

TENDER

FOR

“Upgradation of Neurosurgery CCU at AIIMS Rishikesh

SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works”

Tender No.: 02/EE/AC&R/2024-25



All India Institute of Medical Sciences Rishikesh 249202 Uttarakhand India.

Office of Superintending Engineer, AIIMS Rishikesh.

Email: - eeacr@aiimsrishikesh.edu.in

Index of Tender Document

S. No.	Description	Pages
1	Information & Instruction for Contractor	3-5
2	Notice Inviting e-Tender	6-8
3	Tender (CPWD-8)	9-10
4	Schedules A to F	11-14
5	Amendment in general conditions of contractor (GCC) construction works -2023	15-17
6	Form - X	18
7	Form - Y	19
8	Form - Z	20
9	Offer forwarding letter/tender submission letter	21
10	Terms and conditions	22-24
11	Form of Earnest Money Deposit	25
12	Additional conditions of contracts	26-29
13	Tender form (Annexure 1 to 7)	30-36
14	Check list	37
15	Other terms & Conditions	38-39
16	List of preferred makes	40-43
17	Financial Bid (Schedule of Quantity)	44-60

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF NIT AND TO BE UPLOADED ON WEBSITE

The Executive Engineer (AC&R), AIIMS Rishikesh on behalf of Executive director, AIIMS Rishikesh invites item rate e-tenders two bid system (eligibility criteria + price bid) from eligible Specialized agency having experience of similar works for **“Upgradation of Neurosurgery CCU at AIIMS Rishikesh SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works”**

S. no	NIT No.	Name of work & Location	Tender Fees	Estimated cost put to bid (Rs.)	Earnest Money	Period of Completion	Tender filling start date.	Date & time of Pre Bid Meeting	Last date & time of submission of bid, copy of receipt of deposition of original EMD, and other document as specified in the NIT	Time & date of opening of technical bid
1	2	3	4	5	6	7	8	9	10	11
1	02/EE/AC&R/2024-25	“Upgradation of Neurosurgery CCU at AIIMS Rishikesh SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works”	Nil	1,08,81,024 /-	5,44,05 1.00	90 days	10.06.2024	At 03:00 PM on 25.06.2024	Up to 03:00 PM on 01.07.2024	Up to 03:00 PM on 02.07.2024

- Last date of physical submission of EMD is not applicable for the bidder who deposited EMD online in the Institute account. Bidder may deposit EMD in the following account number of the Institute: -
Account Number: 6189000100021125
Bank Name: Punjab National Bank
Branch Name: Barrage const. Div., Pashulok, Rishikesh (Dehradun)
IFSC Code: PUNB0618900
- The intending bidder must read the terms and conditions of CPWD-6 form carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- This 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 deposition of original EMD in the office of Executive Engineer (AC&R) within the period of bid submission and uploading receipt for deposition of original EMD in the office of Executive Engineer and other documents as specified.
- Those contractors are 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.

8. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
9. All the bidder(s) should upload eligibility documents in the form of PDF only.
10. Contractor must ensure to quote rate in the prescribed columns meant for quoting rate in figures.

However, if a bidder quotes nil rates against each item in item rate tender, the tender shall be treated as invalid and will not be considered as lowest bidder.

11. The contractor should quote the rate of item including GST as per statutory rules.
12. (i) The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table by Demand Draft/Fixed Deposit/Term Deposit in favor of "AIIMS, Rishikesh" drawn on any Nationalized Bank/ Scheduled Bank and payable at AIIMS Rishikesh and must be valid for 135 days from last date of submission of Bid (Bid validity period – 90 days + 45 days beyond bid validity period). The EMD shall be scanned or uploaded to the CPP Portal website within period of bid submission. The original EMD should be deposited in the office of EXECUTIVE ENGINEER (AC&R) within due date mentioned in the NIT. EMD receiving authority shall issue receipt of deposition to the bidder in prescribed format. Bid received without Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage.
(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.

Note: - The bidder seeking EMD Exemption must submit the valid supporting document for the relevant category as per tender document. Under MSE category, only manufacturers for goods and service providers for services are eligible for exemption from EMD. Traders are excluded from the purview of this policy.

13. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract with successful bidder
14. The successful bidders have 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 performance security plus security deposit @ 10% of contract value in the form of Fixed Deposit/Bank Guarantee/Term Deposit from any Nationalized/Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only and must remain valid for a period of 6 (Six) months beyond the date of completion of all contractual obligations of the contractor, including Defect Liability Period (DLP). 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 automatically without any notice to contractor and award of tender in Contractor favour automatically stands terminated at his cost & liability, unless time extension has been granted by AIIMS, Rishikesh. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licensee / registration etc.
15. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 90 (Ninety) days from the date of opening of technical bid 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 AIIMS 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.

- 16. List of self-attested Documents to be scanned and uploaded on the CPP portal linked with the particular tender within the period of bid submission failing which the bid of the tenderer shall be rejected.**
 - I. Demand Draft/ Fixed Deposit Receipt /Copy of deposit of EMD in the institute account / Bank guarantee of any scheduled bank against EMD.**
 - II. Copy of receipt for deposition of original EMD in the office EE (AC&R).**
 - III. Certificate of work experience along with copies of Contract Agreement/Purchase Order/Work Order and its completion certificate (As specified in Clause 1.2.1 of CPWD-6). Copy of TDS/26AS certificate is required in case the work is executed in private sector.**
 - IV. Average Annual Financial Turnover of the bidders during the last three years ending 31st March of the previous financial year should be at least 30% of the estimated cost, duly audited and certified by the chartered Accountant having UDIN number.**
 - V. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the chartered accountant having UDIN number.**
 - VI. Signed with company seal on each pages of NIT (& its corrigendum if any) and documents uploaded with bid.**
 - VII. Certificate of Registration for GST**
 - VIII. Copy of PAN Card**
 - IX. For Civil works: Bidder shall be enlisted contractor in the appropriate classes and category in CPWD / MES / any state government PWD (OR) bidder shall associate with any CPWD / MES / any state government PWD enlisted contractor of appropriate class for execution of Civil works.**
 - X. Original consent letter of associated agencies in FORM-X and FORM-Z shall also be enclosed in the prescribed format. MOU shall be signed with the associated agency as per FORM-Y in shape of affidavit on non-Judicial stamp paper of minimum Rs. 100/- duly attested by notary in original within 7 (Seven) Days) and shall be submitted after award of work.**
- 17. Only Authorised signatory will be permitted to sign any type of documents.**
- 18. The soft copies of documents uploaded by contractors on CPP Portal.**
- 19. If uploaded scanned documents/tender form are not downloaded successfully, due to any technical error/corrupt files then AIIMS Rishikesh will not be liable.**

Note: Offer without copies of the above-mentioned documents shall be liable for summary rejection.

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

Item rate bids are invited on behalf of Executive director, AIIMS Rishikesh invites item rate e-tenders two bid system (eligibility criteria + price bid) from eligible Specialized agency having experience of similar works i.e. **Supply, Installation, Testing, commissioning of HVAC work for “Upgradation of Neurosurgery CCU at AIIMS Rishikesh SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works”**

- 1.**
- 1.1. The work is estimated to Cost Rs. 1,08,81,024/-. 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. 43,52,410/-** or two similar work each of value not less than **Rs. 65,28,615/-** or one similar work of value not less than **Rs. 87,04,820 /-** in last 7 years ending last day of the month previous to the one in which the tenders are invited.

Similar works means “Supply, Installation, Testing, commissioning of HVAC work (AHU, Ducting & insulation, piping & insulation, electrical)”.

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.

- I. Demand Draft/ Fixed Deposit Receipt /Copy of deposit of EMD in the institute account / Bank guarantee of any scheduled bank against EMD.**
- II. Copy of receipt for deposition of original EMD in the office EE (AC&R).**
- III. Certificate of work experience along with copies of Contract Agreement/Purchase Order/Work Order and its completion certificate (As specified in Clause 1.2.1 of CPWD-6). Copy of TDS/26AS certificate is required in case the work is executed in private sector.**
- IV. Average Annual Financial Turnover of the bidders during the last three years ending 31st March of the previous financial year should be at least 30% of the estimated cost, duly audited and certified by the chartered Accountant having UDIN number.**
- V. The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the chartered accounted having UDIN number.**
- VI. Signed with company seal on each pages of NIT (& its corrigendum if any) and documents uploaded with bid.**
- VII. Certificate of Registration for GST**
- VIII. Copy of PAN Card**
- IX. For Civil works: Bidder shall be enlisted contractor in the appropriate classes and category in CPWD / MES / any state government PWD (OR) bidder shall associate with any CPWD / MES / any state government PWD enlisted contractor of appropriate class for execution of Civil works.**
- X. Original consent letter of associated agencies in FORM-X and FORM-Z shall also be enclosed in the prescribed format. MOU shall be signed with the associated agency as per FORM-Y in shape of affidavit on non-Judicial stamp paper of minimum Rs. 100/- duly**

attested by notary in original within 7 (Seven) Days) and shall be submitted after award of work.

2. An Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 8 **(or other standard Form as mentioned)** 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 90 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 tender documents.**
4. The site for the work is available.
5. The bid 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>.**
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. Earnest Money in the form of Demand Draft/Fixed Deposit/Term Deposit (drawn in favour of AIIMS Rishikesh shall be scanned and uploaded to the e-tendering website within the period of tender submission. The original EMD should be deposited either in the office of Executive Engineer or inviting bids. The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited (as per the latest guidelines of Ministry of finance and department of expenditure) and other documents scanned and uploaded are found in order. EMD must be valid for 135 days from last date of submission of Bid (Bid validity period – 90 days + 45 days beyond bid validity period).
9. The Bid submitted shall become invalid and e-Tender Processing Fee shall not be refunded if:
 - (i) The bidders are found ineligible.
 - (ii) The bidders do not upload scanned copies of all the documents (including GST) as stipulated in the bid document.
 - (iii) 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.
 - (iv) If a tender quotes nil rates against each items in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/ sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. The contractor whose bid is accepted will be required to furnish performance security plus security deposit @ 10% (Ten Percent) of the bid amount within the period specified in Schedule F and must remain valid for a period of 6 (six) months beyond the date of completion of all contractual obligations of the contractor, including Defect Liability Period (DLP). 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 (as per the latest guidelines of ministry of finance and department of expenditure) by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money

deposited along with the bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registration or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in schedule F.

- 11.** Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
- 12.** The competent authority on behalf of the Executive director of AIIMS Rishikesh 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.
- 13.** Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 14.** The competent authority on behalf of the Executive Director of AIIMS Rishikesh 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.
- 15.** The contractor shall not be permitted to tender for works in AIIMS Rishikesh in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer, Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in AIIMS Rishikesh. Any breach of this condition by the contractor would render him liable to reject his Bid submitted by him.
- 16.** No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as previously mentioned 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 90 (Ninety) days from the date of opening of technical bid.
- 18.** This notice inviting Bid shall form a part of the contract document. The successful bidders /contractor, on acceptance of his tender by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
 - (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 8 or other Standard C.P.W.D. Form as applicable.
 - (c) C.P.W.D General Condition of Contract (Construction work) -2023 with updated amendment (s) if any.
- 19.** In case the bidder withdraw tender or make any modification in the terms & condition of the Tender which is not acceptable to the department. On view of earnest money non-deposit following bid security declaration, the contractor shall be suspended for two years and shall not be eligible to bid for AIIMS, Rishikesh tenders from date of issue of suspension order.

