

All India Institute of Medical Sciences
Veerbhadra Marg, Pashulok,
Rishikesh-249203



Tender document for Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh.

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|------------------------------------|---|-------------------------------------|
| Ref. No. | : | <u>47/01/2019/RIS/ES-548</u> |
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Name of Work: - Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh.

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Certified that this bid document contains pages 1 to 43 (One to forty Three page).

Executive Engineer (E)
AIIMS, Rishikesh

**Tender document may be downloaded from CPPP site <https://eprocure.gov.in>
NIT may be downloaded from institute's website www.aiimsrishikesh.edu.in**

AIIMS, Rishikesh**NOTICE INVITING TENDER**

The Executive Engineer (E) , AIIMS Rishikesh on behalf of Director, AIIMS Rishikesh invites Item rate e-tenders from approved and eligible contractors of CPWD, MES, Railways, Original Equipment manufacturer or their authorized dealers for the following work :-

NIT No. : 47/01/2019/RIS/ES-548

Name of Work: - Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh.

Estimated Cost: **Rs. 9, 64,052.00** Earnest money: **Rs. 19,300.00** & period of completion: **45 days**

Last date & time of submission of bids: **20-02-2020 upto** 1500 hours

The tender forms and other details can be seen and downloaded from the website www.aiimsrishikesh.edu.in or CPPP site <http://eprocure.gov.in>

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

The Executive Engineer (E) , AIIMS Rishikesh on behalf of Director, AIIMS Rishikesh invites Item rate e-tenders from approved and eligible contractors of CPWD, MES, Railways, Original Equipment Manufacturer or their authorized dealers for the following work :-

| Name of work & Location | Estimated cost put to bid | Earnest Money | Period of Completion | Last date & time of submission of bid | Time & date of opening of technical bid |
|--|---------------------------|---------------|----------------------|---------------------------------------|---|
| Supply,Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh. | Rs. 9, 64,052.00 | Rs. 19,300.00 | 45 Days | 20-02-2020 upto 1500 Hrs | 21-02-2020 at 1500 Hrs |

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.aiimsrishikesh.edu.in or <https://eprocure.gov.in>
- But the bid can only be submitted after depositing tender fee in favour of AIIMS Rishikesh and uploading the mandatory scanned documents such as Demand draft or pay order or banker's cheque or deposit at call receipt or fixed deposit receipts and bank guarantee of any scheduled bank towards EMD in favour of AIIMS Rishikesh and other documents as specified.
- Those contractors not registered on the website mentioned above, are requested to get registered beforehand.
- The intending bidder must have valid class-III digital signature to submit the bid.
- On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
- Contractor should upload documents in the form of PDF format only and hard copy of all the documents should be submitted in tender office before the last date of submission of Bid.
- 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).
- The contractor should quote the rate of item including GST as per statutory rules.

11. (i) 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 alongwith bid documents.

(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 @ 5% against performance guarantee of contract value in the form of FD/BG/TD/CD 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.

14. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 60 (sixty) 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 re-bidding process of the work.**

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

I. Treasury Challan /Demand draft/Pay order or Banker’s Cheque/ Deposit at call Receipt/FDR/Bank guarantee of any scheduled bank against EMD and tender fee.

II. Enlistment Order of the Contractor. OR Authorizations Order Original Equipment manufacturer or their authorized.

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

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

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, and Railways, Original Equipment Manufacturer or their authorized dealers for the work of “Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh.”.

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

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

- 1.1 The work is estimated to Cost **Rs. 9, 64,052.00** 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. 3,85,620.00** or two similar work each of value not less than **Rs.5,78,431.00** or one similar work of value not less than **Rs. 7,71,241.00** 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, UPS Supply and Installation.

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.

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 available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
3. The time allowed for carrying out the work will be 45 days from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
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 DD/Pay Order for Rs.1180.00 (non –refundable) in favour of “AIIMS, Rishikesh”, payable at Rishikesh. The required EMD shall be uploaded with the required documents otherwise tender submitted may stand rejected.**

6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of time (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five 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.**
9. A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 Laks, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for Six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

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.

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 Executive Engineer (E), AIIMS Rishikesh (The EMD document shall only be issued from the place in which the office of receiving division office is situated).
 - (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.
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.

- 11 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.
- 12 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.
- 13 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.
- 14 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 Executive Engineer (E) , 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.
15. 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.
17. The bid for the works shall remain open for acceptance for a period of 60 days from the date of opening of bids/60 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.
16. 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: 47/01/2019/RIS/ES-548

Name of work: - Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII 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

To,

The Executive Engineer (E),
AIIMS Rishikesh,

Sub: Submission of Tender for Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII 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.

Yours faithfully

(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 endeavour 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.

- 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.
- d) 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

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:

- 1) If the Bidder (s) / Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 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.**

2) Forfeiture of EMD/Performance Guarantee/Security Deposit:

If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract 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.

3) Criminal Liability:

If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of 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

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.

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 शर्तों, 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.

