-type: none"> • Legrand • Schneider Electric • L&T • ABB • Siemens
3.	Selector Switches	<ul style="list-style-type: none"> • Kaycee BCH • L&T Salzer • Siemens • HPL
4.	Contactors	<ul style="list-style-type: none"> • Legrand • Schneider Electric • L&T • ABB • Siemens
5.	CT/PT	<ul style="list-style-type: none"> • AE • L&T • Gilbert • Kappa • Schneider
6.	Digital Panel Meters including Multi Function meter	<ul style="list-style-type: none"> • Conzerv • L&T • AE • MECO • Rishab • Prok Devices • Elmeasure
7.	Glands / Lugs	<ul style="list-style-type: none"> • Dowells • Comet • Jainson
8.	Indication Lamps (LED type), Push Buttons	<ul style="list-style-type: none"> • Siemens • BCH • L&T • Telemecanique • Vaishnav • Emco • Kaypee
9.	Connectors/ Terminal Blocks	<ul style="list-style-type: none"> • Elmex • Connectwell • Essen

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AE(E) (P)

Sr. No.	Product	Makes
10.	1.1KV grade aluminium conductor, XLPE insulated armored UG Cables	<ul style="list-style-type: none"> • CCI • Havells • KEI • Gloster • Finolex • NICCO • Universal
11.	All other items not covered above	<ul style="list-style-type: none"> • As approved by the Engineer-in-charge.

Note: 1) The contractor shall have to obtain prior approval from Engineer-in-charge before placing the order for any specific materials. The Engineer- in- charge may approve any of the make brands out of the above list. Also the firm shall produce proof of purchase of materials for payment.

2) Components with country of origin of China are not acceptable.

// Contractor //

Executive Engineer (E)-II-Hyd,

Preference to PPP-M – II Policy (Make in India):

1. The Government has issued public procurement policy (Preference to Make in India) vide Ministry of Commerce and Industry Development of industrial policy and promotion (PPS) vide order No. P-45021/2/2017-PP BE-II dated 28.05.2018, to “Encourage Make in India” and to promote manufacturing and production of Goods and services in India with a view to enhancing income and employment. CPWD has decided to implement this policy.
2. The agency shall submit list of makes of materials proposed to be used on the work from local suppliers (as defined in the above order dated 28.05.2018) along with minimum local content as specified below for approval of the department out of the approved makes kept in the tender.
3. The department will be approving only makes of the materials having a minimum local content of 50% (As per upto date amendment in policy, till last date of submission of tender) for use on this work, out of the preferred makes list.
4. The minimum local content of 50% (As per upto date amendment in policy, till last date of submission of tender) is considered for the complete item including labour component.
5. The agency shall obtain the certificate for all items except for sundry items.

// Contractor //

Executive Engineer (E)-II-Hyd

Schedule of Work

Name of Work: SITC of LT cables and Panels at various loactions in the UoH Campus Gachibowli Hyderabad.

Sl. No	DSR 2025/ MR	Description of items	Qty	Unit	Rate	Amount
1	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.8 M(H) x 2.90 M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 400 Amps, 4 Pole, Micro processor released MCCB, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF				

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		indications, digital multifunction meter and associated control MCBs – 1 No.				
		(ii) 400 Amps, 4 Pole, manually operated on-load changeover switch, 415 V, 3 Phase, 4 Wire, 50 Hz AC, utilization category AC-23A, three-position operation (I–0–II), quick-make and quick-break mechanism, mechanical interlocking, door-interlocking and padlocking facility, positive contact position indication, -1 No				
		BUS BARS & Metering :				
		Horizontal and vertical TPN aluminium busbars of 500 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 400/5/5 A, 15 VA, Class-1 accuracy – 1 Set				
		OUTGOING :				
		(i) 200 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 4 Nos.				
		(ii) 100 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 8 Nos.				
		(iii) 63 Amps, 4 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 6 Nos.				
		(iii) 32 Amps, 4 Pole MCBs, 15 kA – 2 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	882368.00	882368.00

2	MR	Supplying, installation, testing and commissioning of floor standing, indoor , compartmentalised, cubical APFC panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.7 M(H) x 1.2 M(W) x 0.6 M(D)				
		INCOMING:				
		(i) 100 Amps, 4 Pole MCCB, 36 kA breaking capacity (Ics), with thermal-magnetic/electronic release, spreader links, rotary handle etc. – 1 No.				
		OUTGOING:				
		a) 16 Amps, 3 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs for 5 kVAR capacitor – 3 Nos.				