**GOVERNMENT OF INDIA
AIIMS Rishikesh**

Percentage Rate Tender /Item Rate & Contract for Works

Tender for the work of: - **"Upgradation of Neurosurgery CCU at AIIMS Rishikesh
SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works"**

- (i) Last date to be uploaded by 15:00 Hours on 01.07.2024 at <https://eprocure.gov.in>.
- (ii) To be opened in presence of tenderers who may be present at 15:00 Hours on 02.07.2024 in SE office, AIIMS Rishikesh.

TENDER

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

I/We hereby tender for the execution of the work specified for the Executive director of AIIMS within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

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

A sum of **Rs 5,44,051.00** is hereby forwarded in cash/receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/ bank guarantee issued by a scheduled bank as earnest money.

A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said Executive director of AIIMS Rishikesh or his successors, in office shall without prejudice to any other right or remedy to take action, Further, if I/We fail to commence work as specified, I/We agree that Executive director of AIIMS Rishikesh or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the performance guarantee absolutely. The said performance guarantee shall be a 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 Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I / we shall be debarred for tendering in 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.

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

Dated: -.....

Signature of Contractor: -
Postal Address: -

Witness: -
Address: -
Occupation: -

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the Executive director, AIIMS Rishikesh for a sum of Rs.
.....(Rupees.....
.....).

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

- (a)
- (b)
- (c)

For & on behalf of Executive director
Signature

अनुसूचियां SCHEDULES
[FOR MAJOR COMPONENT]

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

Schedule of quantities (Enclosed)

Page No. – 44 to 60

अनुसूची 'ख' **SCHEDULE 'B'**

ढेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची

Schedule of materials to be issued to the contractor.

Nil

अनुसूची 'ग' **SCHEDULE 'C'**

ढेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

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

अनुसूची 'घ' **SCHEDULE 'D'**

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

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

Addl. Specifications attached.

अनुसूची (ङ) **SCHEDULE 'E'**

ढेके की सामान्य शर्तों का संदर्भ

Reference to General Conditions of contract

General conditions of contract for CPWD works 2023 (Construction work) as amended upto date and special conditions attached herewith the tender document except clause-25.

Name of work:

:-

“Upgradation of Neurosurgery CCU at AIIMS
Rishikesh SH: - Supply Installation, Testing &
Commissioning of Civil, HVAC and Electrical works”

कार्य की अनुमानित लागत	:-	
Estimated cost of work		1,08,81,024 /-
(i) धरोहर राशि Earnest money	:-	5,44,051.00
(ii) निष्पादन गारंटी Performance guarantee plus Security Deposit	:-	10% of tendered value. निविदित मूल्य का 3 प्रतिशत

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions:

CPWD General specification for Civil, HVAC & Electrical including latest amendments

निविदा आमंत्रण करने वाला प्राधिकारी
Officer inviting tender –

EE (AC&R), AIIMS Rishikesh

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

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

50%

Definitions:

2(v) भारसाधक इंजीनियर

Engineer-in-Charge

SE, AIIMS Rishikesh

2(viii) स्वीकार कर्ता प्राधिकारी

Accepting Authority

Executive Director, AIIMS Rishikesh

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

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

15% (Fifteen per cent)

2(xi) Standard Schedule of Rates:

Market rates & DSR 2022 (E&M)/2023 (C)

2(xii) Department:

AIIMS Rishikesh

9(ii) Standard CPWD contract Form:

GCC Construction work 2023, CPWD Form 8 modified & Corrected up to Correction slip received on the date of receipt of tender.

खण्ड Clause 1

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

i) Time allowed for submission of Performance Guarantee, and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance

15 days

(उपर्युक्त i) में दी गई अवधि के पश्चात् अधिकतम अनुमेय एक्सटेंशन

ii) 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

SE, 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
Mile stone(s) as per table given below:

N.A

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

90 days

Authority to decide

- | | | |
|-------|--|----------------------------|
| (i) | Extension of Time | SE, AIIMS Rishikesh |
| (ii) | Rescheduling of mile stones | N.A |
| (iii) | Shifting of date of start in case of delay in handing over of site | SE, AIIMS Rishikesh |

खण्ड Clause 6

Clause applicable-(6)

Applicable

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

Rs. 25 Lakhs

खण्ड 10 d Clause10A

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 Clause10B(ii)

क्या खण्ड 10 ख ;पपद्ध लागू होगा
Whether clause 10B (ii) shall be applicable

N.A.

खण्ड Clause10C

Component of labour expressed as Percent of value of work

N.A

खण्ड Clause 10CC - NOT APPLICABLE.

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

Clause 10CC to be applicable in
with stipulated period of compensation

DELETED

exceeding the period shown in next column

: Months

खण्ड Clause 11

कार्य निष्पादन के लिए अनुपालन
Specifications to be followed for execution of work

CPWD General specification for Civil, HVAC and Electrical with up to amendment received on the date of receipt of tender.

खण्ड Clause 12

Type of Work		Construction
12.2 & 12.3	विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 भवन निर्माण कार्य के लिए लागू होंगे Deviation limit beyond which clauses 12.2 & 12.3 shall apply for this works.	50%
12.5	(i) Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except earth work)	50%
	(ii) Deviation limit for item in earth work subhead of DSR or related items)	100%

खण्ड Clause 16

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

SE, AIIMS Rishikesh

खण्ड Clause 18

कार्यस्थल पर टेकेदार 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.

To be Arrange by contractor

खण्ड Clause 25

Modified as attached at page no.15-17

खण्ड Clause 31

Whether clause 31 shall be applicable **Yes**

खण्ड Clause 32

Cost of work (Rs in Crores)	Requirement of Technical staff		Minimum experience (Years)	Designation Technical staff	Rate at which be made from the contractor in the event of not fulfilling
	Qualification	Number			
More than 15 lac to 1.5 Crore	Graduate Engineer or Diploma Engineer	1	2 or 5 respectively	Project Manager cum planning/ quality/Site/billing Engineer	Rs. 15,000/- per month per person

Sub: - Amendment in general conditions of contractor (GCC) construction works -2023
The following provision of GCC-2023 is modified as under

Existing Provision	Modified Provision
<p>Clause 25 Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination ,completion or abandonment thereof shall be dealt with as mentioned hereinafter:</p> <p>(i) If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge or if the Engineer in Charge considers any act or decision of the contractor on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable and is disputed, such party shall promptly within 15 days of the arising of the disputes request the Chief Engineer/ CPM, or where there is no Chief Engineer/CPM, the Additional Executive director General/Special Executive director General (CE/ADG/SDG) who shall refer the disputes to Dispute Redressal Committee (DRC) within 15 days along with a list of disputes with amounts claimed if any in respect of each such dispute. The Dispute Redressal Committee (DRC) give its decision within a period of 60 days extendable by 30 days by consent of both the parties from the receipt of reference from CE/CPM/ADG/SDG. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in Schedule 'F'. Provided that no party shall be represented before the Dispute Redressal Committee by an advocate/legal counsel etc.</p> <p>The DRC will submit its decision to the concerned ADG/SDG for acceptance. ADG/SDG in a time limit of 30 days from receipt of DRC decision will convey acceptance or otherwise on the said decision if the Dispute Redressal Committee (DRC) fails to give its decision within the aforesaid period or the ADG/SDG fails to give his acceptance in the</p>	<p>Arbitration & Reconciliation</p> <p>a) In case amicable settlement is not reached in the event of any dispute of difference arising out of the execution of the contract or the respective rights and liabilities of the parties or in relation to interpretation of any provision by the contractor in any manner touching upon the contract, such dispute or difference shall (except as to any matters, the decision of which is specifically provided for therein) be referred to the sole arbitration of the arbitrator appointed by AIIMS.</p> <p>b) The award of the Arbitrator shall be binding upon the parties to the dispute.</p> <p>c) Subject as aforesaid, the provisions of Arbitration and Reconciliation Act 1996 (India) or statutory modifications or re enactments thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. The venue of the arbitration shall be held at Rishikesh and the language of the proceedings shall be in English. Subject to the above, the Courts at Rishikesh alone shall have the jurisdiction to deal any disputes between the Parties pertaining to the contract.</p> <p>d) The cost of arbitration shall be borne equally by both the parties.</p> <p>e) Work under the contract shall be continued during the arbitration proceedings.</p> <p>f) Failure to comply with any of the above conditions can result in termination of the</p> <p>Contract, forfeiture of the security deposit, penalty as may be decided by AIIMS and future blacklisting of the contractor.</p>

aforesaid time limit or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC) ADG/ SDG then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), ADG/SDG or on expiry of aforesaid the time limits available to DRC/ ADG/SDG may give notice to the Chief Engineer/CPM, CPWD, in charge of the work or if there be no Chief Engineer/ CPM, the Additional Executive director General /Special Executive director General of the concerned region of CPWD or if there be no Additional Executive director General/ Special Executive director General, the Executive director General, CPWD for appointment of arbitrator one prescribed proforma as per Appendix XVII under intimation to the other party. It is a term of contract that each party invoking arbitration must exhaust the aforesaid mechanism of settlement of claims/disputes prior to invoking arbitration.

The CE/CPM/ADG/ SDG shall in such case appoint the sole arbitrator or one of the three arbitrators as the case may be within 30 days of receipt of such a request and refer such disputes to arbitration. Wherever the Arbitral Tribunal consists of three Arbitrators, the contractor shall appoint one arbitrator within 30 days of making request for arbitration or of receipt of request by Engineer-in-charge to CE/ADG/SDG /DG for appointment of arbitrator, as the case may be, and two appointed arbitrators shall appoint the third arbitrator who shall act as the Presiding Arbitrator In the event of

- a) A party fails to appoint the second Arbitrator, or
- b) The two appointed Arbitrators fail to appoint the Presiding Arbitrator, then the Executive director General; CPWD shall appoint the second or Presiding Arbitrator as the case may be.