₹ **19,300.00** की धनराशि, धरोहर राशि के रूप में ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/ अनुसूचित बैंक की सावधी जमा रसीद /अनुसूचित बैंक का डिमांड ड्राफ्ट/ अनुसूचित बैंक द्वारा जारी बैंक गारंटी के रूप में इसके साथ भेजी जा रही है। यदि मैं / हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/ हम यह मंजूर करते हैं कि 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 प्रतिषेध 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 ₹ **19,300.00** is hereby forwarded in Multiple Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt / Fixed Deposit receipts of a scheduled bank / demand draft of a scheduled bank/bank guarantee issued by a scheduled bank as earnest money. If I/We fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said 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 aviolation 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 हों, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

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

तारीख Dated #.....

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

साक्षी Witness : #

पता Address: #

उपजीविका Occupation : #

To be filled in by the contractor/witness as applicable

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.....

[FOR MAJOR (ELECTRICAL) COMPONENT]

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

Schedule of quantities (Enclosed)

Page No. -

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 |
| NIL | | | |

अनुसूची 'घ' SCHEDULE 'D'

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

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

अनुसूची (ङ) SCHEDULE 'E'

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

General conditions of contract for CPWD works
2016 as amended upto date.

Name of work: Supply Installation testing and commissioning of 30 KVA online UPS for Type-VIII at AIIMS Rishikesh.

| | |
|---|---|
| कार्य की अनुमानित लागत Estimated cost of work | : ₹ 9,64,052.00 |
| (i) धरोहर राशि Earnest money | : ₹ 19,300.00.00 |
| (ii) निष्पादन गारंटी Performance guarantee : | 5% of tendered value. निविदित मूल्य का 5 प्रतिषत |
| (iii) प्रतिभूति निक्षेप: Security Deposit: | 17.5 % of tendered value plus 50% of performance guarantee for contract, involving maintenance of the building and services / other work after construction of same building and services / other work. |

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी

Officer inviting tender -

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

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

EE, AIIMS Rishikesh

निम्नानुसार

see below

Definitions:

| | |
|---|---|
| 2(v) भारसाधक इंजीनियर Engineer-in-Charge | EE, AIIMS Rishikesh |
| 2(viii) स्वीकार कर्ता प्राधिकारी Accepting Authority | Director , AIIMS Rishikesh |
| 2(x) अतिरिक्त और लाभों को पूरा करने के लिए श्रम एवं सामग्रियों की लागत पर प्रतिषतता Percentage on cost of materials and labour to cover all overheads and profits. | 15% (Fifteen per cent) |
| 2(xi) Standard Schedule of Rates: | D.S.R.(Int., Ext.) with upto date correction slips & market rates |
| 2(xii) Department: | AIIMS Rishikesh |
| 9(ii) Standard CPWD contract Form: | GCC 2010, 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 modified Standard CPWD contract Form | CPWD form 8 (Print edition -2016) as 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 अनुमेय एकसटेंषन
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

Director , 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): -**NA**

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

45 Days

Authority to decide
(i) Extension of Time
(ii) Rescheduling of milestones

**EE, AIIMS Rishikesh
EE, AIIMS Rishikesh.**

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

EE, AIIMS Rishikesh**खण्ड Clause 6, 6A**

खंड लागू-(6 या 6 क) Clause applicable

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

NA**खण्ड 10 d Clause 10A**

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

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

खण्ड Clause 10B(ii)

क्या खण्ड 10 ख, पपद्ध लागू होगा

Whether clause 10B (ii) shall be applicable **No**

खण्ड Clause 10C

Component of labour expressed as Percent of value of work **NA**

खण्ड Clause 10CC - NOT APPLICABLE.

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

Clause 10CC to be applicable in case of **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

General specifications for electrical works with up to date correction slips (Hereinafter called CPWD specifications also)

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 building work (Other than foundation)

30%

12.5

(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)

NA

खण्ड Clause 16

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

EE, 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

Constitution of Dispute Redressal Committee (DRC)

Competent Authority to appoint DRC and Arbitrator

| | |
|---|---------------------------|
| DRC shall constitute one Chairman and two members | Director, AIIMS Rishikesh |
|---|---------------------------|

Clause 36(i) Requirement of Technical Representative(s) and Recovery Rate

| Sl. No. | Minimum Qualification of Technical Representative | Discipline | Designation (Principal Technical/Technical representative) | Minimum experience | number | Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i) Per person | |
|---------|---|------------|--|--------------------|--------|--|------------------------------------|
| | | | | | | Figures (` Per person) | Words (` Per person) |
| 1 | i) Diploma/ Graduate Engineer | E & M | Principal Technical Representative | 5/2 years | 1 No | 35000/50,000/- p/m | Thirtyfive thousand/Fifty Thousand |

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Even if contractor (or partner in case of firm/company) is himself an Engineer/Overseer(s), it is necessary on part of contractor to employ Engineer(s) and/or/Overseer for the supervision of the work(s) as per stipulation.

