

TENDER

FOR

SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh.

Tender No.: 08/EE/AC&R/2022-23



All India Institute of Medical Sciences Rishikesh 249202 Uttarakhand India. Office of

Superintending Engineer, AIIMS Rishikesh. Tel No. 0135-2462954,

Email: - engg.aiims.rishikesh@gmail.com & eeacr@aiimsrishikesh.edu.in

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

The Executive Engineer, AIIMS Rishikesh on behalf of Executive director, AIIMS Rishikesh invites item rate e-tenders two envelop (eligibility criteria + price bid) single bid system from eligible Specialized agency having experience of similar works i.e. "SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh."

S. no	NIT No.	Name of work & Location	Tender Fees	Estimated cost put to bid (Rs.)	Earnest Money (Rs.)	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	08/EE/AC&R/2022-23	SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh	Nil	83,46,545/-	1,66,931/-	90 days	28.02.2023	At 03:00 PM on 15.03.2023	Up to 03:00 PM on 29.03.2023	Up to 03:00 PM on 30.03.2023

1. 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
2. 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.
3. This information and instructions for bidders posted on website shall form part of bid document.
4. 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>
5. 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.
6. Those contractors are not registered on the website mentioned above, are requested to get

registered beforehand.

7. The intending bidder must have valid class-III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
9. 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/Bank Guarantee in favor of "Executive Director, AIIMS, Rishikesh" drawn on any Nationalized Bank/ Scheduled Bank and payable at 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 security deposit @ 3% against performance guarantee of contract value in the form of Fixed Deposit/Bank Guarantee/Term Deposit from any Nationalized/Schedule bank duly pledged in favour of "Executive Director, AIIMS, Rishikesh" & payable at Rishikesh only and must remain valid up to sixty days beyond the stipulated date of completion or the extended period, thereof. 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/Term Deposit/Copy of deposit of EMD in the institute account /Fixed Deposit Receipt/ 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).**
 - IV. Annual Financial Turnover should be at least 30% of the estimated cost put to tender during the immediate last three consecutive financial years, duly audited and certified by the chartered Accountant.**
 - 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.**
 - 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**
- 17.** Only Authorized 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.

CPWD – 6

**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 envelop (eligibility criteria + price bid) single bid system from eligible Specialized agency having experience of similar works i.e. "SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh".

1.

- 1.1. The work is estimated to Cost Rs. **83, 46,545/-**. 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. 33,38,618** or two similar work each of value not less than **Rs. 50,07,927** or one similar work of value not less than **Rs.66,77,236** 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 MGPS work".

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

- I. Demand Draft/Fixed Deposit/Term Deposit/Copy of deposit of EMD in the institute account /Fixed Deposit Receipt/ 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).
 - IV. 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.
 - 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.
 - 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
2. An Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/8 (**or other standard Form as mentioned**) which is available as a Govt. of India Publication and 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/Bank Guarantee (drawn in favour of "Executive Director, 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 guarantee of 3% (Three Percent) or as per guidelines of ministry of finance and Department of expenditure of the bid amount within the period specified in Schedule F and must remain valid up to sixty days beyond the stipulated date of completion or the extended period, thereof. 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 7/8 or other Standard C.P.W.D. Form as applicable.
 - (c) C.P.W.D General Condition of Contract (Construction work) -2020 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.
20. **Integrity Pact:** The contractor shall download the Integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule-F. In the event of his failure to sign and upload the Integrity Pact along with other bid documents, his bid shall be rejected.

CPWD – 7/8

**GOVERNMENT OF INDIA
AIIMS Rishikesh**

Percentage Rate Tender /Item Rate & Contract for Works

Tender for the work of: - "SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh".

- (i) Last date to be uploaded by 15:00 Hours on 29.03.2023 at <https://eprocure.gov.in>.
- (ii) To be opened in presence of tenderers who may be present at 15:00 Hours on 30.03.2023 in Tender 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 1,66,931.00** 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.:- 49-50

अनुसूची 'ख' **SCHEDULE 'B'**
ठेकेदार की निर्गत की जाने वाली सामग्रियों की अनुसूची
Schedule of materials to be issued to the contractor.

Nil

अनुसूची 'ग' **SCHEDULE 'C'**
ठेकेदार को भाड़े पर दिए जाने वाले औजार एवं संयंत्र

Tools and plants to be hired to the contractor

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

NIL

अनुसूची 'द' **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 'इ' **SCHEDULE 'E'**
ठेके की सामान्य शर्तों का संदर्भ
Reference to General Conditions of contract

General conditions of contract for CPWD works 2020
(Construction work) as amended upto date and special
conditions attached herewith the tender document
except clause-25.

Name of work:	:-	"SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh".
कार्य की अनुमानित लागत Estimated cost of work	:-	83, 46,545/-
(i) धरोहर राशि Earnest money	:-	1,66,931/-
(ii) निष्पादन गारंटी Performance guarantee	:-	3% of tendered value. निविदित मूल्य का 3 प्रतिषत
(iii) प्रतिभूति निक्षेप Security Deposit:	:-	2.5% of tendered value. निविदित मूल्य का 2.5 प्रतिषत

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश

General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी

Officer inviting tender –

CPWD General Specification for MGPS 2022 including latest amendments

EE (AC&R), AIIMS Rishikesh

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

EE (AC&R) , 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 प्रतिषतता
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

2(xii) Department:

AIIMS Rishikesh

9(ii) Standard CPWD contract Form:

GCC Construction work 2020, CPWD Form 7/8 modified & Corrected up to Correction slip received on the date of receipt of tender.