- (ii) Disputes or difference shall be referred for adjudication through arbitration by a Tribunal having sole arbitrator where claimed amount is Rs. 20 Crore or less. Where claimed Value is more than Rs. 20 Crore, Tribunal shall consist of three Arbitrators as above. The requirements of the Arbitration and Conciliation Act, 1996 (26 of 1996) and any further statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall be applicable.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts

claimed, if any, in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the decision of the ADG/ SDG on the finding / recommendation of DRC. It is also a term of this contract that member(s) of the Arbitration Tribunal shall be a Graduate Engineer with experience in handling public works engineering contracts, and further he shall have earlier worked at a level not lower than Chief Engineer/ equivalent (i.e. Joint Secretary level of Government of India). This shall be treated as a mandatory qualification to be appointed as arbitrator. Parties, before or at the time of appointment of Arbitral Tribunal may agree in writing for fast track arbitration as per the Arbitration and Conciliation Act, 1996 (26 of 1996) as amended in 2015. Subject to provision in the Arbitration and Conciliation Act, 1996 (26 of 1996) as amended in 2015 whereby the counter claims if any can be directly filed before the arbitrator without any requirement of reference by the appointing authority. The arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases where the total amount of the claims by any party exceeds Rs. 1,00,000/-, the arbitrator shall give reasons for the award. It is also a term of the contract that fees payable to arbitral tribunal shall be as approved by DG, CPWD, OM issued vide no.2/2006/SE(TLC)/CSQ /137 dated 19-11-2019 (or its latest amendment as approved by DG, CPWD). This fee shall be shared equally by parties. The place of arbitration shall be as mentioned in Schedule F. In case there is no mention of place of arbitration, the arbitral tribunal shall determine the place of arbitration. The venue of the arbitration shall be such place as may be fixed by the Arbitral Tribunal in consultation with both the parties. Failing any such agreement, then the Arbitral Tribunal shall decide the venue.

Amendment in CPWD GCC 2023 Construction Work.

Sr.no	Existing Provision	Modified Provision (Read as)
1	C.P.W.D	AIIMS Rishikesh.
2	President of India	Executive director of AIIMS Rishikesh
3	SE of Circle	SE of AIIMS Rishikesh.
4	CE of Zone	Executive director of AIIMS Rishikesh.
5	DDH	EE (AC&R)
6	Government of India	AIIMS Rishikesh
7	CPWD Contractor's Labour Regulations.	Labour Regulations of Government of India/State.
8	ADG	Executive director of AIIMS Rishikesh.
9	Settlement of Disputes & Arbitration(Clause 25)	Modified (attached at page no.16)

To view CPWD General Condition of Contract (GCC) click on the link
https://cpwd.gov.in/Publication/GCC_Construction_Works_2023.pdf

FORM -X

CONSENT LETTER FROM ELIGIBLE ASSOCIATE SPECIALIZED AGENCIES

Name of work: **"Upgradation of Neurosurgery CCU at AIIMS Rishikesh
SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works"**

1. I / We hereby give my consent to associate with M/s, for executing the of work of (Mention specialized work(s)).
2. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer-in-Charge for the corresponding specialized work(s) till the completion of the work.
3. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.
4. Also I / We will employ full time technically qualified Engineer / supervisor for the specialized work(s) component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Main Agency/Contractor

Signature with date of Associate Specialized Agencies/

Address:

Address:

1. Witness with address
(From main contractor side)

2. Witness with address
(From associated agency side)

FORM-Y
MEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

1] M/S [Name of the firm with full address]
Enlistment Status
Valid Upto:
(Henceforth called the main contractor]

And

2] M/S [Name of the firm with full address]
Enlistment Status
Valid Upto:
[Henceforth, called Associated Specialized Agency)

For the execution of Work "**Upgradation of Neurosurgery CCU at AIIMS Rishikesh**
SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works"

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date) and the department [AIIMS, Rishikesh] can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MoU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MoU permits. In case of any dispute, either of us will go for mediation by the EE(E)-II/EE(C)-III & EE(C)-IV, AIIMS, Rishikesh. Any of us may appeal against the mediation to the **Superintending Engineer, AIIMS**, Rishikesh. His decision shall be final and binding on both of us.

We have agreed as under:

- 1] The associated Specialized Agencies will execute all specialized work(s) in the wholesome manner as per terms and conditions of the agreement and as per the direction of the Engineer-in-charge
- 2] That the Associated Specialized Agencies have gone through the contract and has understood the scope of work required for the purpose of executing the specialized work(s).
- 3] All the machinery and equipment, tools and plants, special T&P required for execution of the specialized work(s), as per agreement, shall be the responsibility of the associated Specialized Agencies
- 4] The site staff required for the specialized work(s) shall be arranged by the associated Specialized Agencies as per terms and conditions of the agreement.
- 5] Site order book maintained for the said work shall be signed by the authorized representative of main contractor as well as Associated Specialized Agencies.
- 6] All the correspondence regarding execution of the specialized work(s) shall be done by the Department with the Associated Specialized Agencies and/or main contractor with a copy to the other party. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated agency shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR
Date:
Place

SIGNATURE OF ASSOCIATED CONTRACTOR./AGENCY
Date
Place:

FORM-Z

PROPOSAL FOR ELIGIBLE ASSOCIATING AGENCIES FOR SPECIALIZED WORK(S)

I/we hereby propose the following agencies to be associated as per mentioned against each for executing corresponding specialized work(s). Their consent letter are also attached as per FORM-X

S.No	Name of Associated Specialized Agency	Registration /Enlistment copy/completion Certificates attached	Gross Work Done of Specialized work	Experience Certificate attached (Yes/No)	Consent letter attached (Yes/No)
Sub -Work 1: For Civil works					

Etc.

SIGNATURE OF MAIN CONTRACTOR

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

To,
Executive Engineer (AC&R),
AIIMS Rishikesh,

Sub: "Upgradation of Neurosurgery CCU at AIIMS Rishikesh
SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works."

Dear Sir,

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

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

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by AIIMS Rishikesh. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

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

Authorised Representative of Bidder

Signature:

Name :

Address :

Place:

Date:

TREMS AND CONDITIONS

1. The work shall be carried out strictly in accordance with CPWD specifications as amended up to date and as per instructions of the Engineer-in-Charge, including as below and nothing will be paid extra.
2. All materials to be used on this work by the contractor shall be got approved from the Engineer-in-Charge and department.
3. The poor workmanship will not be accepted and defects shall be rectified at contractor's cost of the satisfaction of the Engineer-in-Charge. The Program of works are to be coordinated in accordance with the building work and no claim for idle labour will stipulated in the tender.
4. All the debris of the works should be removed and the contractor should clear the site immediately after the accruing of debris. Similarly, the contractor should immediately clear off any rejected material from the site.
5. 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.
6. The Institute shall not pay separately Central/State sales tax/VAT/Contract tax/Excise duty/GST etc. The rates tendered should be inclusive all taxes and duties. **Deduction of contract tax at source, Labour Cess, water cess etc.** shall be made while releasing payment through running/final bills as applicable. A payment details specifying the rate and amount of deduction shall however be issued.
7. The entire installation shall be at the risk and responsibility of the contractor until the handover.
8. 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.
9. All system must have third party certification of the product if required.
10. Any type of License/NOC/ Approval from Government/ Local Body is will be in the scope of Vendor.
11. Any type of Inspection of Internal /External Authority will be done by Vendor.
12. Storage and custody of material will be in scope of Vendor.
13. Site clearance will be in the scope of vendor after completion of work.
14. Conditional bids would be summarily rejected.
15. **T&P: The AIIMS will not issue any T&P for execution of the work.**
16. All necessary work/ spare/ tool/ any type item required for completeness of work will be in scope of vendor and nothing will be paid extra by AIIMS.
17. The Contractor should submit details of the terms and conditions of the personnel deployed by him at AIIMS. The contractor shall also ensure the police verification of each person deployed by him at AIIMS. The contractor shall also submit copies of the appointment letters of the personnel deployed at AIIMS, at the time of commencement of the contract or whenever change/replacement of any person (s) takes place during the period of the contract. AIIMS may ask to furnish the details of personnel deployed by the contractor at any time during the period of contract.
18. Contractor is advised to inspect the site carefully before quoting the rates. The contractor shall be deemed to have satisfied himself to the nature & extent of work at site & no claim for extra payment/or time extension will be allowed on the ground that he was not conversant with condition providing at the site. The rate shall be inclusive of all taxes, accessories, machining & labor,

dismantling i.e. site clearance & shifting the debris from work place to specified place at site etc.

19. **Shut Downs: No routine shut down shall be permitted during office hours. The contractor shall be at liberty to carry out work on holidays and after office hours but with prior permission of AIIMS.**
20. AIIMS will not be responsible for any lapse on the part of the Contractor in enforcing of provisions of any Labour Acts /Laws, viz., Payment of Wages Act, Minimum Wages Act, Contract Labour (Regulation & Abolition) Act, 1970 and (Central) Rules, 1971 / Industrial Disputes Act, 1947 and (Central) Rules 1957, Employee's State Insurance Act, 1948 (ESI), Employee's Provident Funds and Miscellaneous Provisions Act, 1952 EPF), Gratuity, Workmen Compensation Act, Bonus Act, etc. It will be the contractor's responsibility to abide by all Statutory Laws/Regulations applicable to the contract labour engaged by him on the Contract Work. Receipt of any complaints on this ground viewed seriously. It is expressly understood that the manpower deployed by the contractor are not on the rolls of AIIMS and no legal relationship of whatsoever subsists between AIIMS and such personnel employed by the contractor.
21. The personnel engaged by the contractor and deployed by him at AIIMS premises will be in no way be deemed as working under employment of AIIMS and there shall not exist any employer-employee relationship between AIIMS and the contractor or his personnel deployed by him. The Contractor or personnel shall have nothing to do with AIIMS either in respect of wages/salary or such other statutory benefits or compensation etc. under the Labour Laws and other related Laws i.e. Gratuity, Bonus or Workmen Compensation Act or any other law in force. The contractor shall obtain an appropriate/adequate Policy i.e. Contractor All Risks (CAR) Policy so as to meet any obligation in any eventuality. The Contractor will be responsible for providing benefits like ESI, PF, Bonus, Group Insurance Scheme etc. under the relevant rules/laws of the State and Central Government. The Contractor shall be solely liable for any dispute that might arise in any matter in future for violation/non-compliance of Labour Laws/regulations and AIIMS will have no responsibility, whatsoever.
22. The employee of the contractor will ensure strict discipline and behavior and diligent performance of their duties most befitting to the decor of the most modern mechanized building and the employees of the contractor shall not in any manner cause any interference, annoyance, nuisance etc. to AIIMS staff or its business or working and will be liable for immediately replacing/relocating the individual employee if the services rendered by him are not found to be satisfactory.
23. In case of any damage to AIIMS's property/premises for which contractor is accountable, the contractor will be liable to pay the compensation to AIIMS as may be advised by AIIMS. The contractor shall also take full responsibility and compensate AIIMS for any loss/damage/break-down caused to the installation due to negligence of his workers.
24. **AIIMS will not be responsible for any accident/injury/death caused to the employees provided by the contractor at site. It will be the responsibility of the contractor to abide with the all the provisions of the Workmen Compensation Act, 1923 and no compensation, whatsoever shall be paid by AIIMS in this regard.**
25. Integrity Pact (IP) shall be applicable for all tenders / contracts as indicated in tender document. This integrity pact shall be issued as part of the Tender documents and shall be submitted by the bidder along with Technical bid duly filled, signed and stamped by the authorized signatory who signs the bid. Only those vendors / bidders who have entered into such an IP with AIIMS shall be considered qualified to participate in the bidding. Entering into this pact shall be a preliminary qualification.
26. Technical bids submitted by the bidder will be opened first and evaluated for fulfilling the Pre-qualification criteria and other conditions in NIT/Tender documents, based on documentary evidences submitted along with the offer.
27. AIIMS will not take any type of responsibility for the item to be supplied by the vendor before successful commissioning and handover.