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 NA
- II) अनुमानमूलक मात्राओं में अनुमत विचलन Variations permissible on theoretical quantities. NA
- d½) 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 NA
- for works with estimated cost put to tender more than Rs. 5 lakhs NA
- ख) बिटुमन सभी कार्यों के लिए
- b) Bitumen for all works NA
- ग) इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वलन और संरचनात्मक इस्पात काट
- c) Steel Reinforcement and structural steel sections for each diameter, section and category. NA
- घ) सभी अन्य सामग्रियां
- d) All other materials NA

AMENDMENTS TO GENERAL CONDITIONS OF CONTRACT 2014**OM No. DG/CON/282 Dated 10-12-2014****Sub: Modification in the 5th Paragraph of clause-25(ii) of GCC 2014****The following 5th Paragraph of clause-25(ii) of GCC 2014 is modified as under**

| EXISTING Provision | Modified Provision |
|--|--|
| <p>Clause 25 (ii) 5th Paragraph The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act- 1996 (26 of 1996) or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.</p> | <p>Clause 25 (ii) 5th Paragraph The arbitration shall be conducted in the accordance with the provisions of the Arbitration and Conciliation Act- 1996 (26 of 1996) /The Jammu & Kashmir Arbitration and Conciliation Act, 1997(35 of 1997) (as the case may be) or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause</p> |

OM No DG/SE/CM/CON/283 Dated 05-05-20158**Sujb- Payment of wages to the labour by Contractor****The Following provision of CPWD contractor labour Regulation of GCC2014 are amended**

| Existing Provision | Modified Provision |
|---|---|
| <p>C.P.W.D. Contractor's Labour Regulations 5. Payment of Wages vi) Wages due to every worker shall be paid to him direct or to other person authorized by him in this behalf. vii) All wages shall be paid in current coin or currency or in both. 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. 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 :- "Certified that the amount shown in column Nohas been paid to the workman concerned in my presence</p> | <p>C.P.W.D. Contractor's Labour Regulations 5. Payment of Wages 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. vii) All wages shall be paid through Bank or ECS or online transfer. x) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour. 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:- "Certified that the amount shown in column Nohas been paid to the workman concerned through bank account ofat"</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>Clause 5.1 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'</p> <p>Clause 5.1</p> | <p>Clause 5.1 The contractor shall submit a programme Chart (Time and Progress) for each mile stone alongwith performanceguarantee and get it approved by the Department. The Chart shallbe prepared in direct relation to the time stated in the Contract document for completion of items of the works. It shall indicate theforecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessaryby 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 forany work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work asper mile stones given in Schedule 'F'</p> |
| <p><u>Cluae 7A</u> <u>No Provision</u></p> | <p>Clause 7A 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>Clause 19 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</p> | <p>Clause 19 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. The contractor shall also comply with provisions of the Inter –State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.</p> |

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 (AIIMS Rishikesh) in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said AIIMS Rishikesh 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 substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

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

DATE

SIGNATURE OF THE BANK

WITNESS

SEAL

(SIGNATURE, NAME AND ADDRESS)

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

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 upto date and in accordance with Indian Electricity Rules, 1956, Indian Electricity Act, 1910 as amended upto 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 to the satisfaction of the Engineer-in-Charge. The programme of electrical works are to be co-ordinated in accordance with the building work and no claim for idle labour will stipulated in the tender, electrical work shall have to be completed within 30 days of the completion of civil work.
6. All the debris of the electrical 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 upto 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. 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.
13. No Central/State sales tax/VAT/Contract tax/Excise duty 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.

14. 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.
15. 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.
16. 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.
17. 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.
18. Nothing extra shall be paid for :-
 - (a) Inter connections with thimbles/wires/tapes strips etc.

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

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 |
| 2. | Telephone Cables Co-exail TV cables | Delton/Kent/Finolex /Polycab |
| 3. | CAT-6 Cables for LAN wiring & Internet Cable | D-Link/Legrand /Finolex/Avaya/Lucent/ RR Kable. |
| 4. | MS Conduit i/c accessories (ISI marked) | AKG/BEC/NIC/Steelcraft / JPC Pipes/RMCON |
| 5. | DWC Pipe | REX/Duraline/Gemini pipe |
| 6. | Modular switch, socket/Telephone socket/cable TV socket/Data outlet Socket/Fan Regulator/Metal Boxes/ Occupancy sensor | Legrand-(Arteor)/ M.K.(Blenze)/ Crabtree/Anchor Woods/C&S |
| 7. | GI Pipe | Tata/Jindal (Hissar)/Prakash Surya/Swastik |
| 8. | Paints | ICI/Asian/Berger |
| 9. | Terminal Blocks and connectors | Elmex/Essen/Connect Well. |
| 10. | Compact air insulated rising main. | Legrand/Schneider/L&T/GE |
| 11. | MCB, MCBDB, RCBO's/RCCB's | Schneider Electric/Legrand/L&T Hagger Siemens/ABB/Anchor/C&S |
| 12. | MCCB/Timer | Schneider Electric/ Siemens/Larsen & Toubro/ Legrand/L&T Multiline/ Havells/ABB/C&S |
| 13. | SFU, FSU, HRC Fuses, cable management system/DLP Trunking | Schneider Electric/ Siemens/ Legrand/ L&T/ Havells/C&S |
| 14. | Ammeter/Voltmeter | AE/IMP/Rishabh/HPL (only digital type to be used) |
| 15. | Selector Switch/CT's | Kayee/Siemens/Bhartiya Cutler Hammer/L&T |
| 16. | Change over Switch | HPL/H-Elcon/Standard/L&T/Siemens/ Havells/C&S |
| 17. | Indicating Lamps | Teknic/Siemens/L&T/Vaishnov |
| 18. | Panel Board/Feeder Pillar | Manufacturers having ISO 9001 certification & CPRI approved |
| 19. | Energy Meter/Multifunctional/Intelligent Energy Meter. | HPL/L&T/Hensel/Anchor/Siemens. |
| 20. | 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/Orientp/Polar/Khaitan/ Ortem/ Usha |
| 21. | Fluorescent/CFL/LED/Flood/Bulk head Fitting | Phillips/GE/Wipro/Crompton/C&S |
| 22. | Lamps | GE/Osram/Phillips/Wipro/C&S |
| 23. | Wall Brackets | DECON/Phillips/GE/Havells |
| 24. | Angle Holder/Batten Holder (ISI marked) | Kinjal/Emperor/Anchor |
| 25. | Geyser | Racold/Crompton/Jaguar./AO Smith |
| 26. | NRV/Gate Valve | Sant/Leader/BS |
| 27. | XLPE insulated PVC sheathed aluminium cable upto 1.1 KV Gd | Polycab/Finolex//Nicco/KEI/Grandlay/ Gloster/Universal/Bonton/RR Kabel |
| 28. | PVC conduit i/c accessories | Precision/Asian/Diamond/Mod./AKG/JPC Pipes |
| 29. | Paino type Switches/Socket/TV / Telephone Outlet (ISI marked) | Anchor/Rider/Leader |
| 30. | UPS EQUIPMENTS, CABLES & RELATED ITEMS | Emerson /Schneider electric (APC)/ Numeric legrand , Consul Neowatt (fuji Electric) |
| 31. | BATTERIES | EXIDE/ / AMARARAJA/ QUANTA |