		b) 25 Amps, 3 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs for 10 kVAR capacitor – 1 No.				
		c) 40 Amps, 3 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs for 15 kVAR capacitor – 1 No.				
		d) Capacitor-duty power contactors suitable for 3-phase, 415 V AC supply for switching ON/OFF each capacitor bank in conjunction with APFC relay/Manual operation, complete with necessary auxiliary contacts, connections, interconnections etc.:				
		i) Capacitor-duty contactor suitable for 5 kVAR capacitor – 3 Nos.				
		ii) Capacitor-duty contactor suitable for 10 kVAR capacitor – 1 No.				
		iii) Capacitor-duty contactor suitable for 15 kVAR capacitor – 1 No.				
		e) Digital multifunction flush-mounted type, LED display, three-phase electronic meter to read and display parameters such as voltage, current, frequency, power factor, kW, kVA, kVAR etc., with suitable selector switches and set of suitable current transformers of 15 VA burden and Class-1 accuracy, complete as required – 1 No.				
		f) Auto/Manual selector switch – 1 No.				
		g) ON/OFF push buttons along with LED indication lamps for each capacitor bank – 5 Sets.				
		h) Microprocessor-based, programmable APFC relay suitable for 5-stage automatic switching of capacitor banks, with digital power factor measurement and control, displaying/measuring PF, voltage, current, kW, kVAR, kVA and other relevant parameters, with adjustable target power factor and suitable switching sequence, complete as required – 1 Set.				

		i) Current transformer of 100/5 A ratio, 15 VA burden, Class-1 accuracy, suitable for APFC sensing and control, to be provided at incoming/load panel as required – 1 No.				
		j) Heavy-duty, metallised polypropylene film, single-unit box-type construction, resin-filled, low-watt-loss, dry-type, explosion-proof, compact, lightweight, self-healing type, air-cooled, delta-connected capacitors suitable for 3-phase, 440 V AC supply, with total watt loss not more than 0.5 W/kVAR, complete with discharge resistors and all necessary accessories, of the following ratings:				
		i) 5 kVAR – 3 Nos.				
		ii) 10 kVAR – 1 No.				
		iii) 15 kVAR – 1 No.				
		Total capacitor capacity = 40 kVAR.				
		k) 7% detuned copper reactors, suitable for 440 V, 50 Hz, complete with suitable thermal protection, terminals and all necessary accessories, for harmonic protection, of the following ratings:				
		i) 5 kVAR – 3 Nos.				
		ii) 10 kVAR – 1 No.				
		iii) 15 kVAR – 1 No.				
		Total reactor capacity = 40 kVAR.				
		l) Suitable control MCBs/HRC fuses, auxiliary relays, terminal blocks, control transformers/SMPS wherever required, indication lamps, selector switches, internal wiring, ferrules, cable glands, lugs, labels and all other accessories necessary for complete operation of the APFC panel – 1 Lot.				
		m) Suitable forced ventilation arrangement with thermostat-controlled exhaust fans, ventilation louvers and filters, wherever required, complete as required – 1 Set.				
		n) Suitable capacitor-duty contactors shall be provided with pre-switching/damping resistors or equivalent arrangement suitable for capacitor switching duty and capable of safely switching the respective				

		capacitor steps.				
		o) All capacitors shall be provided with suitable discharge arrangements to reduce residual voltage to a safe value after disconnection.				
		p) Suitable danger plates, circuit identification labels and lettering for incoming supply, individual capacitor steps, outgoing switchgear and electrical warnings – 1 Lot.				
		q) Panel shall be complete with all necessary internal busbars, interconnections, wiring, earthing, supports, mounting arrangements and accessories and shall be tested, commissioned and demonstrated at site, complete as required.	1	job	429409.00	429409.00
3	MR	Supplying, installation, testing and commissioning of floor standing, indoor , compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm × 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				

		Panel Size Not Less than 1.9 M(H) x 2.4 M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 320 Amps, 4 Pole MCCB, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF/TRIP indications, digital multifunction meter and associated control MCBs – 1 No.				
		BUS BARS & Metering :				
		Horizontal and vertical TPN aluminium busbars of 400 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 400/5/5 A, 15 VA, Class-1 accuracy – 1 Set				
		OUTGOING :				
		(i) 100 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 10 Nos.				
		(ii) 63 Amps, 4 Pole MCBs, suitable breaking capacity – 8 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	2	Job	450185.00	900370.00
4	MR	Supplying, installation, testing and commissioning of floor standing, indoor , compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				