28. Performance bank guarantee:

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

- a) Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the Companies Act. in the form of **FDR only**.
- b) The Bank Guarantee shall not carry any interest.
- c) The Performance Bank Guarantees should **remain valid for a period of six months beyond the date of completion of all contractual obligations of the contractor including warranty obligations**.
- d) It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period as may be advised by AIIMS. AIIMS shall not be liable for issue of any reminders on expiry of the Bank Guarantees.
- e) In case the Bank Guarantees are not extended before the expiry date, AIIMS reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder/contractor.
- f) The Original Bank Guarantee may be sent directly by the Bank to AIIMS under Registered Post (Acknowledgement Due), addressed to the Executive Engineer (AC&R), AIIMS, Virbhadra Road, Rishikesh-249203.
- g) AIIMS reserves the right of forfeiture of Security Deposit in addition to other claims and penalties in the event of the Contractor's failure to fulfill any of the contractual obligations or in the event of termination of contract as per terms and conditions of contracts with AIIMS.

29. Liquidated damage: - The time for the date of delivery/ dispatch stipulated in supply order shall be deemed to be the essence of the contract and if the supplier fails to deliver any consignment within the period prescribed for such delivery in the supply order, liquidated damages may be deducted from the bill @ 0.5% per week subject to maximum of 10% of the value of the delayed goods, services or works under the contract. The competent authority of the institute may also cancel the supply at the cost & liability of the supplier. In such a case, bid security of the supplier shall stand forfeited.

30. Security Deposit: -

- a) Not Applicable

31. Return of Security Deposit: -

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

32. Payment Terms for HVAC & Electrical:-

- 70% against supply of material
- 20 % against Installation
- 10% against Testing and commissioning & Successful handover of facility.

Payment Terms for Civil:-

- 100% against completion of work

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

33. Defect liability period/ warranty period will be for one year after successful handing over of facility as whole.

**Executive Engineer (AC&R),
AIIMS Rishikesh**

FORM OF EARNEST MONEY (BANK GUARANTEE BOND)

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

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

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

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

SEALED with the Common Seal of the said Bank this day of 20... .

The Conditions of this obligation are:

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

We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of first written demand, without the Engineer-in-Charge having to 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.

ADDITIONAL CONDITIONS OF CONTRACTS

1. The contractor shall keep proper upkeep of all areas under the contract.
2. Thorough checking of employees of the contractor during entry/exit would be done by security Staff of AIIMS.
3. **Rejection of Tender and Other Conditions:**
 - a) AIIMS reserves the right to accept or reject the tenders without assigning any reason whatsoever.
 - b) Conditional tenders, unsolicited tenders, tenders which are incomplete or not in the form specified or defective or have been materially altered or not in accordance with the tender conditions, specifications etc., are liable to be rejected.
 - c) Tenders are liable to be rejected in case of unsatisfactory performance of the bidder with AIIMS or bidder who do not comply with the latest guidelines of Ministry/Commissions of Govt. of India. AIIMS reserves the right to reject a bidder in case it is observed that they are overloaded and may not be in position to execute this job as per the required schedule. The decision of AIIMS will be final in the regard.
 - d) If a bidder who is a proprietor expires after the submission of his tender or after the acceptance of his tender, AIIMS may at their discretion, cancel such tender. If a partner of a firm expires after the submission of tender or after the acceptance of the tender, AIIMS may then cancel such tender at their discretion, unless the firm retains its character.
 - e) AIIMS will not be bound by any Power of Attorney granted by changes in the composition of the firm made subsequent to execution of the contract. They may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.
 - f) If the bidder gives wrong information in his tender, AIIMS reserves the right to reject such tender at any stage or to cancel the contract if awarded and forfeit the Earnest Money/Security Deposit/any other money due.
 - g) Canvassing in any form in connection with the tenders submitted by the Bidder shall make his offer liable to rejection.
 - h) In case the proprietor, Partner or Executive director of the Company/Firm submitting the Tender, has any relative or relation employed in AIIMS, the authority inviting the Tender shall be informed of the fact as per specified format as per relevant annexure attached along with the offer.
 - i) The successful bidder should not sub-contract part or complete work detailed in the tender specification undertaken by him.
 - j) The Tender submitted by a techno commercially qualified bidder shall become the property of AIIMS who shall be under no obligation to return the same to the bidder. However, unopened financial bids and late tenders shall be returned to the bidders.
 - k) AIIMS shall not be liable for any expenses incurred by the bidder in the preparation of the tender irrespective of whether the tender is accepted or not.
4. **Cancellation of Contract in Full or in Part:**

AIIMS at its sole discretion can terminate the contract at any time during the period of contract, If the Contractor:

 - a) At any time makes defaults in proceeding with the works with due negligence and continues to do so even after a notice in writing from the AIIMS, Rishikesh.; or
 - b) Commits default in complying with any of the terms and conditions of Contract and does not remedy it or take effective steps to remedy it within 15 days after a notice in writing is given to him in that behalf by the AIIMS, Rishikesh.; or

- c) Fails to yearly performance evaluation of the service provider/contractor by AIIMS or third party inspection report or both; or
- d) Violates any of the terms and conditions stipulated in the agreement/tender document.
5. **Law Governing the Contract and Court Jurisdiction:**
The contract shall be governed by the law for the time being in force in India. The civil court having original civil jurisdiction at Rishikesh shall have an exclusive jurisdiction in regard to all claims in respect of the Contract. No other civil court shall have jurisdiction in case of any dispute, under this contract.
6. **Use of Office Space:** No space belonging to AIIMS shall be occupied by the contractor without written permission of AIIMS.
7. **Sample Demonstration:** The contractor shall have to get the samples approved before the whole lot is brought to site and it shall include all accessories etc.
8. **Risk & Responsibility till handover:** 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 from the Page 24 of 31 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.
9. **Site Inspection:** Before submission of offer, the bidders must inspect the sites and be well acquainted themselves with the actual the scope of works and other prevalent conditions, facilities available, position of material and labour, means of transport and access to Site, accommodation, etc. No claim will be entertained later on the grounds of lack of knowledge of any of these conditions.
10. **Rights of AIIMS, Rishikesh:**
a) AIIMS reserves the following rights in respect of this contract during the original contract period or its extensions if any, as per the provisions of the contract, without entitling the contractor for any compensation.
b) To terminate the contract or get any part of the work done through other agency or deploy AIIMS's own/hired/otherwise arranged resources, at the risk and cost of the contractor after due notice period of two weeks by AIIMS in the event of:
(i) Contractor's continued poor progress
(ii) Withdrawal from or abandonment of the work before completion of the work
(iii) Contractor's inability to progress the work for completion as stipulated in the contract
(iv) Poor quality work
(v) Corrupt act of Contractor
(vi) Insolvency of the Contractor
(vii) Persistent disregard to the instructions of AIIMS
(viii) Assignment, transfer, sub-letting of contract without AIIMS's written permission
(ix) Non fulfilment of any contractual obligations
(x) In the opinion of AIIMS, the contractor is overloaded and is not in a position to execute the job as per required schedule.
c) To effect recovery from any amounts due to the contractor under this or any contract or in any other forms, the moneys AIIMS is statutorily forced to pay to anybody, due to contractor's failure to fulfil any of his obligations. AIIMS shall levy overheads of 5% on all such payments or as per the GCC & SCC of agreement.
11. **Responsibilities of the contractor in respect of local laws, employment of works etc.**

The contractor shall fully indemnify AIIMS against any claims of whatsoever nature arising due to the failure of the contractor in discharging any of his responsibilities. The following are the responsibilities of the contractor in respect of observance of local laws, employment of personnel, payment of taxes etc.:

- a)** The contractor at all times during the continuance of this contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals and religious and other customs.
- b)** The contractor shall comply with all applicable State and Central Laws, Statutory Rules, Regulations etc. such as Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Dispute Act, Employers Provident Act, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act 1970, Payment of Bonus & Gratuity Act and other Acts, Rules and Regulations for labour as may be enacted by the Government during the tenure of the Contract and having force or jurisdiction at Site. The Contractor shall also give to the local Governing Body, Police and other relevant Authorities all such notices as may be required by the Law.
- c)** The Contractor shall pay all taxes, fees, license charges, deposits, tolls, royalties, commission or other charges which may be liable on account of his operations in executing the contract.
- d)** Contractor shall be responsible for provision of Health and Sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act), Safety precautions etc. as may be required for safe and satisfactory execution of contract.
- e)** The Contractor shall be responsible for proper accommodation including adequate medical facilities for personnel employed by him.
- f)** The Contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.
- g)** The Contractor shall arrange, coordinate his work in such a manner as to cause no hindrance to other agencies working in the same premises.
- h)** All safety rules and codes applied by the AIIMS at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards. Due precautions shall be taken against fire hazards and atmospheric conditions. Suitable number of Clerical staff, watch and ward, store keepers to take care of equipment/materials and construction tools and tackles shall be posted at site by the contractor till the completion of work under this contract.
- i)** The contractor shall arrange for such safety devices as are necessary for such type of work and carry out requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices.
- j)** Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by AIIMS/Customer. The contractor has to assist in HSE audit by AIIMS/Customer and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of AIIMS/Customer.
- k)** The contractor will be directly responsible for payment of wages to his workmen. A pay roll sheet given all the payments given to the workers and duly signed by the contractor's representative should be furnished to AIIMS site for record purpose, if so called for.
- l)** In case of any class of work for which there is no such specification as laid down in the contract, such work shall be carried out in accordance with the instructions and requirements of AIIMS.

12. Insurance

- a) It is the sole responsibility of the contractor to insure his materials, equipment's, workmen, etc. against accidents and injury while at work and to pay compensation, if any, to workmen as per Workmen's compensation Act. The work be carried out in protected area and all the rules and regulations of the AIIMS in the area of project which are in force from time

to time will have to be followed by the contractor.

b) If due to negligence and or non-observation of safety and other precautions by the contractors, any accident/injury occurs to the property/manpower belong to third party, the contractor shall have to pay necessary compensation and other expense, if so by the appropriate authorities.

c) The contractor will take necessary precautions and due care to protect the material, while in his custody from any damage/loss due to theft or otherwise till the same is taken over by AIIMS or customer. The contractor will submit necessary documents for lodging/processing of insurance claim. AIIMS will recover the loss from the contractor, in case the damage /loss is due to carelessness / negligence on the part of the contractor. In case of any theft of material under contractor's custody, matter shall be reported to police by the contractor immediately and copy of FIR and subsequently police investigation report shall be submitted to AIIMS for taking up with insurance. However this will not relieve the contractor of his contractual obligation for the material in his custody. Vendor responsible to complete assignment as per term and condition NIT subsequently agreement as signed with AIIMS.