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Annexure - AA

| Technical Specification | |
|--|--|
| General Characteristics | Specification |
| UPS Rating Required | 30KVA (3Ph in /3Ph out) -Inbuilt Isolation Transformer at Inverter Output , Full Digital Signal Processing (DSP)Technologies with LCD Panel & Pure Sine Wave O/P with high frequency. UPS unit shall operate in double conversion mode; it shall be a VFI-type UPS (as per standard IEC 62040-3) with Inbuilt ISOLATION Transformer of same OEM make only. UPS should be with IGBT Based Rectifier & IGBT Based Inverter Technology. UPS should have minimum 60 minutes backup SMF Batteries Bank with Minimum VAH = 46800 VAH along with following features/specifications |
| Nominal Power kva @ 40 Deg C | 30KVA (3Ph/3Ph) |
| Tecnnology | True on line UPS Double Conversion VFI technology with advanced IGBT Based with Digital Signal Processor Controlled |
| Wave Form | Pure Sine Wave / Sinusoidal |
| Parallel Operation | Greater than 4 units in Parallel for Capacity or Redundancy |
| UPS Control Wiring (Internal) | Wiring should be CANBUS communication protocol |
| Architecture | Modular Construction |
| Input Section Characteristics | |
| Input voltage | 380/400/415 V (user selectable) 3 phase 4 wire + ground |
| Input frequency Range | 45 Hz – 60 Hz |
| input voltage range | 380 VAC-455 VAC At full load (at nominal input 400 V, +15% - 20%) |
| Efficiency | Min. 93% (AC to AC i.e Online Mode) and 98% (Eco Mode) without Isolation TX. |
| Output / Inverter Section Characteristics | |
| Output Voltage | 380 / 400 /415 Volts rms, adjustable via the user interface. 3 phase 4 wire + ground |
| Output Power Factor | Greater than 0.90 |
| Transient Response | (+/-5%) ,Recovery within one Cycle to 97% |
| Efficiency AC-AC | UPS efficiency up to > 93% |
| Output Frequency | 50 or 60 Hz (selectable), $\pm 0.05\%$ free running |
| Crest Factor | (3:1) |
| THDv | < 1% with linear load / < 6% with non-linear load |
| Output Voltage Tolerance | (+/-1%) |

| | |
|---|--|
| Overload capacity | 110% for 60 Min , 125% for 10Min. , 150% for 1Min ,> 150% -200ms |
| Efficiency in Eco mode | Upto 98% |
| Bypass | Static & Manual Maintenance bypass as standard |
| <u>Batteries</u> | |
| Battery Type | SMF -VRLA Battery |
| Type of Battery Supported by UPS | SMF ,Ni-Cd Battery , Lithium-ion -All type of battery Supported |
| Battery Total VAH | Not less than 46800VAH |
| Back up in Minute | 60 Minutes @ Full Load on UPS |
| Communication and Management | |
| LCD Display | Should be provided |
| Communication Ports | Should be provided |
| Audible Alarm | Should be provided |
| Emergency Power Off (EPO) | Should be provided |
| Remote Management Available | Should be provided |
| Battery Temperature Sensing | Should be provided |
| Physical characteristics | |
| Dimensions W x D x H (mm) | Not greater than 500 x 800 x 1350(mm) |
| General Specs | |
| Automatic restart | Automatic Restart Available Restoration of mains AC power, after a mains AC power outage and complete battery discharge, the UPS shall automatically restart and resume supplying power to the critical load and the battery charge shall automatically recharge the battery. |
| Operating Temperature (°C) | 0 to 40 (°C) |
| Relative humidity (%) | Upto 95% RH (Non Condensing) |
| IP Protection Class | IP Protection class -IEC-60529 / IP-20 |
| Inbuilt AC Capacitors Life | More Than -25 Years |
| Redundant Fans | Fan Redundancy should be Available |
| Air Conditioning for UPS | without Air Conditioning Requirement |
| DC Battery Breaker : | For safe maintenance on the battery of UPS unit, the system shall include a circuit breaker to isolate the battery from the corresponding rectifier /charger and inverter. When the battery is isolated from the system, the UPS shall continue to supply the load without interruption or disturbance, except in the event of a normal AC source outage. |
| Battery Rack & Links : | Racks Suitable for Mounting the All Batteries each Sheet Metal Type along with interconnection cables and 10 meter wire from UPS to battery bank. |
| Noise at 1 m (dBA) | Should be (Ref ISO -3746) <72dBA |
| Certification | Should be provided |