		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.5 M(H) x 1.75M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 320 Amps, 4 Pole, Micro processor released MCCB, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF/TRIP indications, digital multifunction meter and associated control MCBs – 1 No.				
		(ii) 320 Amps, 4 Pole, manually operated on-load changeover switch, 415 V, 3 Phase, 4 Wire, 50 Hz AC, utilization category AC-23A, three-position operation (I–0–II), quick-make and quick-break mechanism, mechanical interlocking, door-interlocking and padlocking facility, positive contact position indication, adequate short-circuit withstand capacity -1 No				
		BUS BARS & Metering :				

		Horizontal and vertical TPN aluminium busbars of 400 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 400/5/5 A, 15 VA, Class-1 accuracy – 1 Set				
		OUTGOING :				
		(i) 100 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 4 Nos.				
		(ii) 63 Amps, 4 Pole MCCBs, 25 kA suitable breaking capacity, complete with ON/OFF indications and associated accessories – 4 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	396205.00	396205.00
5	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6				

		mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.5 M(H) x 1.75 M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 150 Amps, 4 Pole MCCB, 36 kA breaking capacity, Ics = 100% of Icu, complete with spreader links, rotary operating handle, ON/OFF indications, digital multifunction meter and associated control MCBs – 1 No.				
		BUS BARS & Metering :				
		Horizontal and vertical TPN aluminium busbars of 200 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 200/5/5 A, 15 VA, Class-1 accuracy – 3 Nos.				
		OUTGOING :				
		(i) 63 Amps, 4 Pole MCCBs, 25 kA breaking capacity, Ics = 100% of Icu, complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 5 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	2	Job	250197.00	500394.00

6	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 2.0 M(H) x 1.9 M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 200 Amps, 4 Pole MCCB, 415 V, 36 kA breaking capacity, thermal-magnetic type, with Ics = 100% of Icu, complete with spreader links, rotary operating handle, ON/OFF/TRIP indications and associated control MCBs – 1 No.				
		BUS BARS & Metering :				

		Horizontal and vertical TPN aluminium busbars of 250 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 250/5/5 A, 15 VA, Class-1 accuracy – 3 Nos.				
		ENERGY METER OUTGOING :				
		(i) Provision for single-phase electronic energy meters, each feeder comprising 1 No. DP MCB, suitable for 240 V single-phase supply, with ON/OFF indication, suitable terminal arrangement, internal wiring and necessary accessories for connection of individual energy meters – 9 Nos.				
		(ii) 63 Amps, 4 Pole MCBs, 415 V – 2 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	241375.00	241375.00
7	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				

		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.8 M(H) x 2.4M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 200 Amps, 4 Pole MCCB, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF/TRIP indications, digital multifunction meter and associated control MCBs – 1 No.				
		BUS BARS & Metering :				
		Horizontal and vertical TPN aluminium busbars of 250 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 250/5/5 A, 15 VA, Class-1 accuracy – 3 Nos.				
		OUTGOING :				
		(i) 63 Amps, 4 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 12 Nos.				

		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	459750.00	459750.00
8	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				
		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.8 M(H) x 2.4 M(W) x 0.4M(D)				
		INCOMING :				
		(i) 400 Amps, 4 Pole, Micro processor released, MCCB, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF/TRIP indications, digital multifunction meter and associated control MCBs – 1 No.				
		BUS BARS & Metering :				

		Horizontal and vertical TPN aluminium busbars of 630 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 630/5/5 A, 15 VA, Class-1 accuracy – 3 Nos.				
		OUTGOING :				
		(i) 100 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 5 Nos.				
		(ii) 63 Amps, 4 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 8 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	527541.00	527541.00
9	MR	Supplying, installation, testing and commissioning of starter panel outdoor type enclosure with front hinged openable door with panel lock made of CRCA sheet steel of 2mm thick MS sheet of adequate size stand made up of angle iron stand of size 50mm x 50mm x 5mm with suitable foundation to be fixed 600mm above ground from foundation followings accessories to be flushed inside the panel including connections, inter connections complete etc, as required.				
		Panel Size Not Less than 1.2 M(H) x 1.0 M(W) x 0.4 M(D)				