खण्ड Clause 1

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

15 Days

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.

(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

**Superintending Engineer, AIIMS
Rishikesh
EE (AC&R), AIIMS Rishikesh**

खण्ड Clause 2A

क्या खण्ड 2 क लागू होगा

Whether clause 2A shall be applicable

No

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:

कार्य निष्पादित करने के लिए अनुमत्य समय

Time allowed for execution of work

N.A

90 days

Authority to decide

(i) Extension of Time

EE (AC&R), AIIMS Rishikesh

(ii) Rescheduling of mile stones

N.A

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

EE (AC&R), 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

N.A

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.

~~Clause 10CC to be applicable in DELETED with stipulated period of compensation exceeding the period shown in next column :.....Months~~

खण्ड Clause11

कार्य निष्पादन के लिए अनुपालन Specifications to be followed for execution of work **CPWD General Specification for MGPS 2022 including latest amendments**

खण्ड Clause 12

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

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी **EE (AC&R)**
Competent Authority for deciding reduced rates

खण्ड Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी औजार एवं सयंत्रों की सूची **To be Arrange by contractor**
List of mandatory machines, tools and plants to be deployed by the contractor at site.

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		Minimum experience (Years)	Designation Technical staff	Rate at which be made from the contractor in the event of not fulfilling
	Qualification	Number			

Sub: - Amendment in general conditions of contractor (GCC) maintenance works -2020
The following provision of GCC-2020 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 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 2020 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_2020.pdf

INTEGRITY PACT

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

Sub: SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh.

It is here by declared that AIIMS Rishikesh is committed to follow the principle of transparency, equity and competitiveness in public procurement.

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

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

Yours faithfully,
Executive Engineer (AC&R)
AIIMS Rishikesh

OFFER FORWARDING LETTER/TENDER SUBMISSION LETTER

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

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

Sub: SITC for additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh.

Dear Sir,

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

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

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

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

Authorised Representative of Bidder

Signature: Name

: Address :

Place: Date:

INTEGRITY AGREEMENT

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

BETWEEN

AIIMS Rishikesh represented through Executive director.....

(Name of Division) AIIMS Rishikesh, (Hereinafter referred as the (Address) 'Principal / Owner', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns).

AND

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

Through(hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal /Owner has floated the Tender (NIT No.....) (hereinafter referred to as "Tender/Bid") and intends to award, under laid down organizational procedure, contract for (Name of work) Hereinafter referred to as the "Contract".

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

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

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal / Owner.

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

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

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

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

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC) / Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal / Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder (s) / Contractor (s).

1) It is required that each Bidder / Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

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

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

b) The Bidder(s) / Contractor (s) will not enter with other Bidder (s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s) / Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s) / Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents / representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.

e) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose **(with each tender as per performa enclosed)** any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s) / Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake / forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

5) The Bidder(s) / Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his / her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach.

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

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

3) Forfeiture of Performance Guarantee / Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of, Performance Guarantee and Security Deposit of the Bidder / Contractor.

4) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression.

1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holding listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

1) The Bidder(s) / Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder / Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub- contractors/sub-vendors.

2) The Principal / Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal / Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact.

This Pact begins when both the parties have legally signed it. It expires for the Contractor / Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, Executive director, AIIMS Rishikesh.

Article 7- Other Provisions.

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

Article 8- LEGAL AND PRIOR RIGHTS.

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

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

(For and on behalf of Principal/Owner)

Executive Engineer (AC&R)
AIIMS, Rishikesh,

(For and on behalf of Bidder/Contractor) WITNESSES:

1 (Signature, name and address)

2 (Signature, name and address)

Place: -

Dated:

TREMS AND CONDITIONS

1. The work shall be carried out strictly in accordance with CPWD specifications for MGPS 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 shall be made while releasing payment through running/final bills as applicable. A certificate specifying the rate and amount of deduction shall however be issued.
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 **3% or as per the guidelines** of the contract value as Performance Bank Guarantee. The Performance bank guarantee should be furnished within 15 days from the date of Letter of acceptance to the contractor. Performance bank guarantee may be furnished in the following forms:

-
- a) Bank Guarantee from Scheduled Banks/Public Financial Institutions as defined in the Companies Act. in the form of **FDR only**.
- b) The Bank Guarantee shall not carry any interest.
- c) The Performance Bank Guarantees should **remain valid up to sixty days beyond the stipulated date of completion or the extended period, thereof and the same shall be kept valid by proper renewal till the acceptance of Final Bills of the Contractor, by AIIMS and same will be release after sixty days of Successful completion of work and satisfaction of Engineer-in –charge.**
- d) It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period as may be advised by AIIMS. AIIMS shall not be liable for issue of any reminders on expiry of the Bank Guarantees.
- e) In case the Bank Guarantees are not extended before the expiry date, AIIMS reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder/contractor.
- f) 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 or services 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: -

Security Deposit 2.5 % of tendered value will deduct by the AIIMS Rishikesh, the following shall be complied with:

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

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:-

- 70% against supply of material with submission of MOC/Test certificates, e-way bill etc.
- 20 % against successful Installation
- 10% against Testing and commissioning & Successful handover of facility

Payment will be made as per terms and conditions of tender document.

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) (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_2020.pdf **respective amended are attached at page no 18.**

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 RISHIKESH-

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: Additional Medical Gas Pipe Line System (MGPS) work at AIIMS Rishikesh.

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 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 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 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 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	2019-2020	2020-2021	2021-2022
Gross Annual Turn Over			
Average turn-over of three years			

II) Profit / Loss for last Five years ending 31.03.2022: -

S.No.	Financial Information in Rs. Equivalent	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
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

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	Integrity Pact (duly filled & signed)	Yes/No	
12	Annexure-1 (duly filled & signed)	Yes/No	
13	Annexure-2 (duly filled & signed)	Yes/No	
14	Annexure-3 (duly filled & signed)	Yes/No	
15	Annexure-4 (duly filled & signed)	Yes/No	
16	Annexure-5 (duly filled & signed)	Yes/No	
17	Annexure-6 (duly filled & signed)	Yes/No	
18	Annexure-7 (duly filled & signed)	Yes/No	
19	Check list filled (duly filled & signed)	Yes/No	

Signature of Bidder(S) with 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 testing/commissioning/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

TECHNICAL SPECIFICATION OF MEDICAL GAS PIPELINE SYSTEM

Technical Specification:

APPLICABLE STANDARDS FOR MGPS

The complete Medical Gas Pipe Line System must follow the specifications as described herein in this document, amended upto date. In case of further detailed specification/ additional details are required, the specifications shall be referred in the following order of preference:

- 1st) HTM 02-01,
- 2nd) ISO 7396-1,
- 3rd) NFPA99.

The preference shall be to follow Single Standard as specified above for the relevant equipment except Copper Pipe, for which related standards as described shall be applicable.

1. DISTRIBUTION PIPING

a) Piping specifications

Copper pipe shall be as per standard BS: EN 13348:2008/ ASTM B819 standards, Solid drawn, seamless, deoxidized, non-arsenical, half hard (hard can be accepted only for sizes 54mm or more), tempered and degreased copper pipe conforming to the standard. All copper pipes shall be degreased & delivered capped at both ends. The pipes shall be accompanied with manufacturers test certificate for the physical properties & chemical composition.

Copper pipe must have reputed third party inspection certificate (Eg. Lloyd's, TUV, or SGS).

Fittings shall be made of copper and suitable for a working Pressure of up to 17bar and especially made for brazed socket type connections. All valves shall be pneumatically tested for twice the working pressure and factory degreased for medical gas service. Copper fittings shall comply with EN 1254:1 factory degreased and brazing filler metals shall comply with EN 1044. Fitting shall be degreased, individually packed for medical use.

The minimum thickness of copper pipes of 35mm and above outer diameter shall be 1.2mm and the thickness of copper pipes less than 28mm outer diameter, shall be 1mm as mentioned in respective hospital/ site requirement.

b) Installation & testing

Installation of piping shall be carried out with utmost cleanliness. Only pipes, fittings and valves that have been degreased and fittings shall be used at site. Pipe fixing clamps shall be of nonferrous or non- deteriorating plastic suitable for the diameter of the pipe. Inert gas welding technique shall be used by passing oxygen Free Nitrogen Gas inside the copper pipes during silver brazing, in order to avoid carbon deposition inside the copper pipes. Only copper-to-copper joints are permitted on site except threaded or flanged joints may be made where pipelines are connected to items such as valves and control equipment. No flux shall be used for joining Copper to Copper joints and on for joints made on site. Copper to copper joints shall be brazed using a 5% silver-copper phosphorous brazing alloy CP104. A total of 5 joints shall be cut out for examination to establish the quality of the joints being made on site. The insides shall be clean and free from oxides and particulate matter and the minimum penetration of the brazing alloy at any point shall be three times the wall thickness of the tube. If the joints examined do not conform to these requirements, then adjacent joints shall be cut out and examined until the extent of faulty workmanship has been made good. Copper-to-brass or gunmetal joints shall only be made under controlled conditions off site. The joints are ordinarily used to join short copper pipe tails to brass, gunmetal or bronze fittings to permit their connection into the pipeline.

Adequate supports shall be provided while laying pipelines to ensure that the pipes do not sag. Suitable sleeves shall be provided wherever pipes cross through walls / slabs. All pipe clamps shall be non-reactive to copper.

After erection, the pipes are to be flushed with dry nitrogen gas and then pressure tested with dry

nitrogen at a pressure equal to twice the working pressure or 150 psig, whichever is higher for a period of not less than 24 hours. Length and quantity of individual items (Copper pipes, AVSUs, Alarm panels, Isolation valves, Outlets, pendants etc.) are to be provided as per the quantity stated in the NIT. For the EPC contract, the complete layout of different items including copper piping needs to be prepared to meet specific site requirements in conformity to the applicable standards and NIT and submitted for approval of the department and execution taken up accordingly thereafter as per the approved design and scheme.

Maximum interval between supports (Horizontal and Vertical) (12mm Pipe - 1.5m, 15mm pipe - 1.5m, 22mm pipe - 2m, 28mm pipe - 2m, 35mm pipe - 2.5m, 42mm pipe - 2.5m, 54mm pipe - 2.5m, 76mm pipe - 3meter)

NOTE: The interval between supports should be as per applicable standards.

c) **Painting**

All the pipes from manifold/plant up to the outlets shall be painted with two coats of synthetic enamel paint and colour codification shall be as per standards followed and with consultation with competent authorities of the hospital/ department.

2) Oxygen Flow meter with Humidifier Bottle for other than ICU area

Back Pressure Compensated flow meter for accurate gas flow measurement with following features:
Control within a range of 0-15 LPM.

It shall meet strict precision and durability standard.

The flow meter body shall be made of brass chrome plated materials.

The flow tube and shroud components shall be made of clear, impact resistant polycarbonate.

Flow tube shall have large and expanded 0-15 LPM range for improved readability at low flows.

Inlet filter of stainless steel wire mesh to prevent entry of foreign particles

The humidifier bottle is made of unbreakable & reusable polycarbonate / polysulfone material autoclavable at 121 degree centigrade.

Oxygen Flow meter & Humidifier Bottle for ICU

The graduated scale should have an oval shape this allows a "lens effect" get the scale values easy-reading in any condition of use.

I/O switch button green and red allows the operator to quickly lock and reactivate the flowmeter gas supply, keeping unchanged the previous flow preset value.

When the flowmeter is not working, the green button is visible and pushing it, the flow is activated.

On the contrary, to stop the flow, the red button must be pushed.

It should have ADJUSTING KNOB WITH PUSH & LOCK SYSTEM: it keep locked the pre-set flow value.

To adjust the flow pull the knob, set the flow value you need to deliver to the patient and push the knob to lock the selected value.

The flowmeter should have an integrated pressure reducer for the stabilization of supplied pressure at 2.8 bar, to guarantee always and in any condition the flow accuracy of the device. The flowmeter can be used in any hospital with different pressure from the plants and it is not necessary to calibrate it.

The outlet nipple should have a double thread interchangeable by the end user. The flowmeter should have 50 mm adjusting knob with soft grip inserts for easy handling

The humidifier should completely made of polycarbonate and it can be sterilized in autoclave at 121 °C for 15 min

For the inlet connection it should have some snap inserts, identified with color-code, with different threads to be chosen by the end user

An ergonomic and big size rotating nut allows to easily connect and disconnect the humidifier to the oxygen supply device, the 360° rolling positioning hose connector $\varnothing 6\div 9$ mm allows an easy use of the humidifier.

The bottle should have hollow shape, besides being a design unique element, offers the operator an easy and safe handling. The humidifier should have an integrated relief valve.

3) Area Valve Box or Zonal Valve Box.

Valve boxes shall be constructed of 18-gauge mild steel/aluminum with powder coated white enamel finish. The valve box shall have a sliding, opaque door with pull ring and clear gauge window. The removable window cannot be replaced when any valve is closed. The frame assembly shall be capable of adjusting for variances in wall thickness up to 1". The window shall conceal piping and mounting screws. Window shall be labeled "Caution Medical Gas Isolation Valves - Close Only in Emergency." Provide clear viewing space in the window to display the gas service, the pressure gauges and the label for areas controlled by the valve. Gas Valve box configuration up to 7 Valves fitting inside the Valve Box. All Medical Gas Valves along with Gauges shall be incorporated with Valve box.

All wetted parts (except seals and gaskets) shall be brass or copper. Each unit assembly shall be factory tested for gas tightness. Rubber pipe grommets shall be provided to ensure any leaking gas does not escape from the unit into a wall cavity. All visible aluminum surfaces shall be powder coated.

4) Medical Gas Area Alarm

The medical gas central alarms shall be capable of monitoring up to 6 medical gas services (As specified in BOQ of respective institute) by means of pressure sensors which detect deviations from the normal operating limits of either pressure or medical vacuum. The area alarm shall have a digital display of pressures. The medical gas area alarm shall fully satisfy the HTM 02-01/ ISO 7396-1/ NFPA 99 C requirements. An audible warning shall sound simultaneously with any failure indication and a mute facility shall be provided. "

It should have each gas service shall be displayed on LCD touch screen Panel. The area alarm should be controlled by LCD display touch screen size minimum 5inch size. An audible warning shall sound simultaneously with any failure indication and a mute facility shall be provided. Following a mute selection, the audible will resound after approximately 15 minutes or shall operate simultaneously should a further alarm condition occur. A "Mute" switch shall be provided inside the panel for use during any maintenance resulting in prolonged pipeline or plant shutdown. This facility shall automatically reset when the gas service returns to normal. The alarm panel shall have a 'Test' facility to prove the integrity of the internal circuits, visual and audible warning. The alarm panel shall incorporate a volt free normally closed relay to allow for interconnection to either a medical gas central alarm system or an event recording circuit of a building management system. In the event of an electrical power supply failure the 'System Alarm' LCD panel shall illuminate (flashing) and the audible warning shall be delayed for 30 seconds to enable standby generator tests. Line continuity monitoring circuits shall be provided to constantly monitor the integrity of the input sensors and interconnecting wiring. In the event of any fault the line continuity monitoring circuits shall initiate the specific gas service failure indication, a 'System Alarm' indication and an audible warning. Further aids to fault diagnosis shall be provided by means of varying flashing rates whilst operating the 'Test' switch. It should be connected through Pressure and Vacuum Switches: Pressure and vacuum switches shall be manufactured with brass wetted parts and house a PCBA with line continuity monitoring resistors. Electrical connectors shall be designed for frequent disassembly. Spade connectors are not acceptable. Pressure switches shall include both high and low-pressure settings in the same switch. The body and housing of the pressure switch shall be manufactured from impact resistance, rigid and inherently corrosion proof materials. Pressure switches shall connect directly to the area alarm panel. It is not acceptable to fit a separate connection box to convert switch signals to a data signal. Each gas service shall be displayed by coloured LEDs to show 'Normal' (green), 'Low' and 'High Pressure' (red) conditions. Medical vacuum systems shall be displayed in the 'Normal' (green) and 'Low Vacuum' (red) conditions only. Failure indicators shall be displayed by flashing lights and normal indications shall be steady. The emissions from alarms should conform with EMC standards or as per guideline of standard to be followed. All MGPS warning and alarm indicating panels, including all operating room panels should comply with the requirements of specific standard as mentioned herein/ NIT.

5) GAS OUTLETS

Terminal Units (Gas Outlets) with probes/Adaptors for O₂, N₂O, Compressed Air 4, Air 7, AGSS, Vacuum & CO₂ (CO₂ can be optional depending on the requirement).

Terminal units installed in walls, bedhead trunking, headwalls or fixed pendants shall be connected to the pipeline with a copper stub pipe. Pressure gases shall incorporate a 12mm O/D copper stub pipe. Terminal units for vacuum and anaesthetic gas scavenging shall incorporate a 15mm O/D copper stub pipe. These terminal units must be in two fixes to have valve assembly.

Each terminal unit shall consist of a primary valve (or assembly) and shall be permitted to include a secondary valve. The secondary valve shall close automatically to stop the flow of gas (or vacuum, if provided) when the primary valve is removed. Front Loading Type Terminal Outlets shall be designed to dispense medical gases (or inlet for medical vacuum) to the secondary equipment (flow meters, Suction regulators, etc.) at the point of use and is gas specific so that secondary devices cannot be "attached" to the wrong gas. When not in use the gas in a non-flowing state within the Outlet (Terminal unit) sealed by "O" ring. The adapter when inserted pushes the poppet inside and the gas starts flowing and sealing is ensured by the "O" ring or a seat. The Outlets are Quick Connect Type and gas specificity is accomplished by "Pin indexing." The outlets shall have following features:

- Push to insert and press-to-release mechanism for probes.
- Allows plugging of probes from front.
- Self-sealing valve on disengaging the probe (Quick disconnect)
- Smooth quiet action.
- Non return valve for on line servicing/ repairing
- Indexed to eliminate inter-changeability of gas services
- Color-coded gas specific front plate
- Totally leak proof, safe & easy to operate
- Configurations possible: surface, flush & Bead-head.
- All outlets shall have respective labels (i. e. O₂ / N₂O / CO₂ / Air 4 / Air7/Vacuum/AGSS/etc.) displayed accordingly.

The medical gas terminal units shall conform to BS EN ISO 9170-1 and accept probes to BS5682. Terminal units shall be capable of single-handed insertion and removal of the medical gas probe. The anaesthetic gas scavenging (AGS) terminal unit shall conform to BS6834.

OR

Terminal units conform to gas specific dimensions and connection requirements stated in DIN 13260-2. Components are designed and manufactured in accordance with BS EN ISO 9170 for medical gas distribution systems.

Terminal units installed in walls, bedhead trunking, headwalls or fixed pendants shall be connected to the pipeline with a copper stub pipe. Pressure gases and vacuum shall incorporate minimum 12mm O/D or more copper stub pipe. Terminal units for anaesthetic gas scavenging shall incorporate minimum 15mm O/D copper stub pipe.

Medical gas terminal units consist of two parts: First fix – the wall mounted assembly consists of brass pipeline termination block with copper stub pipe secured between a back plate and a gas specific plate to allow 130 degrees radial movement of the copper stub to align with the pipeline. The second fix components shall be manufactured with the pin index permanently moulded into the gas specific socket. The socket assembly shall retain a capsule assembly, containing the check valve and probe 'O' ring seals. Second fix terminal units shall be supplied with the anti-rotation pin loose and bagged to be fitted as required. The socket is fixed to the base block with a design that ensure profile is always in the correct position. Probes are gas specific connectors that couple to the medical gas terminal unit sockets to provide access to gas systems. The replaceable capsule assembly shall enable all working parts subject to wear through usage to be replaced as a factory tested assembly, thereby reducing maintenance time. Each termination block assembly shall be pressure tested by the pressure decay method.

6) Medical Gas Shut of Valves or Line Ball Valves or Isolation Valves

The Lockable line valves must be degreased and complete valve with stuffed pipe & fittings, factory

tested and compliant with applicable standard.

- a) All Medical Gas Valves shall be specially prepared for oxygen service and shall conform to latest international standard. Valves shall be ball-type, with Teflon seats and adjusting stem packing gland with Teflon stem seal.
- b) Ball Valves shall operate from the fully open to the fully closed position by manual operation of a lever through 90°. Valve nominal bores shall be equal to the nominal pipework size.
- c) Furnish and install only valves with factory brazed Copper stub pipes shall be manufactured from medical grade copper pipe to BS EN 13348:2001 which should be Lloyds/SGS/TUV/DNVGL certified or any accredited third-party certified agency.
- d) Ball valve shall be provided with locking handles.
- e) All valves shall be cleaned for oxygen, capped and sealed in a polyethylene bag for shipping and storage.
- f) Apply labels to each valve in the assembly for gas service identification according to manufactures recommendations.
- g) Medical gas line ball valve assemblies shall be constructed in a two-piece full-bore design with brass body, Teflon ball seals, stem packing seal, stem 'O' ring seal and a hard chrome plated brass ball. Medical gas line ball valves complete with lockable NIST connections.
- h) Ball Valve sizes 15 to 54mm inclusive shall have flat-face connectors with 'O' ring seals. The 76 to 108mm inclusive shall be flanged and installed with stainless steel bolts, nuts and spring washers with sealing gaskets. PTFE tape or any other thread sealing media is not acceptable.
- i) All Medical Gas Valves should be factory tested and certified from OEM. Performance reports (Valve Size, Torque, Working pressure and material certification) has to be submit by the bidder on behalf of OEM.

7) Horizontal/ Vertical Bed Head Panel

The design shall be approved by the respective hospital authority/ department before installation and it is responsibility of the bidder after getting order they have to interact with respective hospital authority/ department and finalize the Bed Head Panel (Vertical/Horizontal) as per site condition. Vertical BHP shall be upto False Ceiling Level and all outlets and sockets shall be located at a height of 1050-1250 mm from FFL, as per the site conditions. Horizontal BHP shall be of maximum 1000mm for 2 Gas outlet configuration, maximum 1200mm for upto 4 outlets configuration and maximum 1500mm for 6 Outlet configurations and maximum 1800mm for 8 Outlet configurations.

- a) It shall have following features:-
Efficient, Safe & Robust design in extruded aluminium section. Smooth curved surfaces, and choice of base colour and fascia plates. Unit shall have integrated rail system to mount accessories
The headwall system shall be constructed of aluminium extrusions joined together to form a carcass to suit the particular application. Unit shall be factory assembled for electrical and mechanical components.
Segregation of services i.e. Low voltage supplies, High Voltage supply and Medical gases shall be maintained with minimum 2/3 tier/2/3 channel arrangements with built-in LED Lighting (with ON/OFF control)
Front fascia plate shall be removable individually to access for respective service.
- b) It shall have one rail for mounting Accessories.
Each bed-head unit shall be supplied with electrical and electrical outlets pre-fitted, wired and certified.
- c) Shall have per unit as under:
Oxygen – 2
Vacuum – 2 Medical Air-1
Holder for vacuum collection jar –1
Nurse call switch – 1 (not in the scope of MGPS Vendor only space for same has to provide)
5 /15A combined Electrical socket with switch – minimum 4 Nos. with 2 outlet combination, 6 Nos. with 4outlet combination and 8 Nos. with 6/8 outlet combination

RJ-45 socket/ Ethernet -01
Two spare spaces.

8) Ward Vacuum Units (other than ICU area)

(a) It must consists of the following:-

- i. 1no of Suction Regulator and 1no of 1000 ml polysulfone /polycarbonate collection jar.
- ii. Suction regulator (Digital/Analogue): Suction regulator shall be supplied with a safety jar, including and antibacterial filter and an anti-overflow safety device. Shall have wide membrane continuous suction controller.
- iii. Shall have vacuum levels: 0-750 mm Hg or more
- iv. Shall have vacuum gauge fitted with a protective bumper device.
- v. Shall have on/off knob allowing for the quick restoration of a readjusted vacuum level.
- vi. Must have central adjustment knob with a color coded for 0 to 750 mm Hg or more. Shall have Polysulfone/ polycarbonate 100cc safety jar, autoclavable at 121° C at 5mins, unbreakable, fitted with an anti-overflow safety device and equipped with antibacterial filter. It shall be totally transparent, to ensure perfect sucked liquid visibility.
- vii. Low flow ward vacuum unit - Shall have vacuum levels: 0-150 mm of Hg ± 10%

b) Ward Vacuum Units (for ICU area)

It must consists of the following:-

- i. 1no of Suction Regulator and 1no of 1000 ml polysulfone /polycarbonate collection jar.
- ii. Suction regulator (Digital/Analogue): Suction regulator shall be supplied with a safety jar, including and antibacterial filter and an anti-overflow safety device. Shall have wide membrane continuous suction controller.
- iii. Shall have vacuum levels: 0-750 mm Hg or more
- iv. Shall have vacuum gauge fitted with a protective bumper device.
- v. The digital vacuum regulator should have a digital vacuum gauge with monochromatic LCD display, it is available with three possible end of scale: -250 mbar, -600 mbar and - 1000 mbar.
- vi. The scale should be able to set in mbar/hpa or mmhg by the end user
- vii. The numerical display should show the vacuum value and a sector bar proportional to the adjusted de-pressure. The reading resolution is 1 mbar/hpa (1 mmhg).
- viii. The frontal part of the digital gauge should be equipped with 3 buttons: one to switch ON/OFF the vacuum regulator, the other 2 for various settings such as: set the timer for the automatic switch off of the regulator; select the unit scale (mbar/hPa or mmHg); set up a preferred vacuum value; zeroing the device at any time.
- ix. The device should have a quick I/O switch button that allows the operator to quickly lock and reactivate the vacuum, keeping unchanged the previous preset value. When the device is suctioning, the red button is outside and by pushing it, the operator can stop the vacuum at any time. While, to reactivate the vacuum, at the same pre-set value, the operator have to simply push the green button (visible when the device is not working).
- x. A vacuum adjustment knob with Soft Grip inserts for an easy handling with a "Push & Lock" position system, the operator have to pull the knob, by rotating it regulate the level of vacuum needed and then push the know to lock the selected value.
- xi. Suction jar should be made of Polysulfone/polycarbonate autoclave up to 121°C. The jar capacity is 1000 ml . The float & cap assembly includes a patient port inlet that is horizontal to help prevent kinking of suction tubing . All collection bottle assemblies allow visual inspection of fluid level, color & consistency & can be steam autoclaved or gas sterilized. Polycarbonate bottles offer the additional advantage of eliminating breakage.

c) Theatre Vacuum unit for OT

It must consist of the following: -

Suction Regulator (Digital/Analogue) and 2nos. 1500ml or more polysulfone/ polycarbonate collection jar and both to be mounted on a trolley.

In case of digital suction regulator, battery shall be replaced by the bidder during warranty & CMC period

Theater Suction Trolley

- i. Theatre Suction Trolley shall be Certified as per Class I of Medical Device Directives (93/42/EEC) & CE marked. It should be manufactured in an ISO 13485:2003 quality management system duly certified constructed in accordance with the requirement of international standard. It will be trolley mounted. The unit will include one regulator having gauge and mounted on the trolley stand, having two reusable each 2000 ml plastic collection bottles mounted on the base of trolley unit and connected with regulator & low pressure tube inter-connections. Safety Jar 200 cc to be provided with regulator. The collection jar is made of unbreakable material, which is fully auto cleavable at 121 Degree Centigrade. The jars shall be mounted on mounted on Stainless Steel Trolley (SS304 material) having four (4) free moving castor wheels, with ii. Stable base design and an easy grip handle.
- ii. Suction Regulator: Suction regulator shall be supplied with a safety jar, including an anti-bacterial filter and an anti-overflow safety device. Shall have wide membrane continuous suction controller
- iii. Shall have vacuum levels: 0-750 mm of Hg or more
- iv. Shall have vacuum gauge fitted with a protective bumper device.
- v. Shall have on/off knob allowing for the quick restoration of a readjusted vacuum level.
- vii. Must have central adjustment knob with a color coded for 0-750 mm Hg or more. Shall have polysulfone/ polycarbonate safety jar, autoclavable at 121° C, unbreakable, fitted with an anti-overflow safety device and equipped with antibacterial filter.
- vii. Collection jar shall be totally transparent, to ensure perfect sucked liquid visibility.

9) High pressure tubes for O2, N2O, Compressed Air, & Vacuum

It shall be colour coded for individual services i.e. white for Oxygen, Blue for N2O and Yellow for Vacuum, Black for air. Antistatic rubber tube shall be as per ISO standards. (The 200m Hose- Gas wise requirement shall be taken from respective institute before supply total lengths shall be 200m inclusive of all type. If institute requires more than payment will be made on actual basis as per finalized BOQ rate)

For Detailed Specifications Refer: CPWD General Specification for MGPS 2022
(<https://cpwd.gov.in/Publication/MGPS2022.pdf>)

Submittals:

- Test/MOC Certificates
- E-way Bills
- As-Built Drawings with pipe size & valve locations etc.

Financial Bid
SCHEDULE OF RATES
(To be submitted in Financial Bid)

Sl. No.	Name of Items	Unit	Qty	Rate Inclusive of GST (in Rs.)	Amount Inclusive of GST (in Rs.)
1	Supplying, laying, testing and commissioning of Copper pipe as per standard BS: EN 13348:2008/ ASTM B819 standards, Solid drawn, seamless, deoxidized, non-arsenica1, half hard (hard can be accepted only for sizes 54mm or more), tempered and degreased copper pipe conforming to the standard. All copper pipes should be degreased & delivered capped at both ends of required sizes, compliant to the specifications:				
1.1	42mm OD X 1.2 mm thick	Metre	150		
1.2	35mm OD X 1.2 mm thick	Metre	1		
1.3	28mm OD X 1 mm thick	Metre	962		
1.4	22mm OD X 1 mm thick	Metre	957		
1.5	15mm OD X 1 mm thick	Metre	1172		
1.6	12mm OD X 1 mm thick	Metre	255		
2	LINE ISOLATION VALVES: Supply, Installation, testing and commissioning of Line Isolation Valves as per specification.				
2.1	42 mm ball valve	Each	4		
2.2	35 mm ball valve	Each	1		
2.3	28 mm ball valve	Each	10		
2.4	22 mm ball valve	Each	17		
2.5	15 mm ball valve	Each	42		
2.6	12 mm ball valve	Each	20		
3	Gas Outlet Points/ Terminal Units with probe/ adaptors: Supply, Installation, testing and commissioning of Gas outlet points for Oxygen, Nitrous Oxide, Medical Air 4 Bar, Vacuum, Co2 and AGSS as per specification.				
3.1	Oxygen outlet with probe	Each	132		
3.2	Nitrous Oxide outlet with probe	Each	2		
3.3	Medical Air 4 bar outlet with probe	Each	72		
3.4	Vacuum outlet with probe	Each	77		
3.5	Medical Air 7 bar outlet with probe	Each	1		
3.6	CO2 outlet with probe	Each	3		
3.7	AGSS outlet with probe	Each	1		
4	MEDICAL GAS ALARM PANEL: Supply, Installation, testing and commissioning of Medical Gas Alarm Panel. as per specification.				
4.1	Medical Gas Area Alarm for 2 services	Each	1		
4.2	Medical Gas Area Alarm for 3 services	Each	3		
4.3	Medical Gas Area Alarm for 4 services	Each	1		
4.4	Medical Gas Area Alarm for 5 services	Each	2		
4.5	Medical Gas Area Alarm for 6 services	Each	1		
5	AREA VALVE BOX (WITHOUT VALVES): Supply, Installation, testing and commissioning of Area Valve Boxes. as per specification.				
5.1	Valve Box - 2 Gas Service	Each	2		
5.2	Valve Box - 3 Gas Service	Each	7		
5.3	Valve Box - 4 Gas Service	Each	1		
5.4	Valve Box - 5 Gas Service	Each	2		

5.5	Valve Box - 6 Gas Service	Each	1		
6	Bed Head Horizontal/ vertical as per specification comprising of rail system to mount, made of aluminium extrusions, with provision of low and medium voltage supplies, gas outlets, electrical sockets, telephone sockets etc. complete as required.				
6.1	Bed Head Horizontal - 4 feet (Without Gas outlets) as per specification	Each	29		
6.2	Bed Head Horizontal - 5 feet (Without Gas outlets) as per specification	Each	6		
6.3	Bed Head Horizontal - 6 feet (Without Gas outlets) as per specification	Each	1		
6.4	Vertical Wall Panel - 4 feet (Without Gas outlets) as per specification	Each	2		
6.5	Vertical Wall Panel - 5 feet (Without Gas outlets) as per specification	Each	1		
6.6	Vertical Wall Panel - 6 feet (Without Gas outlets) as per specification	Each	1		
7	Oxygen Flow meter with Humidifier Bottle: Supply, installation, testing and commissioning of oxygen flow meter with humidifier bottle, as per specification For area other than ICU.	Each	132		
8	Oxygen Flow meter with Humidifier Bottle: Supply, installation, testing and commissioning of oxygen flow meter with humidifier bottle, as per specification. For ICU	Each	1		
9	Ward Vacuum Unit (other than ICU area): Supply, installation, testing and commissioning of Ward Vacuum Unit including suction regulator, adjustment knob etc. as per specification. Note: * - The capacity and pressure range to be stated as per design/ site requirement accordingly.	Each	77		
10	Ward Vacuum Unit (for ICU area): Supply, installation, testing and commissioning of ICU Vacuum Unit including suction regulator, suction jar, adjustment knob etc. as per specification. Note: * - The capacity and pressure range to be stated as per design/ site requirement accordingly.	Each	1		
11	Theatre Vacuum Unit for Operation Theatres: Supply, installation, testing and commissioning of Theatre Vacuum Unit including suction regulator, collection jar, adjustment knob etc. as specification. Note: * - The capacity and pressure range to be stated as per design/ site requirement accordingly.	Each	1		
12	Supply, installation, testing and commissioning of Medical gas hose assemblies as per standard followed as per specification. Note: The quantity for oxygen, N2O. Compressed air, vacuum etc. to be worked out as per the design/ site requirements.	Metre	164		
13	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
13.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	100		
13.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	700		
13.3	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	400		
14	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	10		
15	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
15.1	Single pole and neutral	Each	42		
Total Amount (Inclusive of GST)					

Note:-

1. Submission in any other format may result in cancellation of the offer.
2. All tools and tackles to be arranged by the bidder. Nothing will be provided by the Institute.
3. 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.