| | |
|----------------------------|--|
| Reference Standards | Safety -IEC 62040-1, Testing & Performance -IEC 62040-3 ,EMC/EMI -IEC -62040-2 ,Quality-ISO 9001: 2015 , EMS -14001 : 2004 , 45001: 2018 |
| Warranty | Should be Provided more than 3 Years on UPS & 3 Years on battery (onsite service Support) |

- **Vendor will be responsible to connect & configure Complete UPS System, Battery Bank, relevant Switchgears and all other accessories.**
- **All responsibility regarding warranty and other complaint of UPS will be of vendor. It is instructed to vendor for future make own arrangement for UPS component and reserved the stock to resolve the issues of 30KVA UPS within given period. No excuse are accepted at any conditions and penalty will deducted by security deposit by vendor.**
- **The contractor whose tender is accepted will also be required to furnish by way of security deposit for the fulfilment of his contract, an amount equal to 17.5% of the tendered value of the work. The security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The security amount will also be accepted in cash or in the shape of government securities. Fixed deposit receipt of a scheduled bank or state bank of India will also be accepted for this purpose provided confirmatory advice is enclosed.**
- **Release of Security deposit of the work shall not be refunded until the warranty period over without any type of complaints and dispute.**

SCOPE OF WORK

A SCOPE OF WORK

In general, the scope of works to be performed under this contract shall include but not limited to:

1. Design, engineering manufacture, inspection & testing at works, supply, transportation to site, , loading, unloading , storage, installation, testing ,commissioning and integrated commissioning of :

1 nos. UPS of 30KVA to be complete in all respects with Lead Acid SMF batteries to provide 60 minutes back-up at full load to feed UPS power to laboratory equipment, medical equipments , and computers etc. in different buildings/ blocks.

Designing, engineering, providing all materials, equipment and services specified or otherwise, which are required to fulfill the intent of ensuring operability, maintainability, completeness and reliability of the total work shall be in the scope of the bidder.

Any equipment, material, component, accessories which are not specifically mentioned in price bid and technical specifications, but necessary for satisfactory installation and trouble free operational and maintenance of the equipment / system adopting good engineering practice shall be in the scope of the bidder .

2. Providing complete design, engineering data, calculations, detailed drawings, schemes, commissioning procedure, O&M manuals, catalogue etc. for review/reference and records before procurement action/manufacture.
3. Supply, installation, testing & integrated commissioning of the complete system as per the approved drawings/documents.
4. All statutory approvals / license for the equipment(s) / system(s) shall be obtained by the contractor as needed including approval of relevant drawings from the electrical inspectorate of Govt. / competent authority & approval of the entire installation, after completion of work as per the approved drawings/documents.
5. Effective co-ordination with the other agencies (internal & external) to carry out the work smoothly.
6. Proper handing over of the installations in satisfactory working conditions alongwith required as built drawings, documents and items as specified in the tender.
7. All electrical equipment except battery shall be designed considering 40° C as ambient temperature.

8. Supply of commissioning spares, special tools, test equipment.
9. Providing training to AIIMS Rishikesh personnel for operation & maintenance
10. Providing complete set of final drawings & documents (2 sets of hard copy & 1 soft copy)

B. System Description

The system should consist of the following major components

1. Solid-state static PWM converters utilizing IGBT.
2. Solid state static PWM Inverters utilizing IGBT
3. Sealed high rate discharge maintenance free valve regulated lead acid battery bank (VRLA) with 30 Min Back up time.
4. Converter input, bypass input and system battery breaker/ contactor, inverter output breaker/ contactor and static bypass switch with primary contractor, converter input and system input fuses etc.
5. Maintenance bypass utilizing wrap around contactor

C. Modes of Operation: The system should be designed to operate continuously at rated capacity

1. **Normal Operation:** The inverter shall continuously supply stable AC power to the critical load. The converter should be able to feed power to a fully loaded inverter as well as recharging the system with fully discharged battery simultaneously if required.
2. **Battery Operation:** In the event of commercial AC failure, the inverter shall derive the input from the system battery without any break.
3. **Recovery charge:** Subsequent to restoration of commercial AC. Power and prior to the system battery final voltage, the converter shall automatically re-activate and provides DC power to the inverter, simultaneously recharging the battery system without any interruption.
4. **Bypass supply:** In the event of inverter failure, the critical load shall be transferred to the bypass source via the static switch without interruption of power to the critical load provided. Manual re-transfer arrangement shall be made in the system to transfer the load from bypass to inverter without any break after attending the fault in the system.
5. **Maintenance bypass operation (Super bypass):** In case of maintenance or repair has to be performed on the UPS, load shall be powered from bypass source through maintenance by pass switch. The power shall be transferred from inverter to normal bypass and maintenance bypass or vice versa without interruption by manual operation. After transferring the load to maintenance bypass, system shall be free from all aspects i.e. switching OFF, switching ON, attending faults etc.