13. **Force Majeure**

The following shall amount to Force Majeure:

a) Acts of God, act of any Government, War, Sabotage, Riots, Civil commotion, Police action, Revolution, flood, Fire, Cyclones, Earth quake and Epidemic and other similar causes over which the contractor has no control.

b) If the contractor suffers delay in the due execution of the contractual obligation due to delays caused by force majeure as defined above, the agreed time of completion of the job covered by this contract or the obligations of the contractor shall be extended by a period of time equal to period of delay, provided that on the occurrence of any such contingency, the contractor immediately reports to AIIMS in writing the causes of delay and the contractor shall not be eligible for any compensation.

14. **General Conditions of the Contract (GCC) of CPWD with Up to Dated amendment, Tender form and Special Conditions of the Contract (SCC), additional conditions of contract and NIT will form the part of the contract.**

15. **The General Conditions of the Contract (GCC) of CPWD can be seen and downloaded from CPWD website and given below link:-**
https://cpwd.gov.in/Publication/GCC_construction_Works_2023.pdf **respective amended are attached at page no 17.**

16. All Annexures are to be submitted with the bids duly signed.

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,
Executive Engineer (AC&R)
AIIMS, RISHIKESH

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: "Upgradation of Neurosurgery CCU at AIIMS Rishikesh
SH: - Supply Installation, Testing & Commissioning of Civil, HVAC and Electrical works."

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above-mentioned 'Tender/Work' from the web site(s) namely: www.aiimsrishikesh.edu.in as per advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents of all pages (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by department/ organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Private organization.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit /Security deposit or both absolutely.

Date:
Place:

Signature of authorized person
Full Name & Designation:
Company's Seal

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER
(To be typed submitted in the letter Head of the Company/firm of Bidder)

To,
Executive Engineer (AC&R)
AIIMS, RISHIKESH

Dear Sir,

Sub: **Declaration by Authorised Signatory**

Ref: i) NIT/Title of the work. Name of Tender No.....,
ii) All other pertinent issues till date

I/We hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, condition, stipulations and other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorized to represent on behalf of my company/firm for the above-mentioned tender and a valid Power of Attorney/Authorization letter to this effect is also enclosed.

Yours faithfully,

(Signature, Date & Seal of Authorized
Signatory of the Bidder)

Date:

Enclosed: Power of Attorney/Authorization letter

DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS

(To be typed submitted in the letter Head of the Company/firm of Bidder)

To,
Executive Engineer (AC&R)
AIIMS, RISHIKESH

Dear Sir,

Sub: **Declaration confirming knowledge about Site conditions**

Ref: i) NIT/Tender No... ..,
ii) All other pertinent issues till date

I/We _____ hereby declare and confirm that we have visited the site as referred in AIIMS Tender Specifications and acquired full knowledge and information about the site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out works as detailed in above-mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours faithfully,

(Signature, Date & Seal of Authorized
Representative of the Bidder)

Date:
Place:

NO DEVIATION CERTIFICATE

(To be typed submitted in the letter Head of the Company/firm of Bidder)

To,
Executive Engineer (AC&R)
AIIMS, RISHIKESH

Dear Sir,

Sub: **No deviation certificate**

Ref: i) NIT/Tender No... ..,
ii) All other pertinent issues till date

We hereby confirm that we have not changed/modified/materially altered any of the tender documents as downloaded from the website/issued by AIIMS and in case of such observance at any stage, it shall be treated as null and void and this tender shall deemed to be withdrawn.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and conditions, unqualified compliance to Tender Conditions, Integrity Pact (if applicable) and acceptance to Reverse bidding process.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid reference.

Thanking you,

Yours faithfully,

(Signature, Date & Seal of Authorized
Signatory of the Bidder)

DECLARATION

(TO BE TYPED ON NON-JUDICIAL STAMP PAPER OF RS.10/-)

To,
Executive Engineer (AC&R)
AIIMS, RISHIKESH

Ref: 1) NIT/Tender No. _____

Dear Sir,

1. We have carefully read and understood all the terms and conditions of the tender and hereby convey our acceptance to the same.
2. The information / documents furnished along with the above offer are true and authentic to the best of my knowledge and belief. We are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of our tender/Order at any stage besides liabilities towards prosecution under appropriate law.
3. We are agree to bear penalty imposed upon us due to nonperformance or deficiencies or delay in work or poor workmanship in the services on our part.
4. We have no objection, if enquiries are made about the work listed by us.
5. We have not been under suspension/termination/banned/blacklisted in the preceding 2 years, till last date of submission of bid, by any PSU/Govt. Departments/PSU Banks/AIIMS or any other organization where we have worked. Further, if any of the partners/Executive directors of our organization /firm is black listed or having any criminal case against them, our bid/offer shall not be considered. At any later point of time, if this information is found to be false, AIIMS may terminate the assigned contract immediately.
6. We have not been found guilty by a court of law in India for fraud, dishonesty or moral turpitude.
7. We agree that the decision of AIIMS in selection of Bidders will be final and binding to us.

Signature of authorized person
Full Name & Designation

Company's Seal:

Date:
Place:

1. The above declaration, duly signed and sealed by the authorized signatory of the company, should be enclosed with Technical Bid.
2. The filling of this declaration is mandatory while submitting the tender documents failing which the tender will rejected out rightly.

FINANCIAL INFORMATION

Financial Analysis - Details to be furnished duly supported by figures in balance sheet/profit & loss account duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

I) Gross Annual Turn Over:-

Descriptions	2020-2021	2021-2022	2022-2023
Gross Annual Turn Over			
Average turn-over of three years			

II) Profit / Loss for last Five years ending 31.03.2023: -

S.No.	Financial Information in Rs. Equivalent	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
1	Total Assets					
2	Current Assets					
3	Total Liabilities					
4	Current Liabilities					
5	Profit before Tax					
6	Profit after Tax					
7	Net Worth					

Signature of Bidder(S) with Seal

Signature of Chartered Accountant with Seal

Signature of the Bidder with Company Seal

Contact Details for seeking clarifications, if any

S.no	Description	Fill by Bidder
1	Name of the Firm	
2	Office Address	
3	Name of the person	
4	Designation	
5	E-mail ID	
6	Contact Number	

Signature of Bidder(S) with Seal

Check List

S.no.	Information for bidder	Remarks	Refer page no. of submitted bid
1	Duly signed with company seal on each Page of Notice Inviting Tender (& its corrigendum if any)	Yes/No	
2	Earnest Money Deposited	Yes/No	
3	Whether three similar works each of value not less than 40% of the estimated cost put to the tender OR Two similar works each of value not less than 60% of the estimated cost put to Tender OR One similar works each of value not less than 80% of the estimated cost put to Tender with completion certificate along with purchase/work order (details provided)	Yes/No	
4	Acceptance of Tender Condition (read and duly signed)	Yes/No	
5	General Conditions of Contract (read and duly signed)	Yes/No	
6	Proforma of Schedules (read and duly signed)	Yes/No	
7	Copy of PAN Card	Yes/No	
8	Annual Financial Turnover should be at least 30% of the estimated cost put to tender and Average financial turnover during the immediate last three consecutive financial years, duly audited and certified by the chartered Accountant	Yes/No	
9	Copy of GST Registration	Yes/No	
10	The bidder should not have incurred any loss (profit after tax should be positive) in more than two years during available last five consecutive balance sheet, duly audited and certified by the chartered accountant	Yes/No	
11	For civil works: Copy of registration certificate with CPWD / MES / any state government PWD of the bidder or his associate. Original consent letter of associated agencies in FORM-X and FORM-Z	Yes/No	
12	Integrity Pact (duly filled & signed)	Yes/No	
13	Annexure-1 (duly filled & signed)	Yes/No	
14	Annexure-2 (duly filled & signed)	Yes/No	
15	Annexure-3 (duly filled & signed)	Yes/No	
16	Annexure-4 (duly filled & signed)	Yes/No	
17	Annexure-5 (duly filled & signed)	Yes/No	
18	Annexure-6 (duly filled & signed)	Yes/No	
19	Annexure-7 (duly filled & signed)	Yes/No	
20	Check list filled (duly filled & signed)	Yes/No	

Signature of Bidder(S) with Seal

Signature of the Bidder with Company Seal

Other Terms And Conditions

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

- Supply, transportation to site, loading, unloading, storage, installation, testing, commissioning, validation and handing over of entire facility at AIIMS Rishikesh.
- Effective co-ordination with the other agencies (internal & external) to carry out the work smoothly.

B. PRICE:

- Price shall be inclusive of all taxes & duties whatsoever, excise duty, sales tax, 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 concessional 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.

C. NEW MATERIALS

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

D. REPLACEMENT OF DEFECTIVE/ DAMAGED ITEMS

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

E. TOOLS & TACKLES:

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

F. QUALITY OF WORK & WORKMANSHIP:

- The quality of work, workmanship, finishing etc. should be satisfactory to the AIIMS Rishikesh. No payment shall be made for inferior quality or rejected work.

G. TESTING AND INSPECTION:

- All items to be supplied shall conform to type tests as per the relevant standards. The bidder shall furnish the reports of all tests carried out. 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 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 test shall be carried out in the presence of the inspecting officer from AIIMS Rishikesh.
- The decision to inspect/waive shall rest with the AIIMS Rishikesh. Items can add/delete/modify the same in the interest of organization/work from time to time considering cost, quantity, significance, completion schedules etc.
- If any equipment/material fails in the tests conducted during inspection, necessary rework/replacement shall be done and equipment shall be re-offered for inspection without any cost to owner.

H. 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 and rules etc.

I. SITE TESTS/ PERFORMANCE TESTS:

- Necessary site validation tests/ performance shall be conducted 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.

J. HANDING OVER/ CERTIFIED DATE OF COMPLETION:

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

Note: -

1. 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.
2. The contractor will be responsible for malfunctioning of material supplied by him, it might be due to poor workmanship or due to spare supplied by him or any other reason.

