

# All India Institute of Medical Sciences

## Rishikesh-249203



### **Tender document for procurement of the equipment Biplane Cath Lab for the Department of Neurosurgery, AIIMS Rishikesh**

Ref. No.: Tender Enquiry No.: - 24/RT/Cath Lab/Neuro

Surg/793/2026-Rish (Admn)

Tender Publishing Date: - 20.01.2026

Pre-Bid Meeting: - 28.01.2026, 4 PM

Bid Submission Start Date: - 20.01.2026

Bid Submission closing date: - 09.02.2026

Bid Opening date: - 10.02.2026

Tender documents may be downloaded from institute's web site [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app>

## TENDER NOTICE

for

Procurement of the equipment Biplane Cath Lab with turnkey project for Department of Neuro Surgery, AIIMS Rishikesh- 249203

Dated: .....

E-tenders in Two Bids (Technical & Financial) basis are invited on behalf of the Director, All India Institute of Medical Sciences, Rishikesh from interested and eligible manufacturer or their authorized distributors/dealers for providing the item Biplane Cath Lab with turnkey project for Department of Neuro Surgery., AIIMS Rishikesh.

**Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app>.** \_

1.The complete bidding process is online. Bidders should be in possession of valid Digital Signature Certificate (DSC) for online submission of bids. Prior to bidding DSC need to be registered on the website mentioned above. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at 0135- 2462915.

2.Tenderer/Contractor/Bidders are advised to follow the instructions provided in the 'Instructions to the Contractors/Tenderer/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>'.

3.Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

**4. Tender fee- Zero.**

**5. EMD (Bid security deposit)- Rs. 30,00,000.** Hard Copy of EMD must be delivered to AIIMS Rishikesh on or before last date/time of Bid Submission. The bid without EMD will be summarily rejected. The scanned copy of the EMD instrument must be attached with the technical bid.

6. The tender shall be submitted online in two part, viz., technical bid and financial bid. All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

**The offers submitted by Fax/email shall not be considered. No correspondence will be entertained in this matter.**

7.Any future clarification and/or corrigendum(s) shall be communicated through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app> or AIIMS, Rishikesh website: [www.aiimsrishikesh.edu.in](http://www.aiimsrishikesh.edu.in). The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only these bids, taking care of such corrigendum(s) shall be considered for finalization of the tender.

8. Bidder should necessarily enclose a covering letter mentioning a summary of applied documents with proper numbering. Secondly, the bidder should attach a compliance sheet as per specification given in Tender document and corrigendum published in this regard, if any; mentioning that whether their bid complies with all the specifications or have any variation; in case there is any variation, it should be mentioned clearly.

9. The pre bid meeting would be .....**2026 at 4 PM** in the office of Tender Opening Room, AIIMS, Rishikesh. All firm's representative who are attending the pre bid meeting, shall produce an authorization letter from their firm on the firm's letter head. They are required to put their query in writing before the committee and submit the same in writing on their Firm's letter head.

10. All the duly filled/completed pages of the tender should be given serial /page number on each page and signed by the owner of the firm or his Authorized signatory. In case the tenders are signed by the Authorized signatory, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the

terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected out rightly.

11. Any omission in filling the columns of Financial Bid form (Schedule of Rates) shall debar a tender from being considered. Rates should be filled up carefully by the tenderer. All corrections in this schedule must be duly attested by full signature of the tenderers. The corrections made by using fluid and overwriting will not be accepted and tender would be rejected.

12. **Bid Security/ EMD:** EMD amount Rs. **30,00,000** is to be submitted.

13. Bidders are not allowed to submit more than one bid for the same/similar tendered item else all his bids shall be cancelled thereby making him disqualified.

14. The successful bidder has to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within twenty-one (21) days from the date of award of this tender in his favour and also required to furnish the Performance Security Deposit @ 03% of contract value in the form of FD/BG valid for three months extra of the contract period, from any Nationalized/Schedule/**Commercial bank** duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only.

15. The Performance Security Deposit shall be forfeited if successful bidder fails to supply the goods/equipment in stipulated time or fails to comply with any of the terms & conditions of the contract or fail to sign the contract.

16. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 180 (one hundred eighty) days from the published date of opening of the tender and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained.

17. To assist in the analysis, evaluation and computation of the bids, the Competent Authority, may ask bidders individually for clarification of their bids. The request for Clarification and the response shall be in writing but no change in the price or substance of the bid offered shall be permitted.

18. After evaluation, the work shall be awarded normally to the Agency fulfilling all the conditions of the contract and who has quoted the lowest price as per financial bid after complying with the all the Acts / provisions stated / referred to for adherence in the tender.

19. The competent authority of AIIMS, Rishikesh reserves all rights to accept or reject any/ all tender(s) without assigning any reason. It can also impose/relax any administrative term and condition/specifications of the tender enquiry after due discussion in pre-bid conference. This will be communicated and shown over the website of the Institute. No representation will be considered after pre-bid meeting and **bidders may ensure its queries only in pre-bid meeting.** AIIMS, Rishikesh also reserves the right to reject any bid which in his opinion is non-responsive or violating any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

20. Tender must be submitted on the prescribed Tender Form otherwise tender will be cancelled straightway.

21. The tender form is not transferable.

22. Canvassing in any form is strictly prohibited and the tenderers who are found canvassing are liable to have their tenders rejected out rightly.

23. It is required by all concerned, namely the Bidders/Suppliers, as the case may be to observe highest standard of ethics during the procurement and execution of this Tender.

24. Installation at consignee's site should be free of cost immediately on arrival of equipment at consignee's site.

25. In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications and liquidates damages shall be charged in addition to the cost of re- tender. The supplier is required to provide the demonstration of equipment at AIIMS premises to the AIIMS representatives for its evaluation as per the specification & desired functionality standard. However, a submission of videography displaying functionality as per tender specification may also be considered by the AIIMS representative.

26. In case the bidder on whom the supply order has been placed, fails to make supplies within the delivery schedule and the purchaser has to resort risk purchase, the purchaser (AIIMS, Rishikesh) may recover from the tender the difference between the cost calculated on the basis of risk purchase price and that calculated on the basis of rates quoted by tenderer. In case of repeated failure in supplying the order goods the supply order may be cancelled and Performance security deposit will be forfeited.

27. Where the specifications are as per tenderer's range of products the tenderer's offer should mention that the item meets all specifications as per the tender enquiry and if there are improvements/deviations the same should be brought out on separate Letter Head of the firm. It would be discretion of the competent authority of the institute to accept or reject such deviations which are not in accordance with our required specifications as given below the financial bid.

28. It must be mentioned clearly whether bidder is a manufacturer/sole distributor/ sole agent for the items for which he is quoting.

- a. **Manufacturer** must add a certificate that item(s) is manufactured by them as per range of products.
- b. **Sole Manufacturers** must add a certificate that they are the sole manufacturer of the Item for which they are quoting in this tender enquiry & item is /are their proprietary Item in India. The rate certificate is also required from the sole manufactures that the Rates quoted are the same as they quote to other State/Centre Govt./reputed Private Organisation and DGS&D rate for the similar item(s) and these are not higher than those quoted by them.
- c. **Authorized agents** must add authority letter from their Manufacturer/Principals on the letter head of the manufacturer/principals signed by a competent person and comes in Proforma given in attach must duly supported by a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- (Rupees ten only) that they are quoting Rates on behalf of them. The authorization letter must give/mention the purpose for which it is allowed. The validity period of the authorization letter must be mentioned in the authority letter otherwise tender will be liable to rejection.

29. The bidders should have furnished a copy of GST/S.T. /C.S.T. registration number, the State / U.T. of registration and the date of such registration. Tenders not complying with this condition will be rejected.

30. **Turnover provisions:** - (i) The tenderers should submit along with the tender, a photo copy of the last three years Annual Accounts with Audit certificate by Chartered Accountant, Income Tax returns and a copy of current valid income tax clearance certificate (IT CC), otherwise bidder will not be considered for administrative evaluation (in evaluation of Technical bid) and will be declared disqualified in technical evaluation.

- (ii) In case of bidder falls under Section 44AD/44ADA/44AE of Income Tax shall be required to submit turnover certificate verified by Chartered Accountant with his Registration number issued by Institute of Chartered Accountants of India.

(iii) In case of supplier is an Indian Agent, the firm can submit copies of purchase orders issued in favour of firm (*As the payment is made through LC directly to foreign manufacturer and equipment payment does not exist in the book of account of the supplier*) in support to its turnover whatever amount is getting short.

(iv) There will be relaxation on turnover on *case to case* basis for **Start-up firms** registered by Government of India under Start-ups scheme as per orders of Ministry of Commerce, Government of India.

31. **Sample/demonstration:** - In case, the item required prior submission of sample/ performing demonstration, tenderer will have to submit sample/perform demonstration of the equipment/item to the competent authority of the institute, the bidder will have to bear all the expenses for the same. Non submission of sample/non performing demonstration will disqualify the bidder in the technical bidding process and financial bid of the bidder will not be opened.