D . Terms and conditions

Note:- Quantity of UPS may increase or decrease.

1. Input cabling method for both the top or bottom provisions must be available. All electrical wiring cables must be FRLS type (Fire Retardant Low Smoke).
2. A digital display unit should be showing at-least the following parameters: input voltage, output voltage, frequency, battery status, current, logs with date and time stamps.
3. The vendor must have a service network, consisting of well qualified service personnel to perform start-up, preventative maintenance, and service of the UPS system and power equipment. The vendor must offer 24x7 service support in Rishikesh . the service engineer must be available at site within 24 hrs of logging the report/ complain.
4. Original replacement parts must be available through the OEM. AIIMS Rishikesh will not allow any component level repairs in the UPS system inside the UPS room.
5. The comprehensive onsite warranty must be offered directly by the OEM.
6. The vendor must provide the onsite operation training to the AIIMS rishikesh staff
7. The vendor must provide all installation and operational manuals, in hard & soft copy.
8. **Testing / Inspection at manufacturer's works.**
 - a) Following testing / inspection shall be carried out on completely assembled UPS system at manufacturer's works in presence of Department representatives prior to dispatch.
 - Verification of inventories / components as per work order specifications.
 - Insulation withstand voltage tests.
 - Overload and inrush current tests.
 - Measurement of steady state operating parameters at no load and full load.
 - Measurement of transient response parameters for load changes by load step test.
 - Measurement of individual and total harmonics in output and load variations.
 - Voltage regulation testes due to input voltage and load variations.
 - Efficiency at 25%, 50%, 75% and 100% load.
 - Operational check for automatic / manual transfer for different transfer modes and manual transfer modes with storage oscilloscopic having print out facility.
 - Verification of various protection alarm and indications etc. by circuit simulation.
 - Temperature rise test for 12 hours duration.
 - Vendor shall submit all type test certificates certified by Govt agency like CPRI, NTH, NPL and calibration certificate.
 - Any other routine test not covered above but required as per relevant IS/ IEC/EN standards.
 - b) Vendor will arrange all necessary facilities, testing instruments etc. at manufacturer's works for the above purpose.

9. Commissioning Tests at site after installation.

Following Commissioning tests shall be carried out at site after installation in presence of Department representatives.

- Insulation resistance tests including high voltage insulation withstand test.
 - Earthing of all non-current carrying metallic parts and accessories.
 - Verification of all components as per work order specification.
 - Operational checks for UPS systems with accessories as per work order specification without load and with load in circuit.
 - Verification of various protection alarm and indications etc. by circuit simulation.
 - Performance of entire UPS sets with actual available load in circuit.
 - Any other test not indicated above but required as per relevant IEC/EN standards.
- b) Agency shall arrange testing instruments etc. at site for testing of UPS at site as stated above.

Note: - 1 Whatever tests are to be carried out at works or site for this AIIMS Rishikesh will not bear any extra cost.

2. Whatever tools and tackles , experts required for testing purpose at works or site will be in scope of vendor. Nothing extra shall be payable by AIIMS Rishikesh

10. Vendor shall be responsible for safety of all their personal at site during erection, testing etc. at all times till completion of works
11. Vendor shall furnish full details of UPS system including overall dimension details of UPS/Battery bank; make of UPS/ battery bank / accessories; literature of UPS & battery bank, Battery calculations etc. along with their offer.
12. Vendor shall furnish all test certificates along with delivery of UPS system.
- 13 The proposed UPS must be configured and capable enough to cater to the load assuming all the proposed components are running at peak capacity.
- 14 UPS must be housed within the proposed room with enough working space as per industry standards, the UPS, its corresponding Battery Banks, Power Panels, will be housed in a separate adjacent partitioned space. Vendor is requested to inspect the site before designing and quoting the rates.
- 15 The vendor should consider the following points:
- a. **Vendor will supply & install two laminated instruction sheets, SOP in UPS room indicating basic operational details of UPS system including safety precautions.**
 - b. For on-site survey, the vendor may visit AIIMS Rishikesh, only on any of the working days (Monday to Friday),

- c. At the time of installation and commissioning of the configuration, if it is found that some additional hardware, accessories and/or items are required to complete the entire configuration and to meet the operational test performance requirement, but which are not included in vendor's original list of deliverables, is required to be supplied by the vendor at NO EXTRA COST TO AIIMS Rishkesh , to ensure the completeness of the configuration solution. Vendor should ensure completeness of the list of deliverables in the offer to avoid such discovery during installation, in consultation with respective OEMs.
- k. Vendor and its OEM will arrange for giving onsite technical training for operations, and day to day troubleshooting shall be covered in the training. The training should be given by OEM experts in their respective fields.