List Of Preferred Makes (CIVIL)

Note :

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
3. Whenever the specified brand of material is not available than, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

MATERIALS:	BRAND/MAKE
1 AAC Block	Aerocon, Siporex, Ultratech, Ecolite, Concretite, J.K. Laxmi (Cement Ltd.), BILTECH, Kansal, Dlite Blocks
2 AAC Block Adhesive	Ferrous crete(Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixed-Block)
3 Acrylic Distemper, Emulsion, Synthetic Enamel Paint and Primer.	Asian Paints, ICI Dulux, Berger, Nerolac
4 Epoxy Adhesive	FOSROC, Aquomix , Choksey, BAL-ENDURA,MYK Laticrete
5 Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro bond, Alstrong
6 Aluminium Extrusions	Hindalco, Indalco, Jindal
7 Aluminum Sections	Jindal, Hindalco, Indalco
8 Annealed Float Glass	Saint Gobain, Modi Guard, Asahi
9 Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
10 Calcium Silicate Board / Tiles	Aerolite, Hilux, Starpan
11 CC Pavers / Grass Pavers	Nitco, Hindustan, Ultra, KJS Concrete, Duracrete, Mehtab Tiles, Kaptim
12 Centrifugally Cast Iron Pipe & Fittings	NECO, SKF, BIC, RIF, KAPILANSH, HIF
13 Ceramic Tiles	Kajaria, Nitco, Orient Bell, Johnson, RAK Ceramics
14 Chequered / Tactile Tiles	Dura, Eurocon, Modern, Hindistan, Johnson, Eavison
15 CI Manhole Cover	BIC, SKF, NICO, Hepco, Kapilansh, RIF
16 CI Double flanged non-return valves	Kirloskar, Sant, Kartar
17 CP fittings	Jaquar, Marc, Kohler, Grohe
18 CPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS
19 Curtain Carrier / Drapery Rod	Marvel, Vista levlor, Johnson.
20 Dash fastener, Expansion Bolt	Hilti, Bosch Fischer
21 Hydraulic Door closer, Floor springs	Dorma, Hettich, Hafele, Geze
22 Ductile Iron Pipe (Water Supply)	Electro steel, Kesso, KDUPL, Electro Spun
23 EPDM Gasket	Hanu, Anand, Lescuyer
24 GRC / Tactile Tile	Unistone, Eurocon, Dazzle
25 Epoxy Grouting Compound	Pidilite, Ferrous Crete(Ferro-102), MYK LATICRETE, Fosrock
26 Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Fosrock
27 Fire Check door	Navair, Godrej, Shakti
28 Float Glass Mirror	Modifloat, Saint Gobain, Asahi
29 Flush Doors (ISI Mark only)	Century, Kitlam, Archid, Greenply, Marino, Duro, Gujcon
30 Friction Stay	Earl-Bihari, Geze, Hettich, Securistyle
31 Galvanized/Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
32 GI Pipe & fittings	Tata, Zenith, Jindal, Prakash Surya, Swastik; (ISI Marked only)
33 GI Sheet	Sail, TATA, Jindal or equivalent
34 Gun Metal Gate Valve	Zoloto, Leader, SANT, Prima
35 Glass Mosaic Tile	Bisazza, Italia, Palladio, Mridul
36 Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, St. Gobain
37 Hardener	Hardcrete of Snowcem India, Pidilite, CICO.
38 HDPE Pipes	VECTUS, Emco, Polyfins, Pioneer, Plyfab
39 Jet Assembly for EWC/Health Faucet	Parryware , Jaquar, Marc, PRIMA(ISI)
40 Kitchen loft tank	Sintex, Tirupati Structural Ltd, KMS Plast world P.Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel InC.
41 Laminate and Veneers	Merino, Greenlam, Kitlam, Duro
42 Locks / Latch	Godrej, Harrison, Dorma, Doorset (ISI)
43 Marine Plywood / BWP Ply	Duro, Century, Greenlam

44	Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Burger
45	Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone
46	Mineral Fibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
47	M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash Surya
48	M.S. Tubes	Tata, Apolo, Prakash Surya
49	Multicoat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, Ultratech
50	Plywood, Block Board	Greenply, Century, Duro
51	Polycarbonate Sheet	Danpalon (DPI), Bayer, Macrolux
52	Polysulphide / Silicon Sealent	Pidilite, Fosroc, Tuffseal, Chouksey Chemicals, Perma, BASF
53	POP (Plaster of paris)	JK, Laxmi, Sriram Nirman, Sakarni
54	PPR Pipes	SFMC, SAFE, Poineer Industries
55	Precast CC interlocking Tiles	Hindustan, Paver India, KK
56	Precoatd Profile Sheet	Tata, Bhushan or equivalent
57	Pre-laminated Particle Board	Ecoboard, Action-Tesa, Duro, Century Ply, Greenlam, Albihari
58	Pressed steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enternprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi.
59	PTMT Fittings	Prayag, Polytuf, Pearl, Millennium, PRIMA
60	PVC Cistern	Steelbird, Jindal, Seabird, Prayag, Commander
61	PVC Connection Pipe	Supreme, Prince, Finolex
62	PVC Rain Water Pipe & Fitting	Finolax, Kisan, Kasta, Supreme, Astral, Prince
63	Ready Mix Concrete (RMC)	Lafarge, Alchon, ACC, L&T, Grasim, Ultratech, RMC India
64	Ready Mix plaster	Ultratech, Precisecon Chem, Perma, Ferrous Crete, JK, Fosrock,
65	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
66	PVC Water storage Tank (Only ISI)	VECTUS, Water well, Plasto, Polycon, Sintex. (Weight as per ISI)
67	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zolto
68	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
69	Stainless Steel	Jindal, Salem or equivalent
70	Stainless steel Sink with or without Draining board.	Nirali, Hindware, Frankee, Neelkanth, Jaquar
71	Stainless steel Door/Window fittings & Fixtures	Dorma, Ozone, D-Line, Hettich, Kich, Geze
72	Structural steel section	TATA, SAIL, RINL, Jindal
73	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF
74	Tensile Fabric	Bluestone, Encon, Structure Flex
75	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Somany
76	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kolher, Grohe
77	Tubular steel Window, ventilator, Door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
78	UPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS
79	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C.Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kolher, Grohe
80	Vitrified Tile	Johnson -Marbonite, Somany, Kajaria, Orient Bell, NITCO, RAK
81	Wall Putty	JK, BIRLA, SARAPUTTY
82	Waste Pipe	Kamal, Viking, Jaquar
83	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo
84	White Cement	JK White, Birla White, Grasim

List Of Preferred Makes – HVAC & Electrical

Equipment's	Preferred Makes
Vinyl flooring	Armstrong, Gerfloor, Tarkett
Variable Frequency Drive	ABB / Siemens / Fuji / Danfoss
AHU/ TFA	Citizen / Zeco / VTS / Flaktwood / Systemair / Edgetech
Plug Fan	Nicotra Gebhardt / Kruger/ Ziehl-abegg / Greenheck / Flaktwood
Motor (IE-3) for AHU Fan	ABB / Siemens / Crompton
Filters	Thermadyne / Freudenberg / Camfil Farr / AAF
VRV /VRF System	DAIKIN / CARRIER/ TOSHIBA/ MITSUBISHI / HITACHI / OGENERAL
Refrigerant Copper Piping	Maxflo / Rajko / Modern
GSS/GI Sheet	SAIL / Jindal / TATA
Grilles / dampers / diffusers / Louvers / VCD / Fire damper / Motorised Damper	Ruskin/ Caryaire / Systemair / Cynore / Dynamic Equipments / Airflow / Pineair
Fire Damper Actuator	Belimo / Siemens / Honeywell
Nitrile Insulation	Armacell / Aeroflex / K-flex / Supreme
Magnehelic gauge	Dwyer or equivalent
Duct Heater	Daspass / KEPL / Equivalent
Electrical Panels / Switch gears / Switch Socket / DB	L&T/ ABB/ Schneider/ Siemens/ Legrand/ Tricolite/ Adlec Mundka/ Advance / Equivalent.
LED Light Fixture	Philips / Crompton / Havells / Orient / Bajaj / Syska
Current Transformer	AE/Pragati/Gilbert & Maxwell/Matrix/Rishabh/Kappa
Electronic Digital Meter	Enercon System Pvt. Ltd. / CG Schlumberger / L&T / Rishabh
Moulded Case Circuit Breaker (MCCB)	Schneider (NSX) / L&T (D Sine) / Siemens (3VL) / ABB (Tmax) / Legrand
Miniature Circuit Breakers (MCB).	Schneider / L&T / Siemens / ABB / Legrand
Residual Current Circuit Breaker (RCCB)	Schneider / L&T / Siemens / ABB / Legrand
Power/Aux. Contactor	Schneider / L&T / Siemens / ABB / Legrand
Change Over Switch	Schneider / L&T / Siemens / ABB / Legrand
Meters including Digital Meters	L&T/ Socomec/ Schneider/
	Secure/ Siemens/Schneider/ ABB / Rishabh
Protection Relay	Areva/Siemens/L&T/Schneider
Indication lamp and push button	GE/L&T/Siemens/Schneider
Selector Switch	Siemens/ L&T/ Schneider/ABB
Single Phase Preventor	L&T/Minilec/Schneider/ABB

LT Cables / Wire	Havells/ Finolex/ KEI/ Polycab/ RRKabel
Bimetallic Cable Lug	Dowell/Comet/Jainson
Cable Glands Double Compression.	Dowell/Comet/Jainson

SCHEDULE OF QUANTITY

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
1	Providing and fixing 2 mm thick homogeneous PVC Vinyl flooring RQ Restorable Quality with a single layer of PVC, total weight is 2800 gm/m ² , PUR (polyurethane reinforced, Abrasion group T: ≤4.00 mm, residual indentation approx. 0.03 mm, castor wheel test qualified, dimensional stability ≤0.40%, static electrical charge < 2kv, impact sound reduction approx +4db, good resistance of scratch, slip, chemical and fire, doesn't favor in growth of fungi & bacteria. Clean Room class A certified. 100% recyclable. Low VOC emissions after 28 days of installation (lower than ≤10µg/m ³). Phthalate Free of any colour and welding required at joints as per direction of Engineer-in-charge.	Sqm	350.00		
2	Self levelling of cement concrete flooring with desired chemicals as per direction of Engineer-in-charge	Sqm	250.00		
3	Extra for providing PVC coving work on edges/corners of room to avoid growth of microorganism by rounding of edges/corners.	metre	200.00		
4	Supply and installation of Ceiling panels 50mm thick & have a composite construction of Double skins both sides PPGI Sheet (one side 0.5mm thick and another side 0.5mm thick sheet). These two sheets are held together with insulated Puff. The panels are joined to each other with one side male and other side female (Tongue & Glue Type) & all panels joints will be sealed by compressed food grade silicon to insure air-tight construction panel thickness 50mm insulating filler material Puff 45Kg/m ³ density. Providing corners & joint coving: used to provide smooth & seamless corners coving AL 75 C-Cap, L Section & Z section profiles all are medical grade powder coated.	sqm	230.00		
5	Providing and fixing bright finished brass handles with screws etc. complete:				
5.1	125mm	each	20.00		
6	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
6.1	For fixed portion				
6.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	300.00		
7	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
7.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	140.00		
8	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
8.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/ sqm)	Sqm	60.00		
9	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
9.1	Pre-laminated particle board with decorative lamination on both sides	Sqm	25.00		
10	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
10.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	sqm	400.00		
11.0	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	400.00		
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work above plinth level :				
12.1	1:5:10 (1 cement : 5 manufactured sand derived	Cum	10		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	from Recycled Concrete Aggregate (RCA) : 10 graded stone aggregate 40 mm nominal size Recycled Aggregate (RA)				
13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
13.1	Cement mortar 1:3 (1 cement :3 coarse sand)	sqm	35		
14	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	sqm	60		
15	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
15.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	10		
16	12 mm cement plaster of mix :				
16.1	1:6 (1 cement: 6 fine sand)	sqm	80		
17	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	sqm	50		
18	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete				
18.1	250x16 mm	each	10		
19	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
19.1	150x10 mm	each	10		
18	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS :	each	10		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.				
19	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
19.1	125 mm	each	10		
20	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:				
20.1	Profile B				
20.1.1	Fixing with adjustable lugs with split end tail to each jamb	mtr	40		
21	Providing and fixing on wall face unplasticised Rigid PVC water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes				
21.1	110mm dia	metre	100		
22	Providing and fixing on wall face unplasticised Rigid PVC water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes				
22.2	75 mm diameter	metre	25		
23	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
23.1	bend 87.5 degree				
23.1.1	110mm bend	each	10		
24	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
24.1	bend 87.5 degree				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
24.1.1	75mm bend	each	5		
25	Shoe (Plain)				
25.1	110 mm Shoe	each	2		
26	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	sqm	100		
27	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
27.1	Two or more coats on new work	sqm	100		
28	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
28.1	One coat	Sqm	110		
29	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
29.1	Two or more coats on new work	sqm	50		
30	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
30.1	20 mm nominal outer dia Pipes	metre	100		
31	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :				
31.1	Angle back wash basin of size 600x480 mm	each	4		
32	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of	each	4		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	Engineer-in-Charge.				
33	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
33.1	15 mm nominal bore	each	10		
34	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
34.1	15 mm nominal bore	each	10		
35	Providing and fixing CP Brass Single lever telephonic wall mixer of quality & make as approved by Engineer in charge.				
35.1	15 mm nominal dia	each	4		
36	Providing and fixing uplasticised PVC connection pipe with brass unions				
36.1	45 cm length				
36.1.1	15 mm nominal bore	each	10		
37	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	4		
38	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
38.1	In cement mortar	Cum	5		
39	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
39.1	For thickness of tiles 10 mm to 25 mm	Sqm	400		
40	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
40.1	With fully perforated 12 mm thick micro tegular edged or 10 mm thick square edged GRG false ceiling tiles.	Sqm	100		
41	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	sqm	400		
42	Providing & Fixing powder coated Double door with below specification:- Door Blade Material- Flush & Insulated with honey comb metal Doors Door Blade Material- Powder coated 50 micron GI sheet 0.8mm thick	Sqm	50		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	Door Blade Core Material- Insulated with honey comb Door Blade Thickness- 40mm Door Handle- SS 304, D Type length 300mm Wall Frame- 80 mm width and 1.2mm thick powder coated Lock- Dead Lock with European Norm Cylinder View Panel- Double Insulated Glass 5mm Unit Flushed with Door's Faces. size-300X400mm Gasket- Rubber Gasket Non Particle Shedding Type Hinges- Ball Bearing Hinges Size - As per site. Work to done as per site requirement and as per instruction of Engineer-in-charge.				
39	P/F of anti bacterial,polyester fabric ceiling mounted curtain of required size 1.20x1.65 meter and of required colour with mesh curtain of depth 0.45m including fixing to the powder coated 50 micron aluminium channel and hanging rod if required length 10mm powder coating of 50 micron thickness etc.all complete as per the instruction of Engineer in charge.	Sqm	220		
40	Providing and fixing of roller blind with necessary arrangement for fixing of blind complete (including Control unit, Idler, Head rail, Bottom rail, operating chain, Fixing brackets & clamps, roller tube etc as per site requirement and direction of engineer-in-charge.) and fabric with the following specifications: 1) Composition: 3 Ply PVC+1 Ply Fiber Glass Black out 2) Coating: 1 Ply Fiber Glass Blackout 3) Weight: 520Gsm 4) Fabric Width: as per window width 5) Tearing Strength: 64 N Warp, 57 N Weft 6) Thickness:0.36 mm 7) Environmental Certificate: Green Guard Certificate 8) Color: Desired color 9) Other Properties Anti Fungal & Anti Bacterial Fabric all complete of approved quality and make as per the Direction of Engineer in charge.	Sqm	100		
41	Providing and fixing of ceiling mounted IV stand with suspended syteme of 10mm powder coated aluminium rod and track of length 1.2m for fixing of IV at every bed an as per site requirement as per instruction of engineer in charge	each	15		
42	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
42.1	Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red	Sqm	200		
43	Providing and laying two coats of polymer modified cementitious waterproof flexible coating using base coat of cement slurry made with cement @ 1.75 kg/sqm and Acrocrete or equivalent(Acrylic based chemical) @ 1.00 kg/sqm after cleaning the surface thoroughly free of all foreign particles such as laitance etc. and laying of fibre reinforced mesh synthetic(over laps of joints of fibre shall not be less than 10 cm) and top protective layer of cement & slurry made with cement @ 1.58 kg/sqm and Acrocrete or equivalent (Acrylic based chemical) @ 0.83 kg/sqm and curing etc. complete as per the directions of Engineer-in-charge. (The surface area of roof shall be measured for payment. The work shall be carried out by the specialized agency having experience in polymer based water proofing work & specialized agency shall be got approved by the Engineer-in-charge before execution of work)	Sqm	100		
44	Removal and refixing of DGU glass for making provision of duct at all heights.	Sqm	25		
45	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
45.1	1.0 mm thick	Sqm	200.00		
46	Providing and fixing 18mm thick BWP grade plywood as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-incharge.	Sqm	100		
47	Providing and fixing 2mm thick 16 to 19mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per directions of Engineer-in-charge	metre	150		
48	Supply and installation of solid top shall be covered with 12mm Thick of any color as required Colour	Sqm	15.00		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	Bendable/ Flexible acrylic solid surface. Acrylic shall be of make Neonnex or Dupont acrylic solid surface in thickness 12 mm of approved colour made out of non-porous surfacing material homogeneously composed of + 1/3 acrylic resin (also known as PolyMethyl MethAcrylate or PMMA), and + 2/3 Aluminium Trihydrate (ATH). The sheet size should be 2.44 mts x 0.76 mts. The material should have been manufactured by using high-tech and computerized controlled processes divided into various units such as mixing of raw materials casting, process on 4th generation steel belt(double belt) production technology with online quality testing process. Suggested base substrates are Excel PVC Board of minimum 18 mm thickness				
49	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer-in-charge.	Set	15.00		
50	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge	each	30.00		
51	Providing and fixing bright finished brass handles with screws etc. complete:				
51.1	125mm	each	20.00		
52	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.				
52.1	40mm	each	20.00		
53	Repairing and waterproofing of floor joint by dismantling of existing floor and grouting all side with waterproofing chemical upto 300mm all side and relaying of tile all complete as per instruction of engineer in charge.	each	10		
54	Supply of stainless steel sink of size 1800(L)*600(W)*920(H). Sink comprises of two bowl and each bowl should be of size 900*600*300mm. Front of sink should be made of SS 304 grade shutter and inner side partition and rack for placing of chemical. One bowl of sink should fitted with swann neck tap(Jaquar make) and other bowl have a hand shower(Jaquar make). There should be proper connection for drainage pipe. Sink should also have a foot control system. At back side of sink there	each	2		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	should be extension of 300mm in height to prevent flashing of water on wall. Sink should be made of stainless steel grade 304 material and 1.2mm thick.				
55	Factory finished / Site made cut-outs in ceiling panel with necessary reinforcement/C caps, complete with all accessories as required etc. for fixing of Diffusers, Light Fixtures, making service cut-out for VAV boxes etc	each	100		
56	<p>Once through Double Deck AHU (OAHU - 100% Fresh air & 100% exhaust air with heat recovery wheel):- Supply Installation Testing & Commissioning of outdoor type (weather proof) with canopy double Skin Horizontal Air Handling Unit complete with, Bottom Deck:- consisting 100% fresh air intake provisions with aluminium dampers on fresh air side (with steel insect mesh) and supply air side. All filters flanged type i.e. pre filters (EU-4), fine filter (EU-7), HEPA filter (H-13) sections with double skin (45±2 mm) insulated with CFC free polyurethane foam (PUF) panels of 40 Kg/cum density. Sandwiched between 0.8 mm thick G.I. pre coated Sheets for Outer skin and internal skin shall be plain G.I of 0.8 mm thick. All frame work shall be with thermal break profile constructed. The blowers shall be backward curved Centrifugal plug fan (with calibrated nozzle for air flow/DP measurement) with driven motor - IE3 (VFD compatible) with minimum IP55 protection. Cushy foot mountings, Inspection LED lamp, door limit switch, SS insulated condensate drain pan made out of SS-304 and standard accessories. The unit shall be comprising of 8 row deep chilled water cooling coil made out of copper tubing and copper header. AHU to be mounted on adequate RCC cubes with double vibration pad and GI sheet etc. to be considered in scope.</p> <p>UVGI System:- UVGI system shall be designed to cover the entire face area of the cooling coil to achieve near total elimination of bacteria/ virus / biomass on the cooling coil. Required number of UVGI Lamps in the AHU's for the cooling coil area, along with reflector, ballast, junction box, mounting arrangement complete with connections etc. as required. UVGI system shall be installed downstream of the cooling coil.</p> <p>Heat Recovery Wheel:- . It shall have minimum recovery/ removal of 75 % - 80 % of total heat, that is both sensible and latent (each being 75 % - 80 %). The recovery of sensible and latent shall be equal.</p> <p>Upper Deck:- consisting 100% exhaust air provisions</p>	Each	1		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	with aluminium dampers on exhaust air side (with steel insect mesh), return air side and in mixing chamber (to convert as recirculation/ once through type AHU). All filters flanged type i.e. pre filters (EU-4), HEPA filter (H-13) sections with double skin (45±2 mm) insulated with CFC free polyurethane foam (PUF) panels of 40 Kg/cum density. Sandwiched between 0.8 mm thick G.I. pre coated Sheets for Outer skin and internal skin shall be plain G.I of 0.8mm thick. All frame work shall be with thermal break profile constructed. The blowers shall be backward curved Centrifugal plug fan (with calibrated nozzle for air flow/DP measurement) with driven motor - IE3 (VFD compatible) with minimum IP55 protection. Cushy foot mountings, Inspection LED lamp, door limit switch and standard accessories. Provision for installation of heaters and humidifier to be considered in AHU. Supply Air Fan Capacity, CFM : 6500 Return Air Fan Capacity, CFM : 8000 Chilled water Cooling Coil Load,TR : 35 Total Supply side Static,Pa : 1500 Total Return side Static,Pa : 1000				
57	Supply, installation, testing and commissioning of fabricated at site GSS sheet metal rectangular/round ducting complete with MS flanges, neoprene rubber gaskets, nut, bolt, rivet, silicone sealant, elbows, splitter dampers, vanes, hangers, supports etc. as per approved drawings and specifications of following sheet thickness complete as required.				
57.1	Thickness 0.63 mm sheet	sqm	250		
57.2	Thickness 0.80 mm sheet	sqm	182		
58	Supply, installation, testing and commissioning of GI volume control duct damper complete with neoprene rubber gaskets, nuts, bolts, screws linkages, flanges etc., as per specifications.	sqm	7		
59	Supply, installation, testing and commissioning of air diffusers of powder coated aluminium with aluminium volume control dampers with anti smudge ring & removable core	sqm	10		
60	Supplying & fixing of powder coated extruded aluminium Air Grills with aluminium volume control dampers as per specifications.	sqm	4		
61	Installation of VAV box complete with neoprene rubber gaskets, nuts, bolts, flanges etc., as per specifications. Note:- Supply, testing and commissioning VAV box is not in the scope of work.	Each	22		
62	Supply, installation, testing and commissioning of				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	fire dampers in supply air duct/main branch and return air duct as and where required of required sizes i/c control panel, the damper shall be motorized and spring return so as to close the damper in the event of power failure automatically and open the same in case of power being restored. The spring return action shall be inbuilt mechanism and not externally mounted. The damper shall also be closed in the event of fire signal complete as required and as per specifications				
62.1	Fire damper	sqm	2		
62.2	Actuator	Each	2		
63	Supplying and fixing of following thickness duly laminated aluminium foil of mat finish closed cell Nitrile rubber (Class "O") insulation on existing duct after applying suitable adhesive for Nitrile rubber. The joints shall be sealed with 50 mm wide and 3 mm thick self adhesive nitrile rubber tape insulation complete as per specifications and as required.				
63.1	19mm	sqm	272		
63.2	25mm	sqm	218		
64	Supply, installation, testing and commissioning of 0.63 mm aluminium sheet cladding as required complete in all respect with fixing screws etc., for cladding of outside / exposed ducts.	sqm	160		
65	INSULATED CHILLED WATER PIPING (Nitrile rubber insulation) 16.2 Supplying, laying/ fixing, testing and commissioning of following nominal sizes of chilled water piping inside the building (with necessary clamps, vibration isolators and fittings but excluding valves, strainers, gauges etc.) duly insulated with following closed cell elastometric nitrile rubber of minimum 45 Kg / cu m density, thermal conductivity 0.037 W/MK or better at 20 deg mean temperature class 'O' insulation applied by suitable adhesive complete including repairing of damage to building etc. as per specifications and as required complete in all respect. Note:- The Pipes of sizes 150mm & below shall be M.S. 'C' class as per IS : 1239 and pipes size above 150mm shall be welded black steel pipe heavy class as per IS: 3589, from minimum 6.35mm thick M.S. Sheet for pipes upto 350 mm dia. and from minimum 7mm thick MS sheet for pipes of 400 mm dia and above.				
65.1	65mm dia(32 mm thick insulation)	Metre	60		
66	INSULATED VALVES 16.7 Supplying, fixing, testing and commissioning of following valves, strainers, gauges in the chilled water plumbing duly insulated to the same				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	specifications as the connected piping and adequately supported as per specifications.				
66.1	BUTTERFLY VALVE (MANUAL) with C I body SS Disc, Nitrile Rubber Seal & O- Ring PN 16 pressure rating for chilled water/hot water circulation as specified				
66.1.1	65mm dia.	Each	2		
67	BALANCING VALVE WITH BUILT IN MEASURING FACILITY with C I body flanged construction with EPDM coated disc with long pitch with protected out pipe insulation & PN 16 pressure rating for chilled / hot water circulation as specified.				
67.1	65mm dia.	Each	1		
68	Y - STRAINER of Ductile CI Body flanged ends with stainless steel strainer for chilled / hot water circulation including insulation as specified.				
68.1	65mm dia.	Each	1		
69	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required	Each	2		
70	Providing & fixing in position the mercury in glass industrial type thermometers.	Each	2		
71	Supply, Installation, Testing and Commissioning of following sizes electronic, self-balancing, pressure independent type dynamic balancing valve with integrated 2 way modulating control valve in a single body. The actuator shall be capable of accepting upto 10V DC and upto 20mA electric signal and shall provide similar transduced feedback output to control system. Maximum close off pressure shall not be less than 6 Bar for upto 50 mm valves and 7 Bar for 65 mm & above. Valves should have pressure rating of 25 Bar minimum.				
71.1	65mm dia.	Each	1		
72	Supply, Installation, testing and commissioning of brass auto air vents with Ball Valve of 25 mm diameter to be installed at highest point in pipe line complete with nipples etc. as required as per specifications.	Each	1		
73	Supply, Installation, testing and commissioning of brass ball Valve (drain valve) of 25 mm diameter to be installed in pipe line complete with nipples etc. as required as per specifications.	Each	1		
74	Supply, Installation, testing and commissioning of 50 mm dia nominal bore 'B' class medium duty G.I. pipe conforming to IS 1239 including welding, fittings likes elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. complete in all respect for AHU condensate drain piping with 19 mm thick nitrile rubber insulation, nut-bolts, supports, pipe support	Metre	20		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	block etc. duly installed with 0.63 mm aluminium sheet cladding as required complete in all respect with fixing screws etc.				
75	Supply, Installation, testing and commissioning of 32 mm dia nominal bore 'B' class medium duty G.I. pipe conforming to IS 1239 including welding, fittings likes elbows, tees, flanges, tapers, nuts, bolts, gaskets etc. complete in all respect for water supply to ultrasonic humidifier.	Metre	20		
76	Supply, Installation, Testing & Commissioning of Electric tubular finned Heaters of 28 kW capacity in SS construction and three bank distribution, duly installed in AHU / Duct complete with mounting arrangement, safety thermostat, fan interlock device (air flow switch), SCR based controller, contactor, BMS Compatible (humidity control through BMS) etc. Heater should be ISI marked.	Each	1		
77	Supply, Installation, Testing & Commissioning of ultrasonic humidifier system (duly installed in AHU / Duct complete) operating at 240 volts / 50 Hz power supply and capable to provide 20 kg of Mist/Hr, SS Material, controller with BMS Compatible (humidity control through BMS) etc.	Each	1		
78	Supply, Installation, Testing & Commissioning of Air curtain of 6 feet size (1800 mm) to produce a high speed air barrier dividing areas into two independent temperature zones with minimum effective air throw of 10 feet, two Speed Operation (High / Low), magnetic proximity switch with controller for switch on/off based on door open/close etc. complete as required.	Each	3		
79	Fabrication, Supply, Installation, Testing, Commissioning of Outdoor floor mount type AHU control Panel with following specifications: CRC Sheet of 3.15 mm, Grey Colour with Incoming: 1 Incomer -200 Ampere MCCB/16KA 4 Pole. Panel must include R,Y,B Indicator, with 200 ampere aluminium busbar, 1No Digital Multi Function Metre / Digital Load Manager suitable to connect with Centre Energy Monitoring System/BMS through RS485 connection. Outgoing: Outgoing -2 Nos with 63 Ampere MCCB/16KA 4 Pole for supply motor - 11 kW, exhaust motor - 7.5 kW. All outgoing shall be with necessary MCB's, contactors, relays, illuminated push button for manual ON & OFF, indication lamps (for ON, OFF, TRIP Status), Auto/Manual selector switch. Outgoing -1 Nos with 100 Ampere MCCB/16KA 4 Pole for heaters - 28 kW (three bank distribution). All	Each	1		

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
	<p>outgoings shall be with necessary MCB's, contactors, relays, illuminated push button for manual ON & OFF, indication lamps (for ON,OFF,TRIP Status), Auto/Manual selector switch.</p> <p>Outgoings with suitable rating MCB's shall be considered for UVGI system, humidifier, fire damper etc.</p> <p>Necessary safety interlocks like AHU motor interlock with service door limit switch, fire damper interlock, supply & exhaust fan interlock, UVGI system, Humidifier and heaters interlocks with AHU).</p> <p>Potential free Contact (for supply motor, exhaust motor, fire damper, heater, humidifier etc.) to be provided for Connections to BMS.</p> <p>Note:-</p> <p>1. VFD (for motor speed control) with inbuilt PID controller for varying the speed of fan, along with DPT (0 to 3000 pa) sensor for measuring DP across fan and providing input to VFD. VFD to be installed/mounted in motor control panel.</p> <p>Capacity of VFD: 11 kW - 1 No. (for Supply motor) & 7.5 kW - 1 No. (for exhaust motor)</p> <p>2. Provision of MCB / Contactor for UVGI system, Humidifier, Fire damper etc. to be considered in AHU control panel.</p>				
80	Supply, laying, Testing and Commissioning of following size XLPE insulated armoured Cable (Galvanised wire / strip) 1100 V Grade including end termination with brass compression glands and lugs, saddle / support for cable etc. as required and as per IS 7098 (Part 1) 1988 with upto date amendments on surface / cable tray as required and as directed by Engineering incharge (Compulsory ISI marked) (Cables for incoming to AHU control panel & outgoing cables for supply motor, exhaust motor, UVGI, limit switch, fire damper, heater, humidifier etc.)				
80.1	armoured aluminium cable 3.5 C X 95 sq. mm	Metre	100		
80.2	armoured copper cable 4 C X 10 sq. mm	Metre	10		
80.3	armoured copper cable 4 C X 6 sq. mm	Metre	60		
80.4	armoured copper cable 4 C X 4 sq. mm	Metre	10		
80.5	armoured copper cable 4 C X 1.5 sq. mm	Metre	40		
80.6	armoured copper cable 2 C X 1.5 sq. mm	Metre	20		
81	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				

Sl. No.	Item Description	Unit	Qty	Rate inclusive of GST (in Rs.)	Amount inclusive of GST (in Rs.)
81.1	225 mm width X 50 mm depth X 1.6 mm thickness	Metre	30		
	Total Amount (inclusive of GST)				

Note:-

1. The quantity mentioned above is only estimated/tentative quantity.
2. Quantity of items during the contract period may vary on higher side or lower side.
3. Submission in any other format may result in cancellation of the offer.
4. All tools and tackles to be arranged by the bidder. Nothing will be provided by the Institute.
5. Evaluation of Financial bids will be based on total amount (including taxes, freight charges, installation charges etc.) i.e. Quoted by the bidder. No extra amount will be paid to bidder for any activity.
6. **Heat Load Calculations and Equipment Selection: -**
 - i) The successful bidder/ contractor should give detailed heat load calculations, immediately after award of work separately for all the seasons in which, the specified conditions are to be maintained.
 - ii) The successful Bidder/Contractor should also give the above heat load calculations wherever required separately for the areas served by each AHU in a central air conditioning/ heating system.
 - iii) The equipment selection and duct design shall be made on the basis of the above heat load calculations wherever required.
 - iv) The Contractor can refer and utilize the design done by the department/ consultants for the department, however, there shall be no commitment to provide the same to the contractor, nor the contractor shall be absolved of the responsibility of correct design and performance of the air-conditioning system provided by him.