		i) 150A,4P, 25KA MCCB - 1 No ii) 63 A, 3P C Curve 10 KA MCB - 4No iii) Star delta starter suitable for 15 HP Submersible pump alongwith relay range 11 to 18 Amps, with in built single phase preventor, Dry run protection and Other standard require protections - 1 No iv)DOL starter suitable for 5 HP Submersible pump alongwith relay range 6 to 10 Amps, with in built single phase preventor, Dry run protection and Other standard require protections - 1 No	1	Job	118498.00	118498.00
10	MR	Supplying, installation, testing and commissioning of starter panel outdoor type enclosure with front hinged openable door with panel lock made of CRCA sheet steel of 2mm thick MS sheet of adequate size stand of size 50mm x 50mm x 5mm with suitable foundation to be fixed 600mm above ground from foundation followings accessories to be flushed inside the panel including connections, inter connections complete etc, as required.				
		Panel Size Not Less than 0.75 M(H) x 1.2 M(W) x 0.4 M(D)				
		i) 63A,4P, 25KA MCCB - 1 No ii) 32 A, 3P C Curve 10 KA MCB - 2No iii) DOL starter suitable for 7.5HP Submersible pump alongwith relay range 13 to 22 Amps, with in built single phase preventor, Dry run protection and Other standard require protections - 1 No	3	Job	78337.00	235011.00
11	MR	Supplying, installation, testing and commissioning of floor standing, outdoor, compartmentalised, cubical LT panel, suitable for operation on 415 Volts, 3 Phase, 4 Wire, 50 Hz AC supply system, fabricated from CRCA sheet steel, complete as required. The panel shall be fabricated using 2 mm thick CRCA sheet steel for framework and covers and 3 mm thick CRCA sheet steel for detachable gland plates. The panel shall be chemically treated through 7 tank process and finished with powder coating of approved shade.				

		The panel shall be provided with cable entry arrangement as per site requirement, through separate cable chamber, detachable gland plates, adequate ventilation, lifting hooks and base frame fabricated from ISMC-100 channel. The panel shall be supplied in transportable sections and assembled at site. The entire width of the panel shall be provided with two continuous aluminium earth bars of size 40 mm x 6 mm complete with earth studs.				
		The panel shall conform to CPWD General Specifications for Electrical Works Part-I (Internal) 2023, Part-II (External) 2023 and Part-IV (Substation Equipment) 2013 as amended up to date and shall include all switchgears, instruments, indication lamps, wiring, testing and commissioning complete in all respects.				
		Panel Size Not Less than 1.90 M(H) x 2.65 M(W) x 0.4 M(D)				
		INCOMING :				
		(i) 630 Amps, 4 Pole MCCB, , Micro Processor, 50 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF/TRIP indications, digital multifunction meter and associated control MCBs.-1 No.				
		BUS BARS & Metering :				
		Horizontal and vertical TPN aluminium busbars of 800 Amps capacity, high conductivity grade, provided with colour-coded heat-shrinkable sleeves and DMC/SMC supports at required intervals, etc as required – 1 Set R, Y, B indication lamps – 1 Set Digital multifunction meter – 1 No. Current Transformers, 800/5/5 A, 15 VA, Class-1 accuracy – 3 Nos.				
		OUTGOING :				
		(i) 400 Amps, 4 Pole MCCBs, 50 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 4 Nos.				
		(ii) 200 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated				

		control MCBs – 4 Nos.				
		(iii) 100 Amps, 4 Pole MCCBs, 36 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 4 Nos.				
		(iv) 63 Amps, 4 Pole MCCBs, 25 kA breaking capacity (Ics), complete with spreader links, rotary operating handle, ON/OFF indications and associated control MCBs – 4 Nos.				
		All MCCBs shall have Ics = 100% of Icu and shall conform to IEC 60947-2. Danger plates and lettering shall be provided on the panel for identification of incoming and outgoing switchgears, complete as required.	1	Job	1085410.00	1085410.00
12	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	30	Set	8351.00	250530.00
13	5.11	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	300	Metre	755.00	226500.00
14	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	300	Metre	287.00	86100.00
		Total			Rs.	6339461.00
					Say Rs.	6339461.00

// Contractor //

Executive Engineer (E)-II-Hyd

Ins NIL Ovw NIL Cor NIL

AE(E) (P)



Central Public Works Department

N.I.T. No: 122/EE(E)-II-Hyd/2026-27

Name of work:- SITC of LT cables and Panels at various Locations in the UoH campus Gachibowli, 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	6339461.00			-
	Grand Total				-

Important Note:

1. The Estimated Cost Put to Tender has been worked out by DSR 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 upto 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 //

Executive Engineer (E)-II-HYD

Ins NIL Ovw NIL Cor NIL

AE(E) (P)