32. The tenderer hereby guarantees that the equipment supplied to the Institute (purchaser) under the Contract shall be of the best quality/latest version and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/ mentioned in the Tender Document. The date of manufacturing of the equipment/goods supplied will not be more than 3 (Three months) old. The tenderer will have further guarantees that the said equipment would continue to conform to the description and quality aforesaid for a period of two (2) years guarantee period (As per MoH&FW guidelines), from the date of installation of the said equipment to the purchaser and notwithstanding the fact that the Purchaser (Inspector) may have inspected and /or approved the said equipment, if during the aforesaid period of five years the said equipment be discovered not to conform to the description and quality as required as per specification or not giving satisfactory performance or have deteriorated, the decision of the purchaser in that behalf shall be final and binding on the tenderer and the Purchaser shall be entitled to call upon the tenderer to rectify the equipment or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on/an application made thereof by the tenderer and in such an event, the above mentioned warranty period shall apply to the equipment replaced from the date of replacement thereof. In case of failure of the tenderer to rectify or replace the equipment, within specified time, the purchaser shall be entitled to recover the cost with all expenses from the tenderer for such defective equipment.

33. Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender, failing which, the tender will not be considered. The tenderer must also mention whether the goods are imported / indigenous. Descriptive literature / catalogues must be attached with the tender in original, failing which, tender may be disqualified.

34. **Force Majeure:** Any failure or omission to carryout of the provisions of this supply by the supplier shall not give right for any claim by supplier and purchaser to one against the other, if such failure or omission arise from an act of God which shall include all acts of natural calamities from civil strikes compliance with any statistics and or requisitions of the Government lockout and Strikes, riots, embargoes or from any political or other reasons beyond the suppliers control including war (whether declared or not) civil war or state of incarceration provided that notice of the occurrence of any event by either party to the other shall be within two weeks from the date of occurrence of such an event which could be attributed to force majeure. Any delay due to Force Majeure will not be attributable to the either of the parties.

35. The equipment installed should be up for 95% of the total warranty time. If the equipment is down for more than 5% penalty will be applicable as extension of warranty period by double the downtime period in excess of standard downtime period of 5%.

36. If there is a close system the tenderer shall ensure and will have to submit an affidavit on Indian Non Judicial stamp paper of Rs.10/- along with technical bid that spare parts and consumables for these equipment's/instruments/item will be available at reasonable fixed rates for next 10 (ten) years, such rates should not be more than the rates supplied to institutes of national importance.

37. The successful Bidder shall at all times agree to indemnify and keep indemnified the purchaser against all losses, damages which may arise in respect of action/inactions of such Bidder or breach of any term of this tender by such Bidder. All claims regarding indemnity shall survive the termination of the contract with such Bidder.

40. In case the vendor fails to supply the spare parts or fails to provide the agreed maintenance during the prescribed period, as per the terms of contract, the purchaser is automatically entitled to procure the required parts and hire services from the market at the risk and cost of the vendor, such inability of bidder will entail forfeiture the security deposit. The purchaser also reserves the right to terminate the contract on immediate notice, if the vendor fails to comply with this clause for more than one instance.

41. **Liquidated damage/demerge:** - 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 or dispatch any consignment within the period prescribed for such delivery or dispatch 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. The supply of equipment must be in single consignment, inclusive of all parts & accessories in adherence to the specification so as to make the equipment fully functional at the time of the installation. No installation report shall be signed in case of absence of any part as per the specification.

42. **Legal Jurisdiction:** -The Courts at Rishikesh/ Dehradun alone and no other Court will have the jurisdiction to try the matter, dispute or reference between the parties arising out of this tender/supply Order/contract.

43. (i) **AWARD OF CONTRACT:** The Institute shall consider placement of orders for jobs to those bidders whose offers have been found technically and Financially Acceptable. The Institute reserves the right to counter offer price(s) against price(s) quoted by any bidder. L1 will be decided on individual item basis.

(ii) **PURCHASE PREFERENCE TO LOCAL SUPPLIERS:** In pursuance of Government of India's Order No. P- 45021/2/2017-PP (BE-II) dated 16-Sep-2020 (as amended from time to time) and F. No.: Z. 28018/67/2017-EPW dated 24-Jun-2020 (revised), purchase preference shall be given to local suppliers in all procurements undertaken in the manner specified hereunder and the procurement shall be made as per terms and conditions contained in the said order.

(iii) **MINIMUM LOCAL CONTENT:** The minimum local content shall as per Government of India's Order No. P- 45021/2/2017-PP (BE-II) dated 16-Sep-2020 (as amended from time to time) and F. No.: Z. 28018/67/2017-EPW dated 24-Jun2020 (revised), till the Nodal Ministry prescribes a higher or lower percentage.

(iv) **MARGIN OF PURCHASE PREFERENCE:** The Margin of Purchase Preference shall be 20%. The Local supplier whose quoted price falls in the Margin of Purchase Preference desirous of claiming benefit of the Order No. P- 45021/2/2017-PP (BEII) dated 16-Sep-2020 (as amended from time to time), shall submit an undertaking within 7 days of opening of Financial Bid, that he would be ready to supply the product at L1 price. In case of non receipt of the same, he would not be given Purchase Preference.

**Applicable Law:**

44. The contract shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such Commercial dealings / processing.

45. Any disputes are subject to exclusive jurisdiction of Competent Court and Forum in Rishikesh/Dehradun, Uttarakhand India only.

46. Except as otherwise provided under this Contract for immediate termination of the Contract, in the event of a disputes which may be arising out of the execution of the tender contract, the matter will be referred to the Deputy Director (Administration). Appeal against the decision of the DDA will lie to the Director, AIIMS Rishikesh. In the event of any dispute or difference between parties arising out of this contract, such dispute or difference shall be resolved amicably by mutual consultation between the respective head of the organization/institute/parties. In case of failure, deadlock for more than 45 days, parties may refer the dispute to Delhi International Arbitration centre, Delhi High Court for Arbitration. Cost of arbitration shall be born by both parties equally.

47. At the time of awarding the contract, the purchaser reserves the right to increase or decrease up to twenty-five (25%), the quantity of goods (round of to next whole number) without any change in the unit price and other terms & conditions quoted by the bidder.

I / We hereby accept the terms and Conditions given in the tender

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*(Signature & Stamp of the bidder)*

*Note- Please sign each page of document including terms & conditions & tender*

**(B) Financial terms and conditions**

1. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
2. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at for AIIMS Rishikesh (Site of installation/Use). Rates should be mentioned both in figures and in words.
3. The supplier has to submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that the bidder has not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the AIIMS, Rishikesh. If such affidavit is not submitted, tender will be out rightly rejected. **(Part of technical bid)**
4. **Guarantee / Warrantee Period:** The Tenderers must quote for 2 years' comprehensive warranty (Including all Spares, Accessories software application, if any and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 8 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories software application, if any and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taken into account on basic price and post warranty CMC.
5. **Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. The supplier undertakes to fully co-operate to avoid any fine, demurrage or other charges and shall indemnify AIIMS Rishikesh in case of any such failure. Transportation of goods up to AIIMS, Rishikesh and its successful installation and commissioning demonstration (and training, if required) is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier and after submission of deposit slips of custom clearance and transportation charges will be reimbursed to the supplier if said provisions are to be shown separately in the financial bid.
6. **Payment terms:**

**For equipment:** - 100% will be paid through inland letter of credit, payable as :- (Eighty) 80% Payment of the contract price shall be paid on receipt of goods condition and upon the submission of the following documents: -.

- i) invoice copy
- ii) Consignee Receipt Certificate
- iii) Packing List
- iv) Lorry receipt

Balance 20% against commissioned & Final Acceptance Certificate issued by the Institute.

**For Turnkey work -**

1. Milestone 1: 20% payment of total turnkey work payment when the structure is completed up to the first floor
2. Milestone 2: 50% payment of total turnkey work payment when the civil structure work is completed with finishing.
3. Milestone 3: 80% payment of total turnkey work payment when the E&M (Electrical and Mechanical) and AC&R (Air Conditioning and Refrigeration) work is done.

**Final Milestone:** Remaining payment of total turnkey work as well as of the equipment, will be done upon completion of all works and after completion successful operation of at least 03 months, i.e commissioned & Final acceptance certificate will be issued only after 3 months of successful operation of complete project".

1. **L1 Clause:** L1 firm will be decided on the basis of Total Price in addition with the CMC charges quoted by the firm. The CMC charges should be quoted separately in format provided in pdf.
- 2.

NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE INSTITUTE UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT/INSURANCE ETC

**Note: In case of any dispute regarding award of tender, decision of AIIMS Administration would be final.**

I / We hereby accept the terms and Conditions given in the tender

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*(Signature & Stamp of the bidder)*

**CHECKLIST DOCUMENT & TECHNICAL BID**

**(Checklist Documents to be attached with the Technical Bid compliance document)**

1. Name, full Address, telephone/mobile number, Email Id of the manufacturer and their authorised dealers/ distributors/Agency.	
2. Specify your firm/company is a manufacturer/ authorised dealer/ distributor/ Agency.	
3. Whether the signature on each page of the tender document and other relevant documents has been made by the bidder or not. ( <b>Signature on each page of tender document and other document is necessary</b> )	
4. Name, Address & designation of the authorized person(s) (Sole proprietor/partner /Director)	
5. Clarification/declaration of Power of Attorney/authorization for signing the bid document.	
6. PAN No. (Please attach scanned copy)	
7. GST/VAT/Service Tax Registration Number. (Please attach copy)	
8. Please attach copy of last three year's ITR acknowledgement ( <b>AY- 2022-23, 23-24, 24-25</b> )	
<b>9. Turnover</b> a. Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (average of turnover for last three years (FY- 2021-22, 22-23 & 23-24) should <b>not be less than Rs. 9,00,00,000</b> (Rupees Nine Crore). Submit last three years' turnover statement duly certified by the Chartered Accountant <b>in the format shown in Annexure- A</b> ). b. The bidder falls under Section 44AD/44ADA/44AE of Income Tax Act shall be required to submit turnover certificate verified by Chartered Accountant with his Registration number issued by Institute of Chartered Accountants of India. c. Indian Agent can submit its copy of POs of LC cases, in support of its amount getting short in required turnover. d. Start-ups may submit its Start-up Registration for consideration ( <i>Relaxation in turnover can be considered as the case may be, subject to fulfilment of other conditions. However, it will not be mandatory</i> )	
10. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- <b>in the format given in Annexure-1</b> that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D/GeM rate in <b>last two years</b> . If you don't fulfil the criterion mentioned in Annexure-1, your tender will be out rightly rejected.	
11. Please submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- <b>in the format given in Annexure- 2</b> that they will provide complete warranty for all equipment/items for 2 (Two) years followed by CMC for further 8 (eight) years of these equipment/items.	
12. Please furnish a notarised affidavit on Indian Non judicial stamp paper of Rs.10/- <b>in the format given in Annexure- 3</b> that they will supply spare parts& consumables for next 10 years at reasonable price by submission of suitable benchmarks.	
13. Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- <b>in the format given in Annexure- 4</b> that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner.	
14. Please declare that proprietor/firm/company is not blacklisted/debarred by any Organization at the time of submission of bid. An oath certificate to this effect may be enclosed on Rs.10 notarised Indian Non Judicial stamp paper <b>in the format given in Annexure- 5</b>	
15. Please submit a notarised affidavit for miscellaneous declarations on Indian Non Judicial stamp paper of Rs. 10/- <b>in the format as given in Annexure- 6.</b>	
16. Please submit a notarised affidavit of Self Certification regarding Local content on Rs.10 notarised Indian Non Judicial stamp paper <b>in the format given in Annexure- 7</b>	
17. Have OEM/ it's supplier previously supplied these items to any government/ reputed private organization? If yes, attach the relevant proof.	
18. Please submit two performance certificate of same OEM/ it's supplier from two different customers to whom such equipment has been supplied within last three (03) financial years.	

<p>19. Acceptance of terms &amp; conditions attached (Yes/No). Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. Otherwise your tender will be rejected.</p>	
<p>20. EMD (Bid Security amount)- Rs. 30,00,000/- in the form of FD, BG Scanned copy of EMD is also to be attached with the technical bid. The Hard Copy of original document in respect of EMD must be delivered to the AIIMS Rishikesh on or before the due date of Bid Submission. The bid without EMD, wherever exemption not allowed/ applicable, will be summarily rejected.</p>	<p>Tender Fee- Nil</p>
<p>21. Integrity Pact to be signed by bidder in the format given in <b>Annexure-8</b>.</p>	
<p>22. Format for MII declaration in the format given in <b>Annexure-9, if applicable</b>.</p>	
<p>23. Format for Self-Declaration regarding Restriction under Rule 144 (XI) of GFR 2017 (Land Border Sharing) in the format given in <b>Annexure-10</b>.</p>	

**ANNUAL TURNOVER STATEMENT**  
(At the Letter Head of Chartered Accountant)

I/We have examined the books of account and other relevant records of..... (bidding firm name), having its registered office at..... (full address of bidding firm) and do hereby certify that:

(1) Annual gross turnover as per Annual Accounts of the firm for last three years is as under-

<b>Sl. No.</b>	<b>Financial Year</b>	<b>Turnover (In INR)</b>
<b>1.</b>	2021- 2022	.....
<b>2.</b>	2022- 2023	.....
<b>3.</b>	2023- 2024	.....

(2) Average turnover of the firm for last three financial years is Rs. .... .

Signature of CA (with stamp of Firm) .....

Name- .....

(Registration No.....)

**(Chartered Accountant)**

**UDIN No.-** .....

**Date-** .....

**Place-** .....

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned..... (name).....(designation) ....., duly authorised representative of .....(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

Proprietorship/Firm/Company/Agency **has not quoted price in this Tender higher than one** at which goods/services were previously supplied to any government Institute/ Organisation/ reputed Private Organisation or DGS&D rate in last two years. If at any stage it is found that the firm (bidder) has quoted lower rates to any Govt./ Private Institute, Bidder shall be liable to payback access value to AIIMS Rishikesh. AIIMS Rishikesh further reserves right to impose suitable penalty shall be made by AIIMS Rishikesh.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature: .....

Name: .....

Designation: .....

Aadhaar No: .....

Email Id: .....

Mobile No: .....

Landline No: .....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)*

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned..... (name).....(designation) ....., duly authorised representative of ..... (name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

Undersigned undertake to provide **complete warranty for all equipment / items for 2 (Two) years** followed by **CMC for further (8) eight years (3rd to 10<sup>th</sup> years)** for these equipment/ items. **(Not applicable for service contract and consumable items/equipment.)**

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature: .....

Name: .....

Designation: .....

Aadhaar No: .....

Email Id: .....

Mobile No: .....

Landline No: .....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)*

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned..... (name).....(designation) ....., duly authorised representative of ..... (name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

We undertake that we will supply spare parts and consumables for next 10 years at reasonable price by submission of suitable benchmark of Institute of national importance/ reputed institute. (Not applicable for service contract and consumable items/equipment.)

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature: .....

Name: .....

Designation: .....

Aadhaar No: .....

Email Id: .....

Mobile No: .....

Landline No: .....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)*

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned..... (name).....(designation) ..... , duly authorised representative of .....(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

**No criminal case is pending with the Police** against our Proprietorship/Firm/Company/Agency or any of its authorized signatories.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature: .....

Name: .....

Designation: .....

Aadhaar No: .....

Email Id: .....

Mobile No: .....

Landline No: .....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)*

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned..... (name).....(designation) ....., duly authorised representative of .....(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

Proprietorship/Firm/Company/Agency is not **blacklisted/ debarred** by any organization at the time of submission of bid.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declaration is true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent Signature: .....

Name: .....

Designation: .....

Aadhaar No: .....

Email Id: .....

Mobile No: .....

Landline No: .....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclosed)*

**NOTARISED AFFIDAVIT**  
(On Rs. 10/- Non-Judicial Stamp Paper)

**TENDER NO.**

I, undersigned ..... (name).....(designation)....., duly authorised representative of .....(name of Proprietorship/Firm/Company/Agency) hereby undertake, affirm, confirm and declare that-

1. Undersigned is fully competent and authorised from Proprietorship/Firm/Company/Agency to make this Affidavit to bind such Proprietorship/Firm/Company/Agency.
2. All details/information/documents furnished by Proprietorship /Firm/ Company/Agency in bid document is true and correct.
3. Proprietorship/Firm/Company/Agency is fully solvent and legally/financially competent to perform terms and conditions of Tender.
4. Proprietorship/Firm/Company/Agency is duly registered under various relevant government notifications and all dues have been paid as on date.
5. Proprietorship/Firm/Company/Agency hereby agrees and fully understands that notwithstanding anything contrary contained in Tender document and without prejudice to any of the rights or remedies of AIIMS Rishikesh, AIIMS Rishikesh shall be entitled in its sole discretion to determine that a bidder is to be disqualified at any stage of the process and its participation in Tender process and/or its Technical Proposal and/or Financial Bid dropped from further consideration for any reasons.

Undersigned, on behalf of Proprietorship/Firm/Company/Agency does hereby solemnly declare and affirm that the above declarations are true and correct in all respects and we hold responsibilities for the same. No part of it is false and nothing has been concealed. Any false/incorrect submission shall make Proprietorship/Firm/Company/Agency as well as undersigned personally liable for all civil/criminal obligations including complaint to police and other authorities.

Deponent

Signature: .....

Name: .....

Designation: .....

Aadhaar

No:.....

Email Id: .....

Mobile

No:.....

Landline

No.....

Fax No: .....

Address: .....