Vendor has to provide the technical support with contact no. and email id.

16. TECHNICAL SPECIFICATIONS AND STANDARDS:

The specification defines the requirements for a continuous duty; highly reliable, latest and state of art technology; solid state type microprocessor based true on-line double conversion Uninterruptible Power Supply System. The UPS shall provide high quality AC power to sensitive electronic equipment, Medical equipment, computers , any devices etc.

The UPS system and components shall comply in all respects with the requirements of the latest editions of the relevant codes and Indian Standards./International Standards . The UPS system shall conform to the latest issue of relevant applicable International standards/IEC standard /Indian standards for design, manufacturing, safety, inspection and installation.

The system shall also conform/comply to the provision of Indian electricity rules and other statutory regulations in force time to time and IEEE requirements for UPS and battery design.

17. INSPECTION OF SITE :

The bidder to inspect and examine the site and its surrounding and shall satisfy as to the nature of the ground and sub soil, the quantities and nature of work, materials necessary for completion of the work and their availability, means of access to site and in general to obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect his offer. No extra claim consequent on any misunderstanding or otherwise shall be allowed.

18. PRICE :

- Price shall be inclusive of all taxes & duties whatsoever, excise duty, sales tax, CST/VAT, GST service tax, octroi (if any), work contract tax, commissioning spares, labour, tools & plants, packing, freight/ transportation & insurance up to the site, loading, unloading, fee (s) for testing, license, inspection, documents, etc, where applicable.

- AIIMS Rishikesh does not give any confessional forms/ certificates/ permits towards any taxes, duties & other levies like sales tax, customs duty, road taxes/ permits, etc.
- Prices shall be firm throughout the contract period.

19 MAKES

- In general make of various items shall be as per the list enclosed. Wherever makes have not been indicated in the list, the items shall be of ISI marked subject to approval by AIIMS Rishikesh Engineer in Charge .
- Sample of the items or makes or the items for manufacture/ supply/ use in the work irrespective of appearing in the approved list shall be got approved from Engineer- in-charge before incorporation.

20 NEW MATERIALS:

All equipment, materials used in the work shall be brand new and free from manufacturing defects.

21. REPLACEMENT OF DEFECTIVE/ DAMAGED ITEMS

All defective/damaged items shall be replaced with the good ones without any extra cost as per guarantee clause.

22. TOOLS & TACKLES:

- All the required special tools & tackles for executing this work shall be in the scope of the vendor

23. MAN POWER:

- Authorized, experienced, competent work force shall be deployed with competent supervision.
- They should possess requisite qualifications/ valid permits/ license/ competency certificates to work on LT Electrical Installations.
- The Electrical Engineer shall have minimum qualification of degree in electrical engineering. Where as Electrical Supervisor shall have minimum qualification of diploma in electrical engineering and technicians shall have minimum ITI.

24 QUALITY OF WORK & WORKMANSHIP:

The quality of work, workmanship, finishing etc should be satisfactory to the AIIMS Rishikesh.

25 PRIOR APPROVAL FOR DISPATCH SCHEDULE:

Dispatch schedules are to be informed and got approved by the vendor from Engineer in charge, before dispatch of materials.(2 persons)

26 TESTING AND INSPECTION:

- All equipment/systems to be supplied shall conform to type tests as per the relevant standards. The bidder shall furnish the reports of all the type tests carried out within five

years of date of bid opening. These reports should be for the tests conducted on identical/similar components/equipment/systems to those offered /proposed to be supplied under this contract. In case bidder is not able to submit report of type test conducted in last five years or in case type test reports are not found to be meeting the specifications/relevant standard requirement then all such tests shall be conducted under this contract by the contractor free of cost to owner and reports shall be submitted for approval.

-All acceptance and routine tests as per relevant standards and specifications shall be carried out. Charges for all the tests shall be deemed to be included in the bid price. Routine test/acceptance test shall be carried out in the presence of the inspecting officer from AIIMS Rishikesh .

- All major items listed in list of approved makes for electrical items shall be factory inspected. The decision to inspect/waive shall rest with the AIIMS Rishikesh .The list of approved makes enclosed is indicative, AIIMS Rishikesh . can add/delete/modify the same in the interest of organization/work from time to time considering cost, quantity, significance, completion schedules etc.

At least 15 days advance notice to be given for factory inspection. While inspection call is given, the actual status and details of test to be offered shall be communicated. Relevant applicable Indian standards & International standards shall be made available.

If any equipment/material fails in the tests conducted during factory inspection, necessary rework/replacement shall be done and equipment shall be re-offered for inspection without any cost to owner..

27 PACKING/ TRANSPORTATION/ HANDLING :

- Professional packing shall be made. Equipment/ materials are to be properly packed with appropriate packing materials & means. Special care shall be taken for fragile items. Item description, qty, code, instructions etc to be marked for easy identification etc. The equipment/ materials have to be transported by appropriate transport mode like Road/ Rail/ Air transport etc. up to the site/ destination.
- Due care to be taken for loading, handling, unloading, shifting, lifting, jacking etc by suitable means like Cranes, Fork lifts, Chain pulley blocks, mechanized means etc. and experienced man power.
- Relevant documents shall be accompanied with the items.

28 DRAWING & DOCUMENTATION TO BE SUBMITTED BY SUCCESSFUL BIDDER AFTER AWARD OF CONTRACT:

Following information and documentations in addition to what has been asked for in respective equipment specification shall be furnished by the successful bidder after award of contract for approval/reference/record of the purchaser.

- Electrical layout drawing showing location of equipment, cable routing, etc.
- Single Line Diagram showing rating of components, metering, Earthing layout showing connections to equipment, structure etc.
- Write-up on control philosophy for complete system containing starting & stopping sequence, interlocks, metering, annunciation etc.
- Drawings of all electrical equipment under the scope.
- All required drawings/documents/technical information required during various stages of works shall be submitted as and when required by the purchaser.

All drawings submitted shall provide sufficient detail indicating type, size, general arrangement & foundation drawing, weight, the external connections, fixing arrangement required, the dimensions required for installation and interconnections with other equipment and materials, clearances and space required between various portions of equipment and any other information specifically requested.

- All the above document shall be furnished in 3 sets to AIIMS Rishikesh .for review. One set shall be returned with comments / approval. The document shall be modified incorporating the comments given by AIIMS Rishikesh and 3 sets of corrected documents shall be submitted by contractor within 10 days time.

29 **TOOLS & TACKLES:**

Wherever special tools & tackles are required for operation & maintenance of units/systems, the contractor supplying the equipment shall provide the same free of cost.

30 **STATUTORY LAWS/RULES/APPROVALS/LICENSE:**

The contractor/agency shall abide by the relevant statutory rules, laws, and guidelines and arrange for the approvals, if any required. That include adhering to labour laws, abiding local electricity rules etc.

Where ever formal approvals/ license are essential like CEA approval, clearance by the Electrical inspectorate etc,. the same shall be arranged by the bidder

31 **FEES FOR TESTING/CALIBRATION/APPROVALS/LICENSE:**

Unless otherwise specified, the fees/charges involved for this purpose shall be borne by the bidder.

32 **SITE TESTS/ PERFORMANCE TESTS:**

Necessary site tests/ performance tests shall be conducted on the equipment to ascertain the functional / design/ site requirements. Reports shall be prepared recording the various values, parameters, observations, settings made etc. In case of unsatisfactory results, the same shall be replaced/ rectified as per the requirement without any extra cost.

33 **HANDING OVER/ CERTIFIED DATE OF COMPLETION:**

Up on the satisfactory commissioning of the entire system, the system shall be observed for 15 days. After this satisfactory trial period, the work shall be handed over officially and completion date recorded by Engineer-in- charge with all the prescribed formalities for handing over.

This date shall be reckoned, as the certified date of completion and the defects liability period shall commence from this date.

Until the handing over of the installation, the responsibility lies with the vendor for safety, upkeep etc.

34 TRAINING/ FAMILIARIZATION ABOUT OPERATION & MAINTENANCE

The contractor to AIIMS Rishikesh staff shall give training / familiarization regarding operation & maintenance of the equipment /system at site.

35. COMPLETION PLANS

On completion of work 3 sets of following as built drawings/documents.to be submitted

- General Arrangements, Layout drawings with dimensions, plans, sections etc
- Single Line diagrams
- Control & Schematic Diagrams.
- Bill of Quantities indicating makes, Technical specs, quantity etc.
- Data Sheets, Calculations
- Control logic (where applicable)
- Details of Inventory
- Equipment name plate details
- Instruction / Maintenance Manuals
- Test Certificates (Factory Tests, sites Test)
- Guarantee/ warranty Certificates (where applicable)
- Other documents/ drawings as per the instructions of Engineer-in- Charge.
- Keys, operating handles, tools etc as applicable

36 DEFECTS LIABILITY PERIOD:

Defects liability period shall be 12 months from the certified date of satisfactory completion & handing over of entire work to Engineer-in-charge of work.

During this period, the contractor shall hold himself responsible for reinstallation or replace with good ones free of cost to the AIIMS Rishikesh . in respect of any defective item/material/equipment/component supplied and installed by the contractor. Contractor shall bear all the cost involved for supply, transportation and installation etc. of such items.

Note : 1). Items which are not covered in the above list shall be supplied subject to approval of make by AIIMS rishikesh (before procurement).

Schedule

| S.no | Item Description | Unit | Quantity | Rate | Amount |
|--|---|-------|----------|------|--------|
| 1 | Supply ,installation testing & commissioning 30 KVA online 3Ph in 3Ph out UPS Specification and terms and conditions attached in tender document as Annexure - AA | Nos | 1 | | |
| 2 | Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required and as directed by Engineering in-charge. 100 A, 16 KA,TPMCCB | Nos | 1 | | |
| 3 | Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required and as directed by Engineering in-charge. 63 A, 16 KA,TPMCCB | Nos | 1 | | |
| 4 | Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required and as directed by Engineering in-charge. 4 X 16 sq. mm + 2 X 6 sq. mm earth wire | Meter | 20 | | |
| 5 | Supply & installation MCCB enclosures For 100 Amp.TPN MCCB | Nos | 1 | | |
| 6 | Supply & installation MCCB enclosures For 63 Amp.TPN MCCB | Nos | 1 | | |
| Total Amount Rs. (Inclusive all taxes) | | | | | |