

CORRIGENDUM

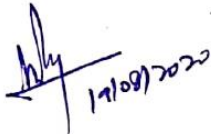
Date: - 19.08.2020

Ref: - Tender Enquiry No. EW-Mod/5/2020-215.

TENDER FOR DESIGNING, PLANNING AND SITC OF EXTENSION LT PANEL IN SUBSTATION- 1& 2.

Please consider the New Tender documents instead of Old Tender Documents and Upload the same on CPP Portal with Technical Bid. Consider Annexure 1 and Annexure-2 and Rate will quoted according to new tender documents and Annexures.

This corrigendum is also the part of the above mention tender and Only Authorised Signatory of the bidders must sign it.



**Er. Indrajeet Singh
Executive Engineer (E)**

TENDER

FOR

Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh

Tender No.: EW-Mod/5/2020-215



All India Institute of Medical Sciences Rishikesh 249202 Uttarakhand

India. Office of Superintending Engineer AIIMS Rishikesh. Tel No.

0135-2462968,

Email: - engg.aiims.rishikesh@gmail.com

Index of Tender Document

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

The Executive Engineer, AIIMS Rishikesh on behalf of Director, AIIMS Rishikesh invites Item rate e-tenders from Approved and eligible contractor of CPWD, MES, Railways, Govt. Departments of Uttarakhand state or Original Equipment Manufacturer or their authorized dealers for the work of "**Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh.**" for the following work: -

S. No.	Type	Description
(i)	Tender No	EW-Mod/5/2020-215
(ii)	Name of Work	Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh.
(iii)	Tender Fees	Rs.1180.00/-
(iv)	Earnest Money Deposit(EMD)	Rs.200,000.00/-
(v)	Estimated Cost put to bid	Rs.1,00,00,000.00 /-
(vi)	Tender Publish Date	13.08.2020
(vii)	Pre Bid Meeting	18.08.2020 (1500 Hrs.)
(viii)	Last date & time of submission of bid	Up to 28.08.2020 (1100Hrs.)
(ix)	Time & date of opening of technical bid	29.08.2020 at (1100 Hrs.)
(x)	Period of completion	90 days

1. The intending bidder must read the terms and conditions of CPWD-6 form carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

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

3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.aiimsrishikesh.edu.in or <https://eprocure.gov.in>

4. **Bid can only be submitted after depositing tender fee in favour of AIIMS Rishikesh and uploading the mandatory scanned documents such as UTR number of RTGS payment towards EMD in favour of AIIMS Rishikesh in following bank account.**

- a) Bank Name :- Punjab National Bank
- b) Branch Name :- PNB Pashulok
- c) Account Number :- 6189000100021125
- d) IFSC Code :- PUNB0618900

Or

The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table by Demand Draft FD/TD/CD in favour of " AIIMS, Rishikesh" drawn on any Nationalized Bank/ Scheduled Bank and payable at Rishikesh and must be valid for (6) six month. Bids received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The original EMD will be submitted along with bid documents.

5. **EMD is essential with technical bid for all the participant. Otherwise, bid in electronic form is liable to be rejected.**

6. Those contractors not registered on the website mentioned above, are requested to get registered beforehand.

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

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

9. Not more than one tender shall be submitted by one contractor or contractors having business

relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

10. Contractor must ensure to quote rate of each item. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such items shall be treated as "0" (Zero).

11. (i) The Contractor should quote the rate of item including GST as per statutory rules. Bids received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The UTR number of EMD deposition will be uploaded by the contractor.

(ii) Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.

(iii) The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.

12. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract with successful bidder.

13. The successful bidders has to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within fifteen (15) days from the date of award of this tender in his favour and also required to furnish the security deposit @ **10%** against performance guarantee of contract value in the form of FDR from any Nationalized/Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 15 (fifteen) days after the issue of Letter of Award of Work, his bid security (EMD) shall be forfeited and award of tender in suppliers favour automatically stands terminated at his cost & liability, unless time extension has been granted by AIIMS, Rishikesh. Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the Companies Act. in the form of FDR.

14. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 90 (Ninety) days from the published date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained. The unilateral withdraw at any stage will cause forfeiture of EMD in addition to any remedy that the purchaser may have under the law. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, **then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidders shall not be allowed to participate in the rebidding process of the work.**

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

I. UTR of RTGS payment of Tender Fee and EMD.

II. Enlistment Order of CPWD, BSNL, Railways, MES and State government department or Original Equipment Manufacturer of Panel Manufacturer.

III. Electrical contractor License For carrying out LT electric work

IV. Certificate of Registration for GST/ Sales Tax / VAT and acknowledgement of up to date filed return.

V. Certificate of work experience (As specified in Clause 1.2.1 of CPWD-6).

VI. Singed on each pages of NIT and documents and uploaded with bid.

VII. Annual Turnover certificate last 3 years.

VIII. Authorizations certificate of OEM.

IX. Audited Balance sheet by chartered Accountant of last 3 Years.

16. Only Authorised signatory will be permitted to sign any type of documents.

17. The soft copies of documents uploaded by contractors on CPP Portal. Same (hard copy) of documents should also be submitted in the office of Executive engineer (Electrical) (Tender box) in before the last date/due time of submission of tender. Those who fail to submit hard copies are

treated as disqualified for the further process of tendering.

CPWD – 6

Govt. of India AIIMS, Rishikesh Notice Inviting e-Tender

Item rate tenders are invited on behalf of Director, AIIMS Rishikesh from approved and eligible contractors of CPWD, MES, Railways & Govt. Departments of Uttarakhand state or Original Equipment Manufacturer or their authorized dealers for the work of "**Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh.**"

- 1.1 The work is estimated to Cost Rs. **1, 00, 00,000.00**, this estimate, however, is given merely as a rough guide.
- 1.2 Intending tenderer is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of bid documents.

1.2.1 Criteria of eligibility

Three similar works each of value not less than **Rs. 40,00,000.00** or two similar work each of value not less than **Rs.60,00,000.00** or one similar work of value not less than **Rs. 80,00,000.00** in last 7 years ending last day of the month previous to the one in which the tenders are invited.

Similar works means "Electrical work".

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of tenders.

- 1.2.2 Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 8 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.

- 1.2.3 **The time allowed for carrying out the work will be 90 (Ninety) days from the date of start as defined in schedule 'F' or from the date of agreement with bidder.**

- 1.2.4 The site for the work is available.

- 1.2.5 The tender document consisting of plans if any, 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 www.aiimsrishikesh.edu.in or <https://eprocure.gov.in>. The cost of tender is **Rs.1180** (inclusive GST). Those who downloads the tender document from website should upload scan copy of UTR number of RTGS Payment of Rs. 1180.00 (non-refundable) in favour of "AIIMS, Rishikesh", payable at Rishikesh as per following details.

- a) **Bank Name** :- **Punjab National Bank**
- b) **Branch Name** :- **PNB Pashulok**
- c) **Account Number** :- **6189000100021125**
- d) **IFSC Code** :- **PUNB0618900**

The required EMD shall be uploaded with the required documents otherwise tender submitted may stand rejected

- 1.2.6 After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

- 1.2.7** While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of time (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
- 1.2.8** The contractor whose bid is accepted will be required to furnish performance guarantee of **10% (Ten Percent)** of the bid 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 (in case guarantee amount is less than Rs. 1, 00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The Earnest Money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.**
- 1.2.9** Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited and other documents scanned and uploaded are found in order.
- 1.2.10** The Bid submitted shall become invalid and e-Tender Processing Fee shall not be refunded if:
- (i) The bidders is found ineligible.
 - (ii) The bidder does not deposit original EMD with Superintending Engineer, AIIMS Rishikesh.
 - (iii) The bidders does not upload all the documents (including service tax registration/ GST/ VAT registration/ Sales Tax registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.
- 1.2.11** Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their 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 local conditions and other factors having a bearing on the execution of the work.
- 1.2.12** The competent authority does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
- 1.2.13** Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 1.2.14** The competent authority reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 1.2.15** The contractor shall not be permitted to tender for works in AIIMS Rishikesh in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer, Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are

subsequently employed by him and who are near relatives to any Gazetted officer in AIIMS Rishikesh. Any breach of this condition by the contractor would render him liable to reject his Bid submitted by him.

1.2.16 No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

1.2.17 The bid for the works shall remain open for acceptance for a period of 90 days from the date of opening of bids/90 days from the date of opening of financial bid.. If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidders shall not be allowed to participate in the rebidding process of the work.

1.2.18 This notice inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender.
- b) Standard C.P.W.D. Form 8 or other Standard C.P.W.D. Form as applicable.

INTEGRITY PACT

To,
.....
.....

Sub: Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh

Dear Sir,

It is here by declared that AIIMS Rishikesh 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 AIIMS Rishikesh.

Yours faithfully,
Executive Engineer (E)
AIIMS Rishikesh

OFFER FORWARDING LETTER/TENDER SUBMISSION LETTER
(To be typed submitted in the letter Head of the Company/firm of Bidder)

To,
Executive Engineer (E),
AIIMS Rishikesh,

Sub: Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh

Dear Sir,

I / We acknowledge that AIIMS Rishikesh 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 AIIMS Rishikesh. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of 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, AIIMS Rishikesh 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.

Authorised Representative of Bidder

Signature:

Name:

Address:

Place:

Date:

(Duly authorized signatory of the Bidder)
To be signed by the bidder and same signatory competent / Authorised to
sign the relevant contract on behalf of Director AIIMS Rishikesh.

INTEGRITY AGREEMENT

This Integrity Agreement is made at..... on this..... day of.....20.

BETWEEN

AIIMS Rishikesh represented through Director.....

(Name of Division) AIIMS Rishikesh....., (Hereinafter referred as the (Address).

'Principal / Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and 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.) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for

(Name of work) Hereinafter referred to as the "Contract".

AND WHEREAS 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).

AND WHEREAS 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 hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal / Owner.

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal / Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein 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.

Article 2: 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 highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal / Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract. 13

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 competitiveness or to cartelize in the bidding process.

c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass 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 participate 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 (with each tender as per performa enclosed) 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 befall upon a person, his / her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach.

1) Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or 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:

2) 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 days 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.

3) 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 or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(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.

4) 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 Indian Penal code (IPC)/Prevention of Corruption 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/ holding 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 subcontractors 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 Sub- contractors/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.

1) This Pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 12 months 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.

2) 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, Director, AIIMS Rishikesh.

Article 7- Other Provisions.

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is Rishikesh.
- 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 turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 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 there of 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 / Contract 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)
AIIMS, Rishikesh,
Virbhadra Road, Rishikesh-249203

(For and on behalf of Bidder/Contractor)

WITNESSES:

- 1. (Signature, name and address)
- 2. (Signature, name and address)

Place: -

Dated:

निविदा TENDER

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

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

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

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

We agree to keep the tender open for Ninety (90) days from the due date of opening of financial bid and not to make any modification in its terms and conditions.

₹ 200,000.00 की धनराशि, धरोहर राशि के रूप में ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/ अनुसूचित बैंक की सावधी जमा रसीद /अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निधारित निष्पादन गारंटी को निधारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं / हम यह मंजूर करते हैं कि एम्स ऋषिकेश के निदेशक या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि एम्स ऋषिकेश के निदेशक या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिषत से अनधिक व निविदा प्रपत्र के खण्डों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निषिद्ध की जाने वाली दरों पर उस सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति-निपेक्ष के रूप में रोक ली जाएगी। इसके अतिरिक्त मैं/हम सहमत हैं कि बयाना राशि या बयाना राशि तथा उपर्युक्त निष्पादन गारंटी जब्त हो जाने के मामले में मुझे/हमें कार्य की पुनः निविदा प्रक्रिया में भाग लेने से रोक दिया जाएगा।

A sum of ₹ 200,000.00 is hereby forwarded as RTGS payment on account of earnest money. If I/We fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Director of AIIMS Rishikesh or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director of AIIMS Rishikesh or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said Performance Guarantee shall be guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. **Further, I/we agree that in case of forfeiture of earnest money or both earnest money and performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

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

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

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

तारीख Dated #.....

देकेदार के हस्ताक्षर Signature of Contractor#
डाक का पता Postal Address#

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #

applicable

To be filled in by the contractor/witness as

ACCEPTANCE

The above tender (as modified vide letters mentioned hereunder) is accepted by me for and on behalf of the Director, AIIMS Rishikesh for a sum of ₹. _____

(Rupees _____)

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

a)

b)

c)

For & on behalf of Director, AIIMS Rishikesh

Signature.....

तारीख Dated

Designation.....

अनुसूचियां SCHEDULES
[FOR MAJOR COMPONENT]

अनुसूची 'क' **SCHEDULE 'A'**
मात्राओं की अनुसूची (संलग्न)

Schedule of quantities (Enclosed)

Page No. – 35-38

अनुसूची 'ख' **SCHEDULE 'B'**

टेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

NA

अनुसूची 'ग' **SCHEDULE 'C'**

टेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

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

अनुसूची 'घ' **SCHEDULE 'D'**

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

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

अनुसूची (ङ) **SCHEDULE 'E'**

टेके की सामान्य शर्तों का संदर्भ
Reference to General Conditions of contract

General conditions of contract for CPWD works 2016, 2019 as amended upto date and special conditions attached herewith the tender document except clause-25.

Name of work: Designing, Planning, Modification and SITC of Extension LT Panel in Substation-1 & 2 at AIIMS Rishikesh

कार्य की अनुमानित लागत Estimated cost of work

: ₹ 10,000,000.00

(i) धरोहर राशि Earnest money

: ₹ 200,000.00

(ii) निष्पादन गारंटी Performance guarantee :

10% of tendered value. निविदित मूल्य का 10 प्रतिशत

(iii) प्रतिभूति निक्षेप: Security Deposit:

2.5% of tendered value plus 50% of performance guarantee for contract, involving maintenance of the Electrical Panel and other services of electrical work.

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी

Officer inviting tender -

EE (E), AIIMS Rishikesh

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

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

Definitions:

2(v) भारसाधक इंजीनियर

Engineer-in-Charge

EE (E) , AIIMS Rishikesh

2(viii) स्वीकार कर्ता प्राधिकारी

Accepting Authority

EE (E) , AIIMS Rishikesh

2(x) अतिरिक्त और लाभों को पूरा करने के

लिए श्रम एवं सामग्रियों की लागत पर प्रतिशतता

Percentage on cost of materials and

labour to cover all overheads and profits.

15% (Fifteen per cent)

2(xi) Standard Schedule of Rates:

Market rates

2(xii) Department:

AIIMS Rishikesh

9(ii) Standard CPWD contract Form:

GCC 2016,2019 as amended up to date CPWD form 8 as modified & corrected up to date (Whether correction vide latest circulars are incorporated or not in this document).

9(ii) मानक के.लो.नि.वि. टेका फार्म

Standard CPWD contract Form

CPWD form 8 (Print edition -2016) as modified with up to date correction slip.

खण्ड Clause 1

:पद्ध स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण के लिए अनुमत समय

Time allowed for submission of performance guarantee from the date of issue of letter of acceptance : 15 days

:पपद्ध (उपर्युक्त प) में दी गई अवधि के पश्चात् अधिकतम अनुमय एक्सटेंशन

Maximum allowable extension with late

fee @ 0.10% per day of performance
guarantee amount beyond
the period as provided in (i) above : 7 days

खण्ड Clause 2

खण्ड 2 के तहत प्रतिकार निश्चित करने वाला प्राधिकारी

Authority for fixing
compensation under clause 2

EE (E), AIIMS Rishikesh

खण्ड Clause 2A

क्या खण्ड 2 क लागू होगा

Whether clause 2A shall be applicable

No

खण्ड Clause 5

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

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

15 days

लक्ष्य नीचे दी गई सारणी के अनुसार

Milestone(s): -

N.A

कार्य निष्पादित करने के लिए अनुमत्य समय
Time allowed for execution of work

90 Days

Authority to decide
(i) Extension of Time
(ii) Rescheduling of mile stones

**EE (E), AIIMS Rishikesh
N.A**

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

EE (E), AIIMS Rishikesh

खण्ड Clause 6, 6A

खंड लागू-(6 या 6 क) बसनेम चचसपबंड्सम

Clause 6

खण्ड Clause 7

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

N.A

खण्ड 10 d Clause10A

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

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

N.A.

खण्ड Clause10B(ii)

क्या खण्ड 10 ख ;पद्ध लागू होगा

Whether clause 10B (ii) shall be applicable

N.A

खण्ड Clause10C

Component of labour expressed as

N.A

Percent of value of work

खण्ड Clause 10CC - NOT APPLICABLE.

खण्ड 10 गग उन सविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अमले कालम में दर्शाई गई अवधि से अधिक अनुबंधित है।
Clause 10CC to be applicable in **DELETE** with stipulated period of compensation exceeding the period shown in next column : Months

खण्ड Clause 11

कार्य निष्पादन के लिए अनुपालन

Specifications to be followed for execution of work

Specification attached in Tender document.

खण्ड Clause 12

	Type of Work	Original Work
12.2 & 12.3	विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे Deviation limit beyond which clauses 12.2 & 12.3 shall apply for this works.	30 %
12.5	(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	N.A

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी

Competent Authority for deciding reduced rates

EE (E), AIIMS Rishikesh or successor thereof

खण्ड Clause 18

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

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

N.A.

खण्ड Clause 25

N.A

खण्ड Clause 42

I) क) सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए [अनुसूची / विवरण](#)

I) (a) Schedule/statement for determining theoretical quantity of cement & bitumen

N.A

II) अनुमानमूलक मात्राओं में अनुमत्य विचलन

	Variations permissible on theoretical quantities.	N.A
क)	सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक न हो	
a)	Cement for works with estimated cost put to tender not more than Rs. 5 lakhs जिन कार्यों के लिए निविदा में अनुमानित मूल्य रु. 5 लाख से अधिक हो	N.A
	for works with estimated cost put to tender more than Rs. 5 lakhs	N.A
ख)	बिटुमन सभी कार्यों के लिए	
b)	Bitumen for all works	N.A
ग)	इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वहन और संरचनात्मक इस्पात काट	
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	N.A
घ)	सभी अन्य सामग्रियां	
d)	All other materials	N.A

AMENDMENTS TO GENERAL CONDITIONS OF CONTRACT 2014

OM No. DG/CON/282 Dated 10-12-2014

OM No DG/SE/CM/CON/283 Dated 05-05-20158

Sub- Payment of wages to the labour by Contractor

The Following provision of CPWD contractor labour Regulation of GCC2014 are amended

<i>Existing Provision</i>	<i>Modified Provision</i>
<p><i>C.P.W.D. Contractor's Labour Regulations</i></p> <p><i>5. Payment of Wages</i></p> <p><i>vi) Wages due to every worker shall be paid to him direct or to other person authorized by him in this behalf.</i></p> <p><i>vii) All wages shall be paid in current coin or currency or in both.</i></p> <p><i>x) It shall be the duty of the contractor to ensure the disbursement of wages in the presence of the Junior Engineer or any other authorized representative of the Engineer-in-Charge who will be required to be present at the place and time of disbursement of wages by the contractor to workmen.</i></p> <p><i>xi) The contractor shall obtain from the Junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form :-</i></p> <p><i>"Certified that the amount shown in column Nohas been paid to the workman concerned in my presence</i></p>	<p><i>C.P.W.D. Contractor's Labour Regulations</i></p> <p><i>5. Payment of Wages</i></p> <p><i>vi) Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.</i></p> <p><i>vii) All wages shall be paid through Bank, ECS, or online transfer.</i></p> <p><i>x) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour.</i></p> <p><i>xi) The contractor shall obtain from the Junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form:-</i></p> <p><i>"Certified that the amount shown in column Nohas been paid to the workman concerned through bank account of labour onat"</i></p>

OM No DG/CON/285 Dated 05-06-2015

**Sub: Amendment in general conditions of contractor (GCC)-2014
The following provision of GCC 2014 is modified as under**

<p><i>Clause 5.1</i> <i>As soon as possible after the Contact is concluded, the contractor shall submit a time and progress chart for each mile stone and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract document for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of section of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate Programme has been agreed upon) complete the work as per mile stones given in Schedule 'F'</i></p> <p><i>Clause 5.1</i></p>	<p><i>Clause 5.1</i> The contractor shall submit a Programme Chart (Time and Progress) for each mile stone along with performance guarantee and get it approved by the Department. The Chart shall be prepared in direct relation to the time stated in the Contract document for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate Programme has been agreed upon) complete the work as per mile stones given in Schedule 'F'</p>
<p><u>Clause 7A</u> <u>No Provision</u></p>	<p><i>Clause 7A</i> No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the Contractor to the Engineer-in-Charge.</p>
<p><i>Clause 19</i> <i>The Contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until the completion of the work</i></p>	<p><i>Clause 19</i> <i>The Contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until the completion of the work.</i> <i>The contractor shall also comply with provisions of the Inter –State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.</i></p>

TREMS AND CONDITIONS

1. The work shall be carried out strictly in accordance with CPWD specifications for electrical works Part-I Internal 2013 and 1995 (external) as amended up to date and in accordance with Indian Electricity Rules, 1956, Indian Electricity Act, 1910 as amended up to date and as per instructions of the Engineer-in-Charge, including as below and nothing will be paid extra.
2. All materials to be used on this work by the contractor shall be got approved from the Engineer-in-Charge and deptt. Has right to inspect the material at manufacturers' place before installation at site.
3. The work shall be carried out according to approved drawings/details which shall be subsequently issued to the successful for execution of work and as per instructions of the Engineer-in-Charge who will have the right to change the layout as per requirement at site and the contractor shall not have any claim due to change in layout.
4. All damages done to the building, roads, pathways, floors, walls during execution of electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. Any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-Charge about recovery shall be final.
5. The bad workmanship will not be accepted and defects shall be rectified at contractor's cost of the satisfaction of the Engineer-in-Charge. The Programme of electrical works are to be coordinated in accordance with the building work and no claim for idle labour will stipulated in the tender.
6. All the debris of the Electrical/Civil works should be removed and the site should be cleared by the contractor immediately after the accruing of debris. Similarly any rejected material should be immediately cleared off from the site by the contractor.
7. Issue of material to the contractor wherever stipulated, shall be according to the requirement at site from time to time depending upon the progress of work.
8. Cement for this bonafied work is to be arranged and used by the contractor himself and nothing extra will be paid on this account.
9. The contractor or his representative is bound to sign the site order book as and when required by the Engineer-in-Charge and to comply with the remarks therein.
10. The size of conduit and wiring shall be got approved from the Engineer-in-Charge before taking up to the execution.
11. The contractor shall make his own arrangement at his own cost for electrical/general tools and plants required for the work.
12. Main board and main distribution board: The work shall be carried out according to the drawings/details as approved by the Engineer-in-Charge.
13. The contractor shall have to get the samples approved before the whole lot is brought to site and it shall include all inter connections etc.
14. No Central/State sales tax/VAT/Contract tax/Excise duty/GST etc. shall be separately paid by the department. The rates tendered should be inclusive all taxes and duties (exclusive of service tax) Deduction of contract tax at source shall be made while releasing payment through running/final bills as applicable . A certificate specifying the rate and amount of deduction shall however be issued. No Form-D, 31/32 (Road permit) shall be issued by the department. The road permit shall be arranged by the tenderer on his own.
15. The entire installation shall be at the risk and responsibility of the contractor until these are tested and handed over to the department. However if there is any delay in construction from the

department side, the installation may be taken over in parts, but the decision on the same shall rest with Engineer-in-Charge which shall be binding on the contractor.

16. Notwithstanding the schedule of quantities, all items of interrelated works considered necessary to make the installation complete and operative are deemed to be included shall be provided by the contractor at no extra cost.
17. The connection, inter connection, earthing and inter earthing shall be done by the contractor wherever required and nothing extra shall be paid on this account.
18. Some of the items of work, if already executed: on that case the successful tenderer shall have to use these items for completing the work. For wiring, the existing conduit wherever required shall be used by the contractor. The recovery will be made for these items as accepted rate of other agencies.
19. Nothing extra shall be paid for :-
 - (a) Inter connections with thimbles/wires/tapes strips etc.
20. The design parameter will have to restore, if there is any deviation in efficiency or design parameter will be intimated initially. Party has to provide Electrical/Mechanical Drawing if any change has to require for making full functional.
21. All system must have third party certification of the product if required.
22. All Electrical work will be carried out to conformity IE act, IE Rules in standards.
23. Any type of License/NOC/ Approval from Government/ Local Body is will be in the scope of Vendor.
24. Storage and custody of material will be in scope of Vendor.
25. Site clearance will be in the scope of vendor after completion of work.
26. Electrical and Mechanical drawing/ Spare list submit to AIIMS before handing over.
27. Conditional bids would be summarily rejected.
28. Bidder has to submit the undertaking from OEM for interrupted supply of spares.
29. Earthing if requires will be in the scope of Vendor and Value should be less than 1 ohm.
30. In tendering only OEM/Authorized dealers of OEM or the vendor having sufficient work experience in the same field will allowed.
31. The Planning, Designing & SITC will be complete in all respect and put in to operation even when certain details have not been given/ left out in the specifications. Any discrepancy in this regard may be brought out in pre-bid meeting.
32. Party should have E-Way Bill for the items procured for respective work. These bills may be demanded as per requirement.
33. Route marker for underground cables are necessary and will be provided by contractor.
34. Underground Cable norms:-
 - For LT Cable not less than 750 mm.
 - For HT Cable (11 KV) not less than 900 mm.
 - For (33 KV) not less than 1200 mm.
35. There will be trial run for 10 days. The Trial run will be conducted at the risk and cost of Vendor.
36. No inspection outside the country will be permissible. If required the same will be to deemed to be

waved off and necessary test reports shall be submitted before the dispatch of equipment.

37. T&P : The AIIMS will not issue any T&P for execution of the work.
38. Guarantee/ Warranty must be signed by Authorised person with stamp.
39. If any case of deviation in items during execution of work only upgraded system will be accepted.
40. **FINAL INSPECTION:-** It will be carried out by Engineer-in –Charge. In case any deficiency noticed during demonstration the same will be attended by the Vendor at his own cost & risk.
41. Cutting and Making will be allowed with prior permission, if necessary for completeness for work. Vendor has to repair the damage portion and handover the site as good as before starting the work.
42. **Site Inspection:** Before submission of offer, the bidders must inspect the sites and be well acquainted themselves with the actual the scope of works and other prevalent conditions, facilities available, position of material and labour, means of transport and access to Site, accommodation, etc. No claim will be entertained later on the grounds of lack of knowledge of any of these conditions.
43. All necessary work required to make full functional will be taken up the successful bidder.
44. It is a SITC type job hence contractor is advised to inspect the site carefully before quoting the rates. The contractor shall be deemed to have satisfied himself to the nature & extent of work at site & no claim for extra payment/or time extension will be allowed on the ground that he was not conversant with condition providing at the site. The rate shall be inclusive of all taxes, accessories, machining & labor, dismantling i.e. site clearance & shifting the debris from work place to specified place at site etc. The Spare list given above is tentative hence contractor may provide a comprehensive list which is suppose to be require to make full functional facility.
45. All tools and tackles required for overhauling will be arranged by the party.
46. **Guarantee Period:-**The contractor will be responsible for malfunctioning of Material/spares supplied by him, it might be due to poor workmanship or due to spare supplied by him, for a period of ONE year from the date of satisfactory completing the job. He has to rectify the fault arises due to above at own cost.
47. Note:- Electrical Panel Drawing and design shall be approved by Engineer in charge prior manufacturing of panel. All material used under this work of Internal Electrification shall be approved by Engineer in charge before execution.
48. **Shut Downs: No routine shut down shall be permitted during office hours. The contractor shall be at liberty to carry out work on holidays and after office hours but with prior permission of AIIMS. During Shut down agency has to make alternate power supply arrangements at their own cost for the areas affected during shut down. No extra amount shall be paid on account of providing alternate power supply. Rates should be quoted accordingly. Agency are requested to attend pre bid meeting to seek clarification of shut down procedure.**
49. **Drawing & Design:** The contractor shall prepare drawings viz., - Single Line Diagram (SLD), Layout Drawing, Scheme drawing etc. or other related drawing in AutoCAD, as per existing equipments installed in the building, as and when directed by AIIMS or if any modification/changes take place due to repair/replacement/up-gradation during the contract. The contractor shall submit the drawings in Hard as well in soft copy to AIIMS for its reference.
50. AIIMS will not be responsible for any lapse on the part of the Contractor in enforcing of provisions of any Labour Acts /Laws, viz., Payment of Wages Act, Minimum Wages Act, Contract Labour (Regulation & Abolition) Act, 1970 and (Central) Rules, 1971 / Industrial Disputes Act, 1947 and (Central) Rules 1957, Employee’s State Insurance Act, 1948 (ESI), Employee’s Provident Funds and

Miscellaneous Provisions Act, 1952 EPF), Gratuity, Workmen Compensation Act, Bonus Act, etc. It will be the contractor's responsibility to abide by all Statutory Laws/Regulations applicable to the contract labour engaged by him on the Contract Work. Receipt of any complaints on this ground viewed seriously. It is expressly understood that the manpower deployed by the contractor are not on the rolls of AIIMS and no legal relationship of whatsoever subsists between AIIMS and such personnel employed by the contractor.

51. This being a pure works contract, the personnel engaged by the contractor and deployed by him at AIIMS premises will be in no way be deemed as working under employment of AIIMS and there shall not exist any employer-employee relationship between AIIMS and the contractor or his personnel deployed by him. The Contractor or personnel shall have nothing to do with AIIMS either in respect of wages/salary or such other statutory benefits or compensation etc. under the Labour Laws and other related Laws i.e. Gratuity, Bonus or Workmen Compensation Act or any other law in force. The contractor shall obtain an appropriate/adequate Policy i.e. Contractor All Risks (CAR) Policy so as to meet any obligation in any eventuality. The Contractor will be responsible for providing benefits like ESI, PF, Bonus, Group Insurance Scheme etc. under the relevant rules/laws of the State and Central Government. The Contractor shall be solely liable for any dispute that might arise in any matter in future for violation/non-compliance of Labour Laws/regulations and AIIMS will have no responsibility, whatsoever.
52. The employee of the contractor will ensure strict discipline and behavior and diligent performance of their duties most befitting to the décor of the most modern mechanized building and the employees of the contractor shall not in any manner cause any interference, annoyance, nuisance etc. to AIIMS staff or its business or working and will be liable for immediately replacing/relocating the individual employee if the services rendered by him are not found to be satisfactory.
53. In case of any damage to AIIMS's property/premises for which contractor is accountable, the contractor will be liable to pay the compensation to AIIMS as may be advised by AIIMS. The contractor shall also take full responsibility and compensate AIIMS for any loss/damage/break-down caused to the installation due to negligence of his workers.
54. AIIMS will not be responsible for any accident/injury/death caused to the employees provided by the contractor at site. It will be the responsibility of the contractor to abide with the all the provisions of the Workmen Compensation Act, 1923 and no compensation, whatsoever shall be paid by AIIMS in this regard.
55. Integrity Pact (IP) shall be applicable for all tenders / contracts as indicated in tender document. This integrity pact shall be issued as part of the Tender documents and shall be submitted by the bidder along with Technical bid duly filled, signed and stamped by the authorized signatory who signs the bid. Only those vendors / bidders who have entered into such an IP with AIIMS shall be considered qualified to participate in the bidding. Entering into this pact shall be a preliminary qualification.
56. Technical bids submitted by the bidder will be opened first and evaluated for fulfilling the Pre-qualification criteria and other conditions in NIT/Tender documents, based on documentary evidences submitted along with the offer.
57. In case the qualifying experience is claimed by private organizations based on work order and completion certificates from another private organization, AIIMS reserves the right to ask for further proofs including submission of TDS certificates for the said job.

58. Defect Liability period/ warranty/ guarantee:-

The contractor will be responsible for malfunctioning of Material/spares fittings/fixtures supplied by him, it might be due to poor workmanship or due to spare supplied by him, for a period of Guarantee/warranty from the date of material received at AIIMS store. If any panel will be defected, contractor has to replace the same at his own cost within given time by AIIMS authority.

59. Performance bank guarantee:

Upon acceptance of Tender, the successful Bidder is required to deposit an amount equivalent to **10%** of the contract value as Performance Bank Guarantee. The Performance bank guarantee should be furnished within 15 days from the date of Letter of acceptance to the contractor.

Performance bank guarantee may be furnished in the following forms:-

- a) Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the Companies Act. in the form of FDR only.
- b) The Bank Guarantee shall not carry any interest.
- c) The Performance Bank Guarantees should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the contractor including warranty obligations and the same shall be kept valid by proper renewal till the acceptance of Final Bills of the Contractor, by AIIMS and same will be release after sixty days of Successful completion of work and satisfaction of Engineer-in –charge.
- d) It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period as may be advised by AIIMS. AIIMS shall not be liable for issue of any reminders on expiry of the Bank Guarantees.
- e) In case the Bank Guarantees are not extended before the expiry date, AIIMS reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder/contractor.
- f) Bidders to note that any corrections to Bank Guarantees shall be done by the issuing Bank only through and amendment in an appropriate non judicial stamp paper.
- g) The Original Bank Guarantee may be sent directly by the Bank to AIIMS under Registered Post (Acknowledgement Due), addressed to the Executive Engineer (E), AIIMS, Virbhadra Road Shivaji Nagar, Near Barrage, Stuaida colony, Rishikesh-249203.
- h) AIIMS reserves the right of forfeiture of Security Deposit in addition to other claims and penalties in the event of the Contractor's failure to fulfill any of the contractual obligations or in the event of termination of contract as per terms and conditions of contracts with AIIMS.

60. Security Deposit :-

Security Deposit 2.5% of tendered value plus 50% of performance guarantee for contract will deducted by the AIIMS Rishikesh, the following shall be complied with:

- a) Security deposit will be deducted from Running bill/ Final bill of the contractor.

61. Return of Security Deposit:-

Security Deposit will be released to the Contractor after deducting all expenses /other amounts due to AIIMS, penalty amount if any, after defect liability/warranty/ guarantee period of the contract.

62. Before payment from AIIMS the contractor has to submit an affidavit regarding timely payment of wages (as per govt. rule) for labour working under vendor on respective site.

63. The wages will be paid as per the rule listed by Government. No Juvenile worker should be engage in site.

64. No any type of Advance given to contractor.

65. Payment Terms:-

- 60 % payment after installation.
- 20 % payment after commissioning.
- 20 % payment after handing over.

66. Payment will be made as per terms and conditions of tender document. However, it may depend on availability of funds. It can be delay due to scarcity of funds.

67. Items not mentioned in under BOQ (Schedules of Quantity) but required for smooth functioning of extension panel shall be in the scope of successful bidder. No extra amount shall be payable on account of Supply, Installation, Testing & Commissioning of item not mentioned in BOQ.

**Executive Engineer (E),
AIIMS Rishikesh**

TECHNICAL SPECIFICATIONS

1. All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
2. All hardware materials such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron.
3. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
4. While laying conduit, suitable junction boxes shall be left for pulling the wires.
5. Copper wire shall be FRLS PVC insulated multi-stranded conductor. Termination of multi stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.
6. The makes of material have been indicated in the list of acceptable makes. No other make will be acceptable. The material to be used in the work shall be got approved from the Engineer-in Charge before its use at site. The Engineer-in-Charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.
7. The proof of purchase in the form of Invoice/cash memo, of all the major components such as Cables, Wires, Fittings, MCB DB's, Geysers, Exhaust fans etc. shall have to be produced by the contractor at the time of final bill or as and when demanded by the deptt.
8. Test report of all the XLPE insulated PVC sheathed armoured power cables used at site of work shall have to be submitted by the contractor at the time of submission of final bill.
9. Where switches/sockets/telephone outlets are to be provided, the same shall be of only one make.
10. The MCB distribution boards shall be factory fabricated in the works of the manufacturer of the MCB's of any of the makes specified and the same shall be duly pre-wired in the works. The board shall be brought to site in ready for installation condition. The MCBs and the MCB distribution board shall be of the same make.
11. The earthing shall be carried out in the presence of the Engineer-in-Charge or his authorized representative.
12. All fittings/fans will be earthed as per specifications.

**Executive Engineer (E),
AIIMS Rishikesh**

FORM OF EARNEST MONEY (BANK GUARANTEE)

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

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at

..... (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words

.....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day 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, OR
 - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor, OR
 - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

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

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

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

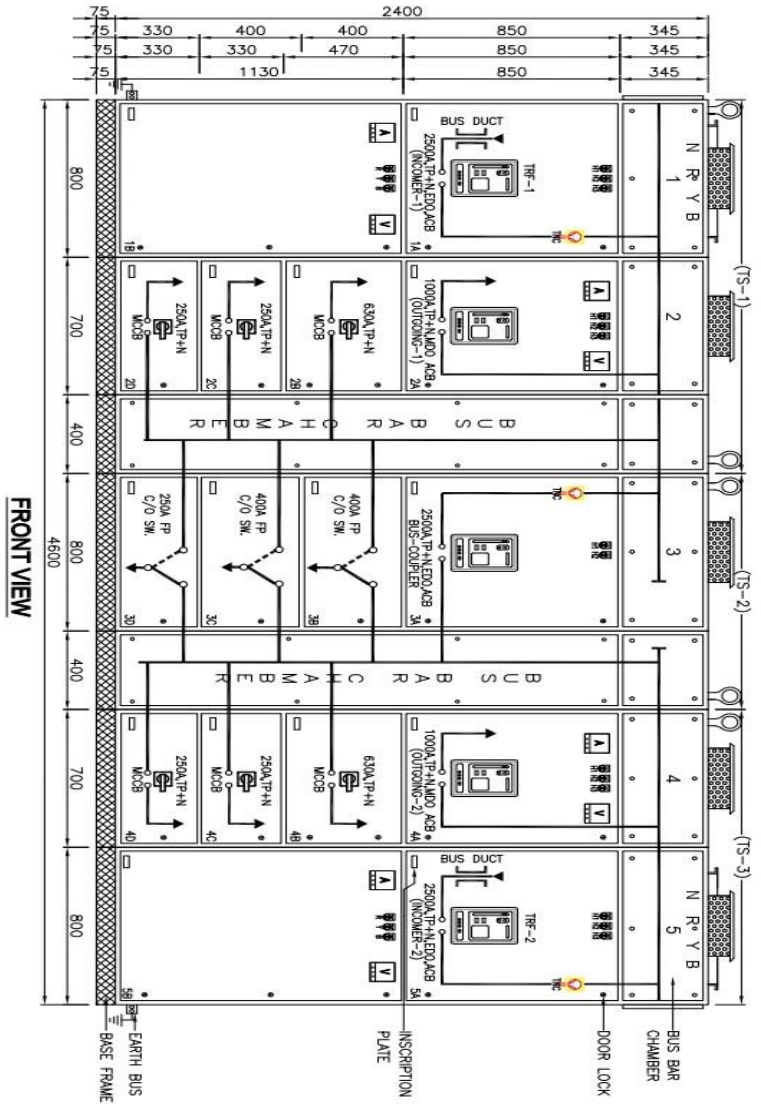
*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

LIST OF ACCEPTABLE MAKE

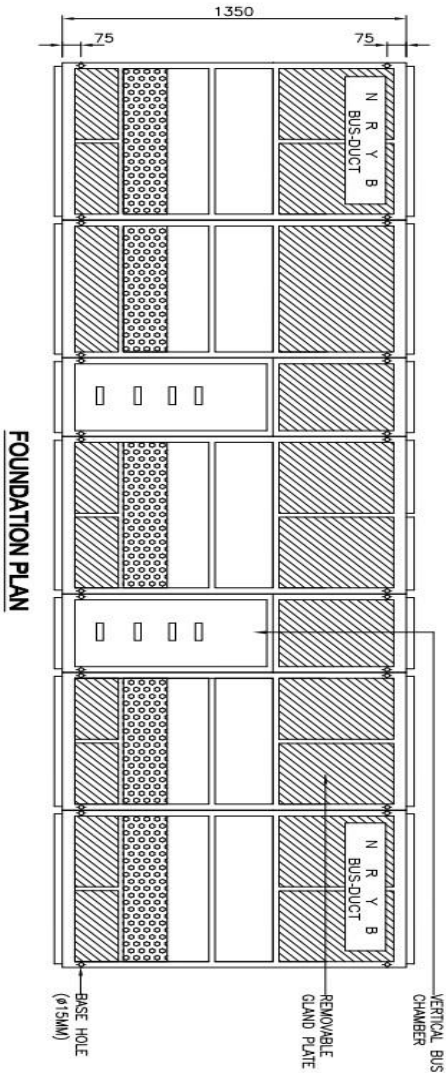
S. No.	Item	Name of Manufacturers
1	FRLS PVC insulated copper conductor single core cable for wiring. (ISI marked)	Universal/Nicco/Finolex /R.R Kable/ Havells/ Batra/ Henlay/Anchor/Grandlay/Bonton/KEI
2	MS Conduit i/c accessories (ISI marked)	AKG/BEC/NIC/Steelcraft / JPC Pipes/RMCON
3	DWC Pipe	REX/Duraline/Gemini pipe
4	GI Pipe	Tata/Jindal (Hissar)/Prakash Surya/Swastik
5	Terminal Blocks and connectors	Elmex/Essen/Connect Well.
6	Compact air insulated rising main/ Bus duct.	Legrand/Schneider/L&T/GE/C&S/Advance
7	MCB, MCB,DB, RCBO's/RCCB's	Schneider Electric/Legrand/L&T/ Hagger/Siemens/ABB/Anchor/C&S/Havells
8	MCCB/Timer	Schneider Electric/ Siemens/Larsen & Toubro/ Legrand/L&T Multiline/ Havells/ABB/C&S
9	SFU, FSU, HRC Fuses, cable management/system/DLP Trunking	Schneider Electric/ Siemens/ Legrand/ L&T/ Havells/C&S/Advance
10	Ammeter/Voltmeter/ Energy Meter /trivactor meter	Legrand/ L&T/ABB/Siemens (only digital type to be used)
11	Selector Switch/CT's	Kayee/Siemens/Bhartiya Cutler Hammer/L&T
12	Change over Switch	HPL/H-Elcon/Standard/L&T/Siemens/C&S
13	Indicating Lamps	Teknic/Siemens/L&T/Vaishnov
14	Panel Board/Feeder Pillar	Manufactures having ISO 9001 certification & CPRI approved
15	Energy Meter/Multifunctional/Intelligent Energy Meter.	HPL/L&T/Hensel/Anchor/Siemens/Legrand/Secure/ABB
16	Fresh Air Fan/Wall Mounted Fan/Ceiling fan/Exhaust fan. (only energy efficient fans, consuming ≤ 50 W and CMM ≥ 200 for 1200 mm & 60 W and CMM ≥ 240 for 1400 mm shall be used).	Crompton/Orient/Polar/Khaitan/ Ortem/ Usha
17	Fluorescent/CFL/LED/Flood/Bulk head Fitting	Phillips/GE/Wipro/Crompton/C&S
18	Lamps	GE/Osram/Phillips/Wipro/C&S
19	Wall Brackets	DECON/Phillips/GE/Havells
20	Angle Holder/Batten Holder (ISI marked)	Kinjal/Emperor/Anchor
21	Geyser	Racold/Crompton/Jaguar./AO Smith
22	XLPE insulated PVC sheathed aluminium cable upto 1.1 KV Gd	Polycab/Finolex/KEI/RR Kabel/Havells
23	PVC conduit i/c accessories	Precision/Asian/Diamond/Mod./AKG/JPC Pipes
24	Paino type Switches/Socket/TV / Telephone Outlet (ISI marked)	Anchor/Rider/Leader

DRAWINGS FOR SUBSTATION 1

Note :- (These drawing are given merely as a rough guide. Vendors provide their own drawings after visiting the site.)



FRONT VIEW



FOUNDATION PLAN

LEGENDS DISCRPTION

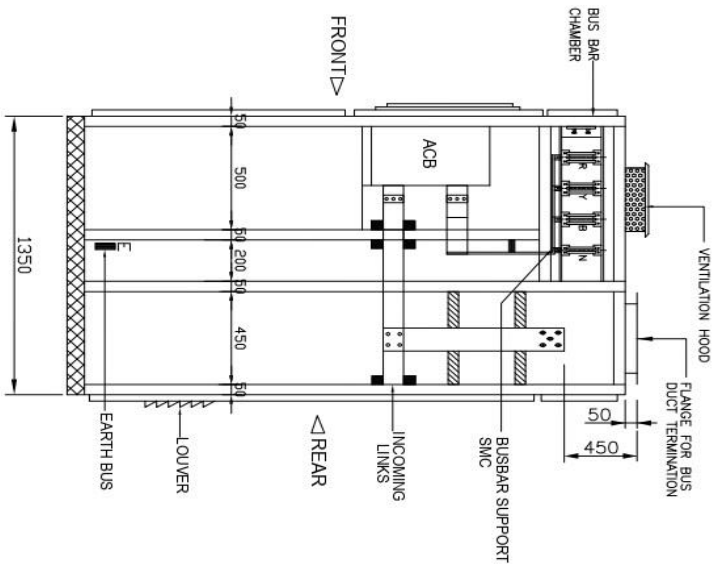
- R : R-PHASE "RED"
- Y : Y-PHASE "YELLOW"
- B : B-PHASE "BLUE"
- H1 : INDICATION "ON" "RED"
- H2 : INDICATION "OFF" "GREEN"
- H3 : INDICATION "TRIP" "AMBER"
- A : DIGITAL AMMETER
- V : DIGITAL VOLTMETER
- BCS : BREAKER CONTROL SWITCH (TNC)
- ACB : AIR CIRCUIT BREAKER
- MCB : MINIATURE CIRCUIT BREAKER
- C/O : CHANGE OVER SWITCH

MAIN BUS BAR SIZE:

- PHASE : 3 x 125x10 Sq. mm. AL.
- NEUTRAL : 2 x 125x10 Sq. mm. AL.] OR EQUIL.
- EARTH : 1 x 50x6 Sq. mm. AL.
- CABLE ENTRY:- TOP/BOTTOM
- DUCT ENTRY :- TOP

TENDER PURPOSE ONLY

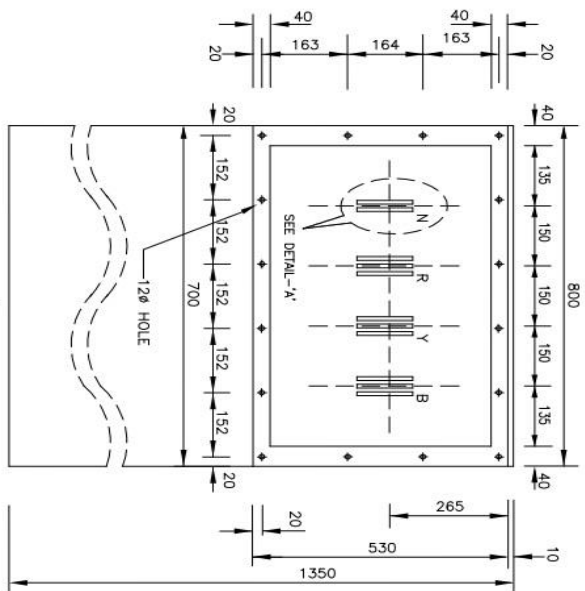
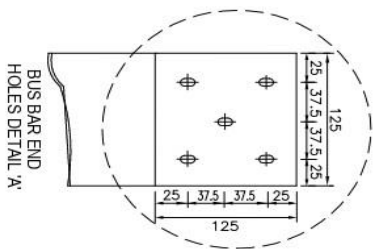
RECOMMENDED REAR ACCESS	1000mm.	CABLE ENTRY	TOP/BOTTOM	YES	PAINT SHADE	INSIDE / OUTSIDE	GLAND PLATE
RECOMMENDED FRONT ACCESS	1000mm.	DUCT ENTRY	TOP ONLY	YES		MOUNTING PLATE	ZINC PASSIVATED



SECTIONAL SIDE VIEW
TYP. BUS BAR ARRANGEMENT

MAIN BUS BAR SIZE:
 PHASE : 3 x 125x10 Sq. mm. AL.
 NEUTRAL : 2 x 125x10 Sq. mm. AL.
 EARTH : 1 x 50x06 Sq. mm. AL.] OR EQUIL.
 CABLE ENTRY:- TOP/BOTTOM
 DUCT ENTRY :- TOP

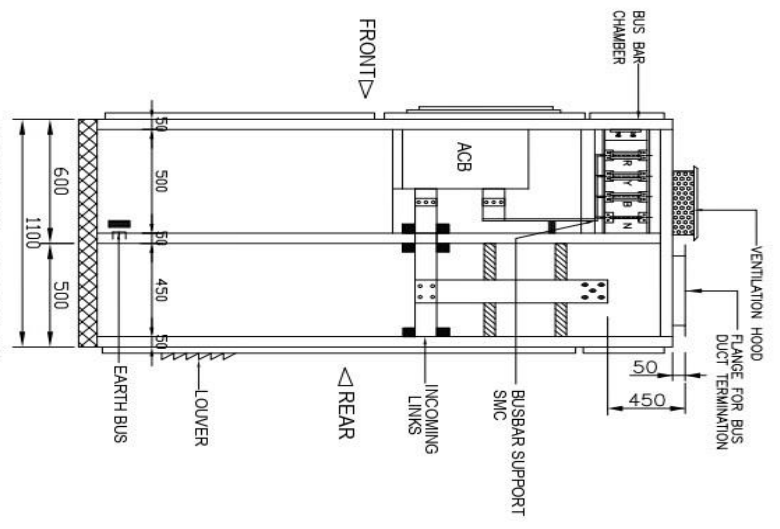
TENDER PURPOSE ONLY



TOP VIEW
 FLANGE DETAIL OF TRF. & DG. INCOMERS
 FOR BAY No. - 1 & 5
 BUS BAR INSIDE FROM TOP OF
 THE PANEL FLANGE = 450MM.
 HEIGHT OF THE PANEL FLANGE = 50MM.

BUS DUCT RISER SIZE :-
 PHASE : 3x125x10 Sq.mm. AL] OR EQUIL.
 NEUTRAL : 2x125x10 Sq.mm. AL]

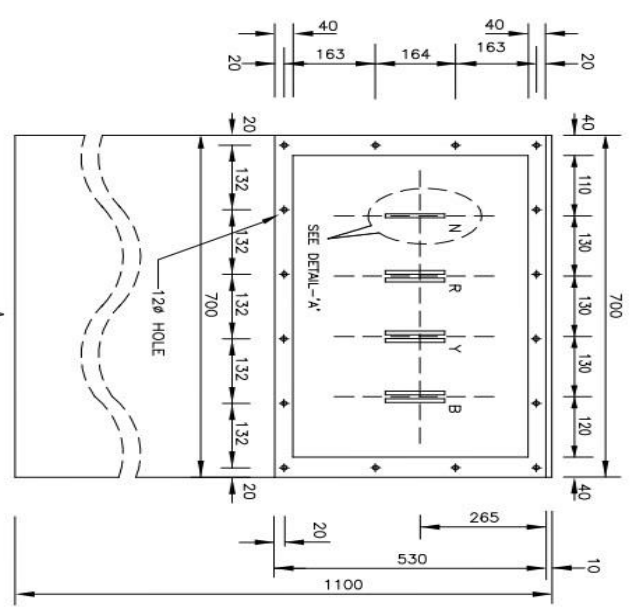
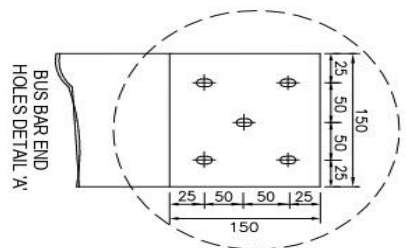
RECOMMENDED REAR ACCESS	1000mm.	CABLE ENTRY	TOP/BOTTOM	YES	PAINT SHADE	INSIDE / OUTSIDE	(RAL-7035) OR EQUIL.	GLAND PLATE	ZINC PASSIVATED
RECOMMENDED FRONT ACCESS	1000mm.	DUCT ENTRY	TOP ONLY	YES		MOUNTING PLATE	(RAL-7035) OR EQUIL.		



SECTIONAL SIDE VIEW
TYP. BUS BAR ARRANGEMENT

MAIN BUS BAR SIZE:
 PHASE : 2 x 150x10 Sq. mm. AL.
 NEUTRAL : 1 x 150x10 Sq. mm. AL.
 EARTH : 1 x 50x06 Sq. mm. AL.
 CABLE ENTRY:- TOP/BOTTOM
 DUCT ENTRY :- TOP

TENDER PURPOSE ONLY



TOP VIEW
 FLANGE DETAIL OF TRF. & DG. INCOMERS
 FOR BAY No. - 1 & 5
 BUS BAR INSIDE FROM TOP OF
 THE PANEL FLANGE = 450MM.
 HEIGHT OF THE PANEL FLANGE = 50MM.
BUS DUCT RISER SIZE :-
 PHASE : 2x150x10 Sq. mm. AL.] OR EQUIL.
 NEUTRAL : 1x150x10 Sq. mm. AL.

RECOMMENDED REAR ACCESS	1000mm.	CABLE ENTRY DUCT ENTRY	TOP/BOTTOM TOP ONLY	YES YES	PAINT SHADE	INSIDE/ OUTSIDE MOUNTING PLATE	(RAL-7035) OR EQUIL. (RAL-7035) OR EQUIL.	GLAND PLATE	ZINC PASSIVATED
RECOMMENDED FRONT ACCESS	1000mm.								

FINANCIAL BID

SCHEDULE OF RATES (To be submitted in Financial Bid)

S.No	DSR Item	Description	Unit	Qty	Rate	Amount
1	N.S.R	Planning, Designing, Modification and SITC of M.V. cubicle type totally enclosed, Free standing type, powder coated, dust proof, 2 mm thickness CRCA powder coated sheet, damp and vermin proof, indoor type Panel complete with busbars, M.V. danger notice plate, interconnections with suitable capacity aluminium bars/solid aluminium strips/rods, connection of incoming and outgoing cables with thimbles, and having following incoming and outgoing switchgears complete as per technical specification and as required.				
		INCOMER: 2500A TPN ACB FEEDER				
		2nos. , 2500 Ampere, TPN EDO ACB 50KA Microprocessor based release with O/L, S/C & E/F Protection + U/V Release (Duct Connection)				
		2 nos., 16 Ampere, Breaker Control Switch				
		12 nos. , 220V AC, Indicating light LED type (R/Y/B) (ON/OFF/TRIP)				
		2 nos. , 0-500V , Digital Voltmeter with selector switch				
		2 nos., 0-2500 Ampere, Digital Ammeter with selector switch				
		6 nos., 2500 Ampere, Metering CT -/5A CL-1.0, 15VA				
		2 nos., 6 Ampere, Auto Manual Selector Switch				
		6 nos., Auxiliary Contactor with 2NO+2NC				
		16 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		B/C: 2500A TPN ACB FEEDER				
		1 nos., 2500 Ampere, TPN EDO ACB 50KA without Protection Release + U/V Release				
		1 nos., 16 Ampere, Breaker Control Switch				
		3 nos., 220V AC, Indicating light LED type (ON/OFF/TRIP)				
		1 nos. , Interlocking Kit				
		1nos. , 6 Ampere, Auto Manual Selector Switch				
		3 nos., Auxiliary Contactor with 2NO+2NC				
		3 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		O/G: 1000A TPN ACB FEEDER				
		2 nos., 1000 Ampere , TPN MDO ACB 50KA Microprocessor based release with O/L, S/C & E/F Protection				
		6 nos., 220V AC, Indicating light LED type (ON/OFF/TRIP)				
		2 nos., 0-500V , Digital Voltmeter with selector switch				
		2 nos., 0- 2500 Ampere, Digital Ammeter with selector switch				
		6 nos., 1000 Ampere , Metering CT -/5A CL-1.0, 15VA				
		8 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		O/G- FP CHANGEOVER SWITCH FEEDER				
		2 nos. , 400 Ampere, FP Changeover Switch				
		1 nos. , 250 Ampere, FP Changeover Switch				
			Lot	1		

		O/G-MCCB FEEDER				
		2 nos. , 630 Ampere, FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + Spreader Links + ROM				
		4 nos., 250 Ampere , FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + Spreader Links + ROM				
2	N.S.R	Planning, Designing, Modification and SITC of M.V. cubicle type totally enclosed, Free standing type, powder coated, dust proof, 2 mm thickness CRCA powder coated sheet, damp and vermin proof, indoor type Panel complete with busbars, M.V. danger notice plate, interconnections with suitable capacity aluminium bars/solid aluminium strips/rods, connection of incoming and outgoing cables with thimbles, and having following incoming and outgoing switchgears complete as per technical specification and as required.				
		INCOMER: 2000A TPN ACB FEEDER				
		2nos. , 2000 Ampere, TPN EDO ACB 50KA Microprocessor based release with O/L, S/C & E/F Protection + U/V Release (Duct Connection)				
		2 nos., 16 Ampere, Breaker Control Switch				
		12 nos. , 220V AC, Indicating light LED type (R/Y/B) (ON/OFF/TRIP)				
		2 nos. , 0-500V , Digital Voltmeter with selector switch				
		2 nos., 0-2500 Ampere, Digital Ammeter with selector switch				
		6 nos., 2500 Ampere, Metering CT -/5A CL-1.0, 15VA				
		2 nos., 6 Ampere, Auto Manual Selector Switch				
		8 nos., Auxiliary Contactor with 2NO+2NC				
		14 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		B/C: 2000A TPN ACB FEEDER				
		1 nos., 2000 Ampere, TPN EDO ACB 50KA without Protection Release + U/V Release				
		1 nos., 16 Ampere, Breaker Control Switch				
		3 nos., 220V AC, Indicating light LED type (ON/OFF/TRIP)				
		1 nos. , Interlocking Kit				
		1 nos. , 6 Ampere, Auto Manual Selector Switch				
		4 nos., Auxiliary Contactor with 2NO+2NC				
		3 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		O/G: 1000A TPN ACB FEEDER				
		1 nos., 1000 Ampere , TPN MDO ACB 50KA Microprocessor based release with O/L, S/C & E/F Protection				
		3 nos., 220V AC, Indicating light LED type (ON/OFF/TRIP)				
		1 nos., 0-500V , Digital Voltmeter with selector switch				
		1 nos., 0- 2500 Ampere, Digital Ammeter with selector switch				
		3 nos., 1000 Ampere , Metering CT -/5A CL-1.0, 15VA				
		4 nos., 6 Ampere, SP Control MCB 10KA 'C' Curve				
		O/G- FP CHANGEOVER SWITCH FEEDER				
		2 nos. , 400 Ampere, FP Changeover Switch				
		1 nos. , 250 Ampere, FP Changeover Switch				
			Job	1		

		O/G-MCCB FEEDER				
		1 nos. , 800 Ampere, FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + Spreader Links + ROM				
		1 nos., 400 Ampere , FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + Spreader Links + ROM				
		2 nos., 250 Ampere , FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + Spreader Links + ROM				
		1 nos., 100 Ampere , FP MCCB 50kA Microprocessor based release with O/L, S/C Protection + ROM				
3	N.S.R	Planning, Designing and SITC of Sandwich Bustrunking with Aluminium Conductor, including, G.I. clamping brackets, suspenders, angle iron bracket, steel fasteners, connecting to earthing system etc. as required as per following Specifications. : 3 Phase & 4 Wire, Totally enclosed with 1.6 mm thick GI sheet housing, Epoxy powder coated , dust and vermin proof with IP55 (Indoor) Ingress Protection, Insulated Multi-layer of Polyester Film & Mica Class F (155 ° C), 415 Volt System Voltage, 1000 Volt insulation, frequency 50Hz. 02 nos Al. Earthing of size (40 x 06 mm) will run externally along with enclosure throughout the length. Notes:- Maximum Temperature Rise will be 55 deg. C. over an Ambient Temp. 40 Deg. C				
		2500 Amps Capacity Bus duct				
a		2500 Amps Straight Length Bus duct, 80 kA for 1 Sec (IP-55, Indoor)	Mtr	80		
b		2500 Amps 90 Degree Bends	Nos	10		
c		2500 Amps Flange End	Nos	4		
d		2500 Amps Adopter Box	Nos	4		
e		2500 Amps Copper Flexible	Set	4		
f		2500 Amps Phase Transposition Unit	Nos	4		
		2000 Amps Capacity Bus duct				
a		2000 Amps Straight Length Bus duct, 80 kA for 1 Sec (IP-55, Indoor)	Mtr	60		
b		2000 Amps 90 Degree Bends	Nos	14		
c		2000 Amps Flange End	Nos	4		
d		2000 Amps Adopter Box	Nos	4		
e		2000 Amps Copper Flexible	Set	4		
f		2000 Amps Phase Transposition Unit	Nos	5		
4	N.S.R	Supply of Aluminum conductor XLPE insulated sheath armoured cable of 1.1KV grade conforming to IS:1554				
a		3.5 x 300 sq.mm	Meter	1000		
4	14.16	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. Direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required				
a	14.16.3	120 mm dia (OD-120 mm & ID-103 mm nominal)	Meter	1000		

5	7.5	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/ DWC HDPE pipe as required.				
a	7.5.4	Above 185 sq. mm and upto 400 sq. mm	Meter	1000		
6	9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
a	9.1.30	3½ X 300 sq. mm (70mm)	Each	8		
7	2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required	each	10		
8	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 meter long etc. with charcoal/ coke and salt as required.	set	4		
9	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	set	4		
10	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 meter below ground as strip earth electrode, including connection/terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Meter	50		
11	5.10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Meter	50		
12	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Meter	150		
Total Amount Inclusive of GST :-						

Note:

- 1. Evaluation of Financial bids will be based on total amount (including taxes) i.e. Quoted by the bidder.**
2. Submission in any other format may result in cancellation of the offer.

Specification of ACB

1. Single frame size of ACB with common accessories . So that in case of emergency, any ACB's can be interchanged and get the work done resulting better dependability.
2. ACB shall be provided with terminal adaptors at both ends (Incoming + Outgoing) & of OEM make.
3. All ACBs shall be suitable for Pollution degree as per IEC.
4. Positive indication shall be provided for service, test and isolated positions & it should be provided with auto positive locking for each position & lock should be release by using push button.
5. 4 nos. indicating lamps for ON, OFF, TRIP & Ready to close/ trip circuit healthy, conditions of the breakers.
6. ACB shall be EDO/MDO.
7. Microprocessor based protection release shall have differentiation for O/L, S/C, E/F and Internal fault release with current display.
8. shall have Zone Selective Interlocking as a standard feature.
9. Break time of ACB should be equal or less than 25ms.
10. Ready to close mechanism and contacts.
11. Continuous rated Tripping and closing coil.
12. ICS=100% ICU, ICW =1sec.
13. Wherever TPN read as Four Pole.
14. Interlocking arrangement should be provided in bus coupler and ACB.

Specification of LT Panel

1. Degree of protection of LT panels IP-42 and form of separation of LT panels 3b as per IS/IEC60439-1.

Specification of Bus duct

1. Housing Thickness 1.6 mm (+/- 0.1 mm).
2. Mechanical Strength shall be remain IK-10.
3. Bust duct Sandwich type.
4. All Jointing contacts shall be silver flashed copper contacts.
5. Each and every rating shall be fully type tested as per IEC 61439 Part 6.
6. Safety Mark shall be available on sticker of every element.
7. BBT shall contain AL Integral earthing throughout the length.

Specification of MCCB Microprocessor based.

1. Total Discrimination charts for MCCB's & MCB combination.
2. Cascading data for MCCB's & MCB combination.
3. ICS=100% ICU