*(Copy of Authorisation Letter from Proprietorship/Firm/Company/Agency enclose*

**NOTARISED AFFIDAVIT of Self Certification regarding Local Content**  
(On Rs. 10/- Non-Judicial Stamp Paper)

I ..... S/o, D/o, W/o.....  
....., Resident of..... do  
hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide  
**Order No. P-45021/2/2017-PP (BE-II) dated 16-Sep-2020 (revised).**

That the information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records before the procuring entity or any authority so nominated by the Government of India for the purpose of assessing the local content.

That the local content for all inputs which constitute the said drugs has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms, based on Government of India for the purpose of assessing the local content, action will be taken against me as per **Order No. P-45021/2/2017-PP (BE-II) dated 16-Sep-2020 (revised).**

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authorities:

- i) Name and details of the Domestic Manufacturer (Registered Officer, Manufacturing unit location, nature of legal entity).
- ii) Date on which this certificate is issued.
- iii) Medicine for which the certificate is product.
- iv) Procuring entity to whom the certificate is furnished.
- v) Percentage of local content claimed.
- vi) Name and contact details of the unit of the manufacturer.
- vii) Sale Price of the product.
- viii) Ex-Factory Price of the product.
- ix) Freight, insurance and handling.
- x) Total Bill of Material.
- xi) List and total cost value of inputs used for manufacture of the medicine certificates from suppliers, if the input is not in-house to be attached.
- xii) List and cost of inputs which are imported, directly or indirectly.

For and on behalf of

(Name of firm/ entity)

Authorized signatory (To be duly authorized by the Board of Director)

### Undertaking

1. I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender.
2. I/We shall supply the items of requisite quality and quantity at given rate in timely manner.
3. I /We also confirm that in the event of acceptance of my/ our bid, I /we hereby undertake to furnish required performance security deposit amount within 21 days of issue of LOA (Letter of Award) as well as will execute the contract(s) within stipulated time as given by AIIMS Rishikesh, as pre condition for obtaining the supply order(s).
4. I/We further undertake that none of the Proprietor/Partners/Directors of the firm was or is Proprietor or Partner or Director of any firm with whom the Government have banned/suspended business dealings. I/We further undertake to report to the AIIMS Rishikesh immediately after we are informed but in any case not later 15 days, if any firm in which Proprietor/Partners/Directors are Proprietor or Partner or Director of such a firm which is banned/suspended in future during the currency of the Contract with you.
5. I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

(Signature of the Bidder)

Name:

Designation with Seal of the Firm:

**Tender document for procurement of Biplane Cath Lab with turnkey project for Department of Neuro Surgery  
AIIMS Rishikesh**

**Chapter-II (Schedule of requirements)**

**Table-I**

**Details of items & their tentative quantity**

S. No.	Item	Quantity	Bid Security/ EMD
1	<u>Tender document for Procurement of Biplane Cath Lab with turnkey project for Department of Neuro Surgery, AIIMS Rishikesh</u>	01	Rs. 30,00,000/-

**Important monetary requirements and details**

S. No.			Remarks
1.	Tender Fee	Zero	.....
2.	EMD/Bid security	Rs. 30,00,000	In the form of FD, BG
3.	Turnover Criteria	Rs. 9 crore (minimum)	Average of last three FY (2021-22, 22-23, 23-24)
4.	Performance Security deposit amount	@ 3 % of contract value	In the form of FD, BG

**Note:**

(a) This tender document complies with Public procurement policy for Micro and Small Enterprises (MSEs) Order 2012 issued by MoSME.

(b) As per clarification sought from ministry of MSME vide F.no.21(11)/2018- MA dated 31st December 2018, “Traders /Sole Agents/ Distributers are excluded to avail the facilities/ benefits extended under the Public Procurement for Micro and Small Enterprises (MSMEs). (Ref: As circulated in Office Memorandum No. F.No.22(1)/2012-MA dated 24th October, 2016 in FAQs, Question No. 18.)

(c) This tender document complies with Public Procurement (preference to Make in India) office order dated 15/06/ 2017, 16/09/2020 and all orders amended time to time by department of Promotion of Industry and Internal Trade (DPIIT) under Ministry of Commerce and Industry.

**MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM**

(Clause 11 (c) of **other terms and conditions** of the tender)

To

The Administrative Officer,  
All India Institute of Medical Sciences  
Rishikesh

Dear Sir,

TENDER: \_\_\_\_\_.

we, \_\_\_\_\_, who are established and reputable manufacturers of \_\_\_\_\_, having factories at \_\_\_\_\_ and \_\_\_\_\_, hereby authorize Messrs. \_\_\_\_\_ (*name and address of agents*) to bid, negotiate and conclude the contract with you against Tender No. \_\_\_\_\_ for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per the conditions of tender contract for the goods offered for supply against this tender by the above firm.

The authorization is valid up to \_\_\_\_\_

Yoursfaithfully,

(Name)

For and on behalf of Messrs. \_\_\_\_\_  
(*Name of manufacturers*)/Principal.

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY/ CMC**  
**SECURITY**

To

**The Administrative Officer**

All India Institute of Medical Sciences  
Rishikesh,  
Virbhadr Marg,  
Rishikesh-249201

WHEREAS \_\_\_\_\_ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no \_\_\_\_\_ dated \_\_\_\_\_ to supply (description of goods and services) (herein after called “the contract”). AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognised by you for the sum specified therein as security for compliance with its obligations in accordance with the contract; AND WHEREAS we have agreed to give the supplier such a irrevocable bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you unconditionally, on behalf of the supplier, up to a total of \_\_\_\_\_ (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of you to first demanding the said amount of guarantee from the supplier before raising the demand with us. You may directly raise the demand with us, without asking the supplier for the same.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee will not be changed due to change in the constitution of the bank or the supplier.

This guarantee shall be valid up to 65 months from the date of satisfactory installation of the equipment i.e. up to --  
----- (indicate date).

.....  
(Signature with date of the authorized officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

### **Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:  
<https://eprocure.gov.in/eprocure/app>.

#### **REGISTRATION**

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online bidder Enrollment” on the CPP Portal which is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

#### **SEARCHING FOR TENDER DOCUMENTS**

- There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

#### **PREPARATION OF BIDS**

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.

- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
- Please note the Number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG Tender No. :..... formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

### **SUBMISSION OF BIDS**

- Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- The documents being submitted by the bidders would be encrypted using PKI encryption all techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 Bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key
- Further this key is subjected to asymmetric encryption using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message & a bid Tender No.:..... summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **ASSISTANCE TO BIDDERS**

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk number 0120-4200462, 0120- 4001002.

**INTEGRITY PACT**

**PRE-CONTRACT INTEGRITY PACT**

(To be signed by the bidder and same signatory competent/authorized to Sign the relevant contract on behalf of AIIMS Rishikesh)

This Pre-Contract Integrity Pact (herein after called the Integrity Pact) is made on \_\_\_\_\_  
\_\_\_\_\_ Day of the month of \_\_\_\_\_ 20

**Between**

ALL INDIA INSTITUTE MEDICAL SCIENCES RISHIKESH having its office at AIIMS VEERBHADRA MARG RISHIKESH-249203, (Hereinafter called which expression unless repugnant to the context or meaning thereof be deemed to mean and include its successors, legal representatives and assigns) of the First Party.

**And**

M/s,..... with office at \_\_\_\_\_  
\_\_\_\_\_ represented by Shri \_\_\_\_\_,  
Chief Executive Officer (hereinafter called the "BIDDER/Seller"/Contractor which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Party.

**Preamble**

[Both AIIMS RISHIKESH and BIDDER referred above are jointly referred to as the Parties]

AIIMS RISHIKESH intends to award, under laid down organizational procedures, Purchase orders /contract/s against Tender /Work Order /Purchase Order No./ **Tender ref no. 24/RT/Cath Lab/Neuro Surg/793/2026- Rish (Admn).**

AIIMS RISHIKESH desires full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

**NOW, THEREFORE,**

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to: -

1. Enable AIIMS RISHIKESH to obtain the desired materials/ stores/equipment/ work/ project done at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement; and
2. Enable the BIDDER to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and AIIMS RISHIKESH will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Clause.1. Commitments of AIIMS RISHIKESH**

1.1 AIIMS RISHIKESH undertakes that AIIMS RISHIKESH and/or its Associates (i.e. employees, agents, consultants, advisors, etc.) will not demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

1.2 AIIMS RISHIKESH will, during the tender process / pre-contract stage, treat all BIDDERS with equity and reason, and will provide to all BIDDERS the same information and will not provide any such information or additional information, which is confidential in any manner, to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS in relation to tendering process or during the contract execution.

1.3 All the officials of AIIMS RISHIKESH regarding this Integrity Pact will report to IEM, any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach shall not be permitted.

1.4 If the BIDDER reports to AIIMS RISHIKESH with full and verifiable facts any misconduct on the part of AIIMS

Rishikesh's Associates (i.e. employees, agents, consultants, advisors, etc.) and the same is prima facie found to be correct by AIIMS RISHIKESH, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by AIIMS RISHIKESH. Further, such an Associate may be debarred from further dealings related to the contract process. In such a case, while an enquiry is being conducted by AIIMS RISHIKESH the proceedings under the contract would not be stalled.

## **Clause 2. Commitments of BIDDERS/ Contractors**

2. The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:

2.1 The BIDDER will not offer, directly or indirectly (i.e. employees, agents, consultants, advisors, etc.) any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of AIIMS RISHIKESH, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

2.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of AIIMS RISHIKESH or otherwise in procuring the contract or forbearing to do or having done any act in relation to obtaining or execution of the contract or any other contract with AIIMS RISHIKESH for showing or forbearing to show favour or disfavour to any person in relation to the contract or any other contract with AIIMS RISHIKESH.

2.3 \* BIDDER shall disclose the name and address of agents and representatives and Indian BIDDERS shall disclose their foreign principals or associates.

2.4 \* BIDDERS shall disclose the payments to be made by them to agents/brokers or any other intermediary, in connection with this bid/contract.

2.5 \* The BIDDER further confirms and declares to AIIMS RISHIKESH that the BIDDER is the original manufacturer/integrator/authorized government sponsored export entity of the defence stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to AIIMS RISHIKESH or any of its functionaries, whether officially or unofficially to award the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

2.6 The BIDDER while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of AIIMS RISHIKESH or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

2.7 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

2.8 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

2.9 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged

2.10 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

2.11 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

2.12 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of AIIMS RISHIKESH, or alternatively, if any relative of an officer of AIIMS RISHIKESH has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filing of tender. The term 'relative' for this purpose would be as defined in Section 2(77) of the Companies Act 2013

2.13 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of AIIMS, RISHIKESH.

### **Clause.3. Previous contravention and Disqualification from tender process and exclusion from future contracts**

a. The BIDDER declares that no previous contravention occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

b. The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

If BIDDER before award or during execution has committed a contravention through a violation of Clause 2, above or in any other form such as to put his reliability or credibility in question, AIIMS RISHIKESH is entitled to disqualify the BIDDER from the tender process.

### **Clause.4. Earnest Money Deposit (Security Deposit)**

4.1 While submitting commercial bid, the BIDDER shall deposit an amount \_\_\_\_\_ as Earnest Money/Security Deposit, with the BUYER through any of the following instruments:

(i) Bank Draft or a Pay Order in favour of \_\_\_\_\_

(ii) A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment

(iii) Any other mode or through any other instrument.

4.2 The Earnest Money/Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER, including warranty period, whichever is later.

4.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

4.4 No interest shall be payable by the BUYER to the BIDDER on Earnest Money/Security Deposit for the period of its currency.

### **Clause.5. Consequences of Violation / Breach**

5.1 Any breach of the aforesaid provision by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle AIIMS RISHIKESH to take all or any one of the following action, wherever required: -

i. To immediately call off the pre-contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.

ii. The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit/Performance Bond (after the

contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.

- iii. To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- iv. To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of a BIDDER from a country other than India with interest thereon at 2% higher than the UBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest..
- v. To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the AIIMS RISHIKESH, along with interest .
- vi. To cancel all or any other Contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- vii. To debar the BIDDER from participating in future bidding processes of the Government of India for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- viii. To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- ix. In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- x. Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact

5.2 AIIMS RISHIKESH will be entitled to all or any of the actions mentioned in Para 5.1 (i) to (x) of this pact also on the commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal Code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

5.3 The decision of AIIMS RISHIKESH to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent External Monitor(s) appointed for the purposes of this Pact.

### **Clause.6. Fall Clause**

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems OR providing similar services at a price / charge lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found any stage that similar product/systems or sub systems was supplied by the BIDDER to any to the Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to AIIMS RISHIKESH, if the contract has already been concluded.

### **Clause.7. Independent External Monitors**

7.1 The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission. Name and address of IEMs are given below:-

(1) Shri Rais Ahmad, IOFS (Retd.)  
Independent External Monitor (IEM), AIIMS-R  
Address: Mahagun Moderne,  
Tower: OSIMO-240, Sector – 78, Noida – 201301  
Mobile No.: 9910007239.  
Email ID: ahmadrais1959@gmail.com

(2) Mrs. Usha Chandrashekhar, IPoS(Retd.)  
Independent External Monitor (IEM), AIIMS-R  
Address: Flat No. C-5, Bollineni Homes,  
Near Hitech Theatre, Madhpur, Hyderabad-500081  
Mobile No.: 9449872140.  
Email ID: ushacandrashekhar@gmail.com

7.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.

7.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.

7.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.

7.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.

The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project

7.1 documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality.

7.2 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.

7.3 The Monitor will submit a written report to the designated Authority of BUYER/Secretary in the Department! within 8 to 10 weeks from the date of reference or intimation to him by the BUYER / BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

### **Clause.8. Facilitation of Investigation**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination

### **Clause.9. Law and Place of Jurisdiction**

This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

**Clause.10. Other Legal Actions**

In case of any allegation of violation of any provisions of this Pact or payment of commission, AIIMS RISHIKESH or its agencies shall be entitled to examine all the documents, including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

**Clause.11. Law and Place of Jurisdiction**

Both the Parties agree that this Pact is subject to Indian Law. The place of performance and hence this Pact shall be subject to Rishikesh Jurisdiction.

**Clause.12. other legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

**Clause.13. Validity and Duration of the Agreement**

The validity of this Integrity Pact shall be from date of its signing and extend upto 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract. Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

14. The parties hereby sign this Integrity Pact at \_\_\_\_\_ on \_\_\_\_\_

**AIIMS RISHIKESH**

Signature

Name and Designation

\_\_\_\_\_

Witness

1.....

2.....

**Bidder**

Signature

Name and Designation

\_\_\_\_\_

Witness

1.....

2.....

\* Provisions of these clauses would be amended /deleted in line with the policy of the AIIMS RISHIKESH in regard to involvement of Indian agents of foreign supplier.

**Format for MII declaration**

1. (to be printed in letter head) -

Self-Certification under preference to Make in India order Certificate

2. In line with Government Public Procurement Order No. P-45021/2017-PP (BE-II) dated 04.06.2020 and its amendments, we hereby certify that we M/s \_\_\_\_\_ are local suppliers and the offered item having local content of \_\_\_\_\_% ( excluding Net Domestic Indirect Taxes, Transportation, Insurance, Installation, Commissioning, Training and after sales service support like AMC/CMC etc.) as defined in above orders for the material against Tender/Bid No. \_\_\_\_\_ Dated \_\_\_\_\_

3. Details of location at which local value addition will be made as follows:

\_\_\_\_\_

4. We also understand; false declaration will be breach of the code of integrity under the rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per rule 151 (iii) of the General Financial Rules along with such other actions as maybe permissible under law.

5. Thanking You

\_\_\_\_\_  
Signature with date Name

Designation

Official Seal

**Format for Self Declaration regarding Restriction under Rule 144 (XI) of GFR 2017 (Land Border Sharing)**

1 **(To be printed in letterhead)**

DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM

2. I, the undersigned, \_\_\_\_\_ (full names), do hereby declare, in my capacity as \_\_\_\_\_ of M/s \_\_\_\_\_ (name of bidder entity), that:

1) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 office memorandum (OM) No. F.18/37/2020-PPD Dt:08.02.2021, OM NO. F.12/1/2021-PPD (Pt) dated 02.03.2021 and OM No. F.7/10/2021-PPD dated 08.06.2021 and OM No.F.7/10/2021-PPD dated 23.02.2023 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order.

2) I certify that M/s \_\_\_\_\_ (name of bidder entity) is not from such a country or, is from such a country (strike out whichever is not applicable), has been registered with the Competent Authority. I hereby certify that this SUPPLIER fulfils all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority is attached].

3) I understand that the submission of incorrect data and / or if certificate / declaration given 5. by M/s \_\_\_\_\_ (name of bidder entity) is found to be false, this would be a ground for debarment and further legal action in accordance with law as per Clause 18 of Procurement Policy Division OM No.F.7/10/2021-PPD dated 23.02.2023

AUTHORISED SIGNATURE: DATE: \_\_\_\_\_ Seal / Stamp of Bidder

**CMC quoting format, if CMC is applicable:**

PRICE SCHEDULE FOR  
Comprehensive Maintenance Contract (C.M.C.) after expiry of Warranty  
(Rates should be quoted in Indian Rupees only)

1	2	3	4								5
Sr. No.	Name of equipment	Qty.	Annual comprehensive maintenance contract cost for each unit year wise after warranty with spare parts & labor								Total Comprehensive Maintenance Contract Cost for 8 Years [Qty. X (A+B+C+D+E+F+G+H)]
			3rd	4th	5th	6th	7th	8th	9th	10th	
			A	B	C	D	E	F	G	H	.....

Note-

1. Firm should quote the rate for CMC for each equipment/items/instruments at relevant column and it should not be more than 5 % per year of unit price of the quoted. The rates quoted should be inclusive of all taxes and duties.
2. Firm should upload this sheet after filing of relevant column as attachment of financial bid.
3. In case of discrepancy between unit price and total price. The LOWER ONE shall prevail.
4. The cost of comprehensive maintenance contract (CMC) after satisfactory completion of warranty period which includes preventive maintenance including testing and calibration as per technical /service/operational manual, labour and spares, should be quoted along with taxes applicable on the date of tender opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
5. CMC charges will be negotiable with respect to lower charge quoted for CMC by any firm.
6. The uptime warranty will be 95 % on 24 (hrs.) x 365 (days) basis or as stated in Technical specification of the TE document
7. The supplier shall keep sufficient stock of spares required during comprehensive maintenance contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Place:

Date:

## **Technical specifications:**

### **SPECIFICATIONS FOR DIGITAL SUBTRACTION ANGIOGRAPHY UNIT (BIPLANE)**

The manufacturer/bidder must quote the latest 'state of the art' BiPlane Digital subtraction angiography with flat panel detector technology for Neurovascular diagnostic and interventional procedures as per the specifications below.

- The quoted model must be launched in or after the year 2019 onwards.
- The offered model should be BIS/ European CE with 4 digit notified body number/USFDA certified. USFDA approved (authentic and legible certificate for the same to be annexed)
- Also, the vendor will guarantee that the system supplied is not refurbished and the DSA system quoted is the latest best available model in the segment quoted, at the time of delivery and should submit an undertaking in this

### **Technical Specifications**

#### **1. Certifications:**

1. The system should be AERB type approved and the and the copy of E-LORA Listing should be submitted along with the bid. If the quoted model has not been yet installed in India, vendor should submit NOC from AERB, Regular OA Regular QA according to AERB norms will be the responsibility of the bidder during warranty and CMC CMC period.

2. Should have import/manufacturing license from Central licensing Authority or State licensing authority of CDSCO for Medical Devices and copy of valid license should be submitted for the quoted model.

3. In case the vendor has not yet obtained import/manufacturing license from CDSCO for the quoted model, proof of application for CDSCO medical leave license to be submitted in the bid document and valid CDSCO license to be produced at the time of supply/NOC for the quoted model.

### **A. Gantry:**

- 1.The system should have two gantries: one floor mounted and one ceiling suspended providing full body coverage. The lateral plane should have motorized longitudinal C-arm movement.
- 2.It should be possible to pre-program the gantries for multiple examination positions.
- 3.All movements of the gantries should be controlled from the controller on the table side as well as from the control desk.
4. The system should have adequate collision protection for the safety of the patient. Both gantry movements should be rapid, motorized & collision proof. Manual override by the operator should be possible.
- 5.Both gantries should have fast speed for angulations and positioning. The frontal system should have a speed Of at least 15 degree/sec. for all positions and lateral plane should have a speed of at least 8 degree/sec-
- 6.Gantry angulations in both planes frontal and lateral should be freely user selectable to satisfy clinical imaging needs.
- 7.Both the gantries should have an automatic positioning capability dependent on the reference image being selected.

### **B. Patient Table:**

1. The table should have motorized Vertical & longitudinal and free floating with electromagnetic locking facility.
2. It should have the motorized stepping facility for automatic bolus chase for peripheral angiography.
- 3.It should be possible to swivel the table or should have multiple floating success in case of emergencies,
4. Table should have Trendelenburg tilt/cradle facility.
- 5, It should have patient load capacity of 200Kg or more
6. Table side touch control panel for 3D reconstruction and C-arm positioning with respect to 3D image & selection of 3D image positioning should be provided

### **C. X-Ray Generator:**

- 1.System should have Microprocessor-controlled high-frequency (100 kHz) X-ray generator with automatic dose rate control for fluoroscopy and acquisition-
- 2.Generator should be multi-pulse/high frequency for constant output.
- 3.Max generator power output should be 1000 mA at 100 KV equivalent to 100 kW.
- 4.Radiography KVP range should be 40 W-125 kV in 0,1 kV steps
- 5.It should have an automatic exposure control device for radiographic fluoroscopy and angio mode. Manual Override facility is preferable.
- 6.It should have a digital display of kVp & mAs.
7. Tube current should be freely selectable in 0.01 mA steps for continuous fluoroscopy, pulsed fluoroscopy and angiomode
8. Anatomical programming radiography should be possible.

9. But should have over loading protection,

10. It should have the facility for pulsed fluoroscopy at variable rates for reducing the radiation dose to the patient during intervention procedure.

#### **D. X-Ray Tubes:**

1. Both planes should be provided with rotating anode high speed tubes with increased contrast during fluoroscopy, especially for examinations on obese patients

2. The focal spot should have the following sizes:

- 1.0mm or less With load 80 KW or more in minimum one plane.
- 0.6 mm or less with load 38 KW or more in minimum one plane.

3. Anode heat storage capacity should be 3 MHU or more (true value) having liquid bearing technology or metal lubricant

4. The system should have adequate cooling facility for the x-ray tubes for uninterrupted performance during procedure.

5. Fluoroscopy power (maximum continuous power)-tubes should provide at least

2.4kW continuous output for over 30 minutes.

6. Mention the Heat dissipation rate, higher heat dissipation rate is preferable

7. Leakage radiation should conform to international standards-Filtration & leakage radiation dose should be indicated in the offer.

8. The lateral plane tube should be mounted on the far side (left of the patient) of the ceiling suspended C-arm to reduce scatter radiation to the operator.

9. System should be quoted with the latest dose reduction technique for better image quality with less dose.

#### **E. Collimator:**

1. One collimator for each plane is to be provided.

2. The collimator should have facility for automatic /pre-program/suitable alternative technology copper pre-filtration for reducing the X-ray dose.

3. The collimator best should have IRIS/rectangular/ wedge-shaped type arrangement with Independent rotation and shift of filter blades.

4. The collimator should have the facility for the dose measurement chamber in order to display the skin dose on the monitors in the lab.

5. The collimator should have facility for automatic copper pre-filtration for reducing X-ray dose as per patient thickness. Additional filters with multiple leaf's should be provided & it should be possible to position these filters & collimator leaf's without live fluoroscopy & independent Of each other (clearly mention in the offer).

6. Automated exposure control with at least 3-level motorized Cu-filters

7.Independent rotation and shift of filter blades

8.Automatic synchronous rotation of the detector and collimator unit to compensate for image rotation at different examination positions.

#### **F. Biplane Digital System**

1. Dynamic flat detector system with high spatial and 14 bit contrast resolution with 1.5k matrix resolution with Integrated collision sensor, Removable grid and active detector cooling facility

2. Size of the detector

- Size of frontal plane should be at least 43 cm diagonal
- Size of lateral plane should be at least 39 cm diagonal

3. Detector rotation in portrait to landscape mode and Vice versa, should be possible at detector level, examination console and control console at least in frontal plane

4-Standard AAPM phantoms for resolution measurement to be provided.

5.It should have multiple input format/field with minimum of 4 field zoom sizes,

6.Spatiat resolution should be at least 2.5 LP/mm in the frontal plane and 2.5 LP/mm in the lateral plane

7.Mention the Pixel pitch and detective quantum efficiency (DQE)

#### **G. Imaging Display System**

1. Examination Room Monitor

I. Medical grade large high definition display (minimum 55 inches) to display live, reference, 3D CT/M images of any patient, Hemodynamic and EP waveforms with layout selection from integrated tableside control in the exam room.

II. Another two medical grade (2KX2k) monitors (one for live, another for review) mounted on a movable trolley should be provided as a standard, for radiographer viewing while doing procedure.

## 2. Console Room

I. Control room shall have at least 4 (QTY) of widescreen (19" or more each), Medical grade monitors for display of live, playback, reference images of each plane.

II. Gantry, collimator, table & injector operations should be possible from control room console without interrupting image review, hard copying, and archiving or image transfer functions.

III. Separate/inbuilt Monitor for patient data registration.

IV. Integrated Two-Way communication system with integrated mic & speaker to allow duplex communication between Console & Exam room.

### **H. Digital Imaging System**

1. Should be possible for Fast, direct access to all series, single images and reference images, store monitor images, in both the examination room and the control room

2. Should be Possible for display of USG/CT/MR images as static reference image on the examination room monitor

3. Post processing software facilities with Changing window values, real time edge enhancement, positive/negative image display, electronic shuttering, roaming, image reversal, zooming/panning, annotation, Distance, angle measurements image labelling, text functions, drawing lines, arrows and circles

4. It should have the capability to acquire images in 1024 x 1024 matrix with a maximum speed of 6 frames or more per second on-line subtraction, Specify the maximum image acquisition rate without subtraction

5. It should have a minimum image storage capacity of 50,000 or more images in the 1024 x 1024/12 bit

6. Operating modes

A. Fluoroscopy mode should have following functions

- Biplane Dual Fluoroscopy mode to allow side-by-side display of digitally processed non-subtracted fluoroscopy and trace-subtract fluoroscopy for visualization and catheter guidance during complex procedures
- Digital pulsed fluoroscopy with 7.5, 10, 15, 20 p/s
- Road mapping with automatic pixel shift
- Overlay fade (online superimposing of active fluoro and reference image)
- Store Monitor and Stare Reference (even during online fluoroscopy)
- Store Fluoro: Last 1024 image of last performed fluoro
- Last Image Hold (LIH)

B. DSA mode should have following functions

- Digital subtraction angiography with digital real-time filtering with frame rates from 0.5 1/s to 7.5 f/s in 1K/14-bit matrix or better
- Remark/move mask/Replace mask, peak opacification for iodine contrast (MaxOpac) and C02 contrast (MinOpac), display of anatomical background (Landmark) from 0 to 100%
- Pixel shift: Manual pixel shift, automatic pixel shift, flexible pixel shift

7. A separate workstation for 3D reconstruction of the rotational angiography images should be provided. The 3D image measurement and slicing should be possible. Facility to display reconstructed images in the procedure room should be provided. The same workstation should have the capability to query, retrieve images from existing PACS system and also should have 3D post processing capability and the same should be displayed on one of examination room monitor for viewing during interventional procedures. It should be possible to perform simultaneous offline post processing in control room even while online acquisition is being performed.

8. It should be possible to fuse the 3D CT data with 3D Angio to combine high resolution vessel information with soft tissue information.

9. The complete digital system along with the workstation should be networked and connected to a DICOM compatible laser camera. Entire networking and necessary switches should be borne by vendor.

10. The digital system should have software for vascular analysis and quantification including stenosis. All measurements should be possible from the patient table side.

11. DVD reader and CD/DVD recorder should be provided with a workstation and main console Computer system-

12. The system should be able to Query, receive DICOM format CT/MRUUSG from PACS or other modality network nodes and display images on reference monitor,

13. DICOM print facility should be made available. Also compliant with HIS/RIS/PACS

14, it should have a facility to measure dose during the procedures.

15. The system should have latest radiation safety package like Clarity IQ/CARE & CLEAR MAX/Blueprint/Autoright/equivalent

16. All software updates should be provided in warranty & CMC period.

## **I. Essential Applications and Softwares**

1. Dyna CT or equivalent for acquisition of 3D high contrast reconstruction based on digital rotational angiography (2D/3D) at a speed of 40 degree/sec and acquisition frame rate of at least 50/sec. Automatic image data transfer to the advanced workstation while all parameters needed for the 3D reconstruction are already included in the exam set to generate cross sectional CT like images,
2. Road mapping facility (Real time 2D & 3D) should be available with possibility of superimposing fluoro image on reference image. 3D road mapping facility directly from CT/MR 3D image without rotational angio 3D image to save contrast and radiation.
3. Smart mask road mapping procedures by overlaying fluoroscopy with a selected reference Image on the live monitor. The reference and fluoro images can be faded to taste on the monitors.
4. Peristeping/Bolus chase software (Stopping of the table with a single contrast medium injection performed while observing the contrast medium bolus should be provided like Peristeping or equivalent/Bolus chase software) should be provided
5. Real time stent enhancement,
6. Needle guidance to plan needle-based procedure in a 3D volume by specifying a target and multiple trajectories
7. Embolization Guidance for planning and performing embolization's
8. Rotational angiography facility (2D&3D) at a speed of at least 40 degree/sec, with acquisition frame rate of at least 25 frames/sec in 1k matrix with facility for online display of subtracted images should be available. Rotational data acquisition with an output of cross sectional CT like images should be possible.
9. System should have CT/MR/PET fusion application.
10. Facility of CO2 angiography with supportive software should be provided

### **J(a). Optional Softwares:**

1. 3DCT/DSA perfusion imaging contrast enhanced blood volume distribution of the whole brain in 3D cross-sectional images based on a steady-state contrast injection
2. Dyna 4D or equivalent software to see flow patterns in 3D
3. TAVR Assist Software or equivalent

### **J(b). Essential accessories:** The following essential accessories to be provided with the unit.

1. Broadband connection and LAN for the operation of SIRS System is responsibility of the vendor and all the recurring cost of same should be borne by the vendor.
2. Complete hemodynamic Multiparameter patient monitor (Specifications **Annexure E1**)-qty 5, Please note that annexure mentions number of accessories for one Monitor, so Please quote accessories for 5 Monitors.
3. State of the art Anaesthesia equipment (Qty No 1) (Specifications **Annexure E2**).
4. Ultrasound /Doppler system for vascular access (Qty1 Specifications **Annexure E3**).
5. An Aspiration device for Mechanical Thrombectomy from standard reputed manufacturers- (suggested Make Pneumbra/ Medtronics)- Qty 1 warranty 2 years followed by CAMC 8 years.
6. Suitable UPS of at least 120 kVA with complete back up for the entire system including generator, digital system all essential accessories to continue angio acquisition for 30 minutes.
7. Lead glass 100 x 150 cm for the console room.
8. Single Head Pressure injector of reputed make should be coupled with DSA system. 100 Nos. disposable syringes sets and 500 Nos. of tubings should be supplied along with the system. Unit price of syringes and tubings should be fixed for minimum 02 years of warranty (period) & the rates for next two years should

be quoted by the vendor.

9. Dry Chemistry Laser Imager with resolution of 500 DPI or more with two tray. Printer should be DICOM ready and online for printing films of all variable sizes
10. Ceiling suspended radiation protection system of 0.5 Lead equivalence and table side protection system.
11. Focused ceiling mounted high luminous light With a handle for positioning the light-
12. Activated Clotting Time (ACT) machine and 30 no's cartridges/tubes. Unit price of Cartridges and tubes should be fixed for minimum 02 years of warranty (period) & the rates for next two years should be quoted by the vendor.
13. Ultra-light weight, double sided Lead free radiation protection Gown with lead equivalent of 0.5 mm: 15 Nos
14. Thyroid Guards-15 Nos
15. Lead spectacles-15 Nos
16. Gonadal shields-2. Nos
17. Fully ergonomic foot switch for fluoro/acquisition control with both cordless and with cord should be provided.
18. Wooden/Metal household staircase
19. Lead protected viewing glass as per AERB norms (Size: 150cm x 100 cm)
20. Bi-Phasic Defibrillator (Latest and best in the market)
21. Lead Apron Hanger 5 No's
22. Lead Apron Stand-2 No
23. Accessories for the table should include supply of 2 nos. each.
  - a. Head fixing aids
  - b. Chin Support
  - c. Carbon fiber radiolucent arm support for brachial approach
  - d. Body straps
  - e. Shoulder harness
  - f. Easy to clean suitable soft mattress
  - g. Drip stands
  - h. Arm support
  - i. Sand bags for thickness compensation for the head-adult & pediatric
24. Dehumidifier of 110 Litre -2 Nos.
25. Environment friendly sterile plastic covers for ultrasound probe, flat panel detector and control touch panel in console room Qty. 1000 each. Unit price of each of these covers should be fixed for minimum 02 years of warranty (period) & the rates for next two years should be quoted by the vendor.
26. Vendor should provide LED X-ray Film viewer with adjustable brightness; capable of holding 3 films of 14"x17" size. Qty 2 nos (one in each Console room and Examination room)

#### **K. Terms and Conditions to the Vendors**

- Original Product Datasheet of main unit and all accessories, Including third party items to be provided.
- All agreements should be binding on the Principal. The principals should be responsible for any lacuna or deficit in service or supply.
- All items in the supply order should be supplied during the time of installation. No exceptions will be allowed.
- The Items under Research Agreement should be finalized well in advance after receipt of supply order), so that there is no delay in delivery of software or coil or any other accessories.
- Software upgrades/updates (where hardware upgrades are not required) like new application packages, etc, should be provided within one month after release.
- In case, the same is not provided in time, the parent company should undertake the responsibility to

implement the same.

- Vendor should provide on-site Training for Department Doctors and Technicians for a period of 4 Weeks.

## **L WARRANTY AND COMPREHENSIVE MAINTENANCE CONTRACT**

- The warranty period of the system commences from the date of handing over (from the date of issue of inspection Noto) the fully functional unit of all essential parts and the accessories supplied (such as UPS including batteries replacement as when required, AC etc.) including third party items such as patient monitor system, with probes, anaesthesia machine, against Manufacturing defects of material and workmanship.
- UPS batteries and Anaesthesia machine related accessories repairs (including replacement, if needed) should be included in the warranty and CMC period.
- The post-warranty (after 2 years) CMC should be comprehensive and should include (repair and/or replacement) labour spares for the complete system which includes all the accessories supplied such as UPS AC, etc. (including all consumables like batteries for UPS, and maintenance for another 8 years.
- If a particular part is not working for more than 5 days and due to which patient work suffers, the firm will be asked to pay penalty of half-a-day beyond 5 days for each day that it is notworking.

Buy Back Option: As per need of Consignee Buy Back option may be exercised. It will be the responsibility of the seller/vendor to check on site the existing equipment and calculate offer price. Offer price will be used for calculation of L1.

## **M. Site modification work (as a part of turnkey project)**

- I. The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and fire fighting for the construction of Biplane DSA centre. Area to be covered is approx. 7230.72 Sq. ft. (674sq meter). It will be a G+1 structure with scope of further vertical expansion. All required construction will be done by the bidder as Institute will provide the required land only. A total of 360 days will be provided to complete constructions as per approved layout complying AERB norms from the date of handing over of site to contractor (2 months for planning/design approval from engineering section AIIMS Rishikesh & 10 months for construction) The Construction of Cath lab area must be done keeping in mind recent and appropriate IPHS guidelines
- II. The proposed map of structure is attached as **Annexure E4**
- III. AIMS Rishikesh reserves the right to alter the design or direct change in plan/area/number of items to be supplied to improve the facility in best interest of patient care.
- IV. All the provisions, which are part of standard facility must be considered irrespective of its mention or erroneous omission.

While preparing the plan the following aspects have to be addressed:

Care should be taken to provide easy negotiation of the patient stretchers/trolleys through corridors and doors.

Radiation shielding for doors, walls, windows etc.

Furniture like desk, chairs shelves etc.

Patient stretchers and other furniture/accessory to make the Biplane DSA centre functional.

**The Site Modification Work - Biplane D.S.A.:** The Site Modification Work for the area of approx. 7230.72 sq. ft. (674 Sqm) In which, area of Ground floor is 3615.36 sq. ft. (336 Sqm) and area of first floor is 23615.36 sq. ft. (336 Sqm)

Airconditioning of Tonnage 85 TR (including standby AC) should be provided.

### **Scope of work for Site Modification Work Biplane D.S.A system:**

The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning, Fire detection and Access control for the construction of DSA center.

The Biplane D.S.A site shall consist of the following rooms:

(Size of rooms/ area to be marked on map)

1. D.S.A Room
2. Console rooms
3. Equipment room
4. UPS Room
5. Pre op area / area of future Lab
6. Examination room /future OT
7. Change rooms for doctors/staff (separate for males and females)
8. Scrub area, catheter wash area
9. Sterilization equipment area [Autoclave/ETO/Sterrad]
10. Nurses & doctor lounges
11. Doctor's rooms
12. Post op recovery area
13. General ward for patients/ post op patient area.
14. Store Rooms
15. Doctor duty room/technician room/nurse's rooms
16. Pharmacy/ doctor duty room/ counseling room
17. Reception
18. The toilets of suitable size are required in changing rooms, patient waiting area, doctor room and ward area, plus at any other area which is deemed necessary as per final plan of the building. Air conditioning and ventilation is required in all the toilets
19. Ramp construction specs: 16.72m length, 2m width, giving 33.44 sqm area. Built to ensure accessibility, following safety standards and local building codes. Proper slope, handrails, and surface finish required. Integrates with existing plinth area, ensuring structural compatibility and compliance with civil engineering norms and regulations, for safe usage and durability. If required, suitable changes may be done during construction phase without financial effect. The changes will be approved by Engineering Department before execution.
20. Lifts qty 1 (minimum size to transport a patient bed with ventilator and support staff- minimum capacity of 26 passenger/ persons or more per lift) for G+1 structure. Warranty 2 years followed by CAMC of 8 years'

**Note:** The structures/ areas/ rooms listed above have been marked /outlined in detailed map attached as annexure E4 for reference to avoid any discrepancy. All drawings and technical data sheet shall be approved by engineering department.

### **N. Civil Work (List of preferred makes is attached as Annexure E5)**

1. Civil construction work of Beam column (framed) arrangement including construction of brick wall, plastering, flooring as per the approved plan and equipment layout plan
2. Concrete bed for Biplane DSA equipment area.
3. Platform for unloading and shifting of Biplane DSA should be provided if necessary.
4. Cable tray, trench & channel necessary trenches, cable tray and channels at required location, would be provided. All the construction work to be done as per the final plan approved by the user department.
5. Lifts qty 1 (minimum size to transport a patient bed with ventilator and support staff- minimum capacity of 26 passenger/ persons or more per lift) suggested makes have been attached in (**Annexure E6**) Mitsubishi/Schindler/Toshiba/Hitachi)

## 6. Flooring

600 x 600 mm anti shield double charged vitrified tiles/ Granite/vinyl flooring 2mm thick with 100mm tile skirting to match in Biplane DSA Examination Room, console room, lobby and patient preparation areas, Doctors room etc. 50 mm thick cement concrete flooring with Vinyl flooring in Biplane DSA equipment/UPS room.

## 7. Painting

Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in patient preparation area, Lobby area, console room, & Equipment room etc-Added Para: Full height wall tiles should be provided in the Biplane DSA rooms/washrooms.

## 8. False Ceiling

Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above calling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.

## O. Plumbing Work

1. All water pipes and fittings (for Scrub/toilet etc) shall be of CPVC Pipe Of approved and standard make. The gratings shall be brass chrome plated. All plumbing accessories should be of standard make as approved by Engineer in charge.
2. EWC/Bath fitting should be of reputed make.
3. List of preferred make for civil items are attached as annexure E5.

## P. Electrical Work (List of preferred makes is attached as Annexure E6)

The supplier shall be required to specify the total load requirements for the Biplane DSA centre including the load of air conditioning, room lighting and for the accessories, if any. The supply line will be provided by the Institute up to one point within the Biplane DSA centre. The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.

The electrical work shall include the following:

1. **Wiring** –All interior electrical wiring with FRLSH cables from main distribution panel to switch boards including necessary MCBs (C-type), DBs, Joint boxes, switch boxes etc. shall be considered. The wiring cables shall be of stranded copper conductor of different capacity as per the load and should be of renowned make as listed in **Annexure E6**.
  2. Switches for light and power points should be of modular type and of standard make as listed below. All Wiring, conducting, DBs, load panel & main panel, switches/sockets, MCBs, MCCB work shall be carried out as per CPWD specification for Electrical Work manual 2023 /IE rules 1956).
  3. Adequate number of copper earthings and dedicated copper earthings for equipment and accessories should be provided by the equipment vendor.
  4. Adequate capacity UPS shall be provided with **isolation transformer**.
  5. SITC of complete area coverage CCTV system and access control system comprising of controller, E&M locks, reader, smart cards, cabling, recording, display system, hardware and software etc. is required for building security.
  6. SITC of 26 Passenger cum bed lift for **G+1 Floor** is required.
  7. Provision of supply and laying of electrical power cables with standby supply system with other accessories from nearest sub-station for the total electrical load of **Cath-Lab** should be in the scope of the vendor.
  8. List of Preferred Makes of Electrical attached as **Annexure-E6** of this document.
9. All The doctor duty rooms future OT area, Pre & post OP areas, and Doctor lounge/ counseling rooms of this facility should have facility to view the DSA images/live feed /PACS from both cath lab & areas, to be accessed on computers/monitors systems to be installed in these areas. Hence, necessary provisions of such a feed from cath labs as well as required wiring/cable laying/connection should be placed

internally along with other wires, so that no external wires are visible. Appropriate access ports for the systems to be installed should be provided.

#### **Q. AIR CONDITIONING:**

1. Total 85 TR (including standby AC capacity).
2. Ductable package (Hot & Cold – Inverter type) ceiling mounted air conditioners may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface.
3. Sufficient capacity of re-heaters shall be installed. Re-heater shall be electric tubular finned Heaters in SS construction and bank wise distribution, duly installed in AHU / Duct complete with mounting arrangement, safety thermostat, fan interlock device (air flow switch), SCR based controller with humidity sensor for controlling humidity, contactor etc. Heater should be ISI marked.
4. Critical rooms like Cath Lab, Console room, different patient areas, doctor room etc. shall have individual temperature control system.
5. The outdoor units of AC systems should have grill covering to prevent theft and damage.
6. Ventilation is required in all toilets.
7. List of Preferred Makes of HVAC attached as **Annexure-E7** of this document.

#### **R. Environment specifications**

1. Relative humidity range: To be maintained between 50% and 60% in all areas except equipment room which shall be as per requirement of the equipment.
2. Temperature ranges:  $22 \pm 2^{\circ}$  C in all areas except equipment room which shall be as per requirement of the equipment.
3. Air conditioning load: The heat load calculations and maintaining the desired temperature and humidity shall be responsibility of the bidder.

#### **S. Furniture:**

1. Revolving Chairs height adjustable , medium-back with hand-rest in the Control room, Doctor Room and viewing area- 8 Nos.
2. . Chairs for patient waiting area-Three seater (chrome plated). -10 NOS
3. Wall mounted shelves for catheter and other procedural hardware (size 1200x 450x 600)-4 Nos.
4. Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement (size 1200 x600 x 750) -3 NOS
5. Drug trolleys 4 numbers for patient preparation area/ward.
6. Patient trolley with rubber foam mattress to be kept in the patient preparation room -2
7. Name boards for all rooms
8. Tables for Workstation and doctors in reporting room (1200 x 600 x 750) -2 NOS
9. Changing rooms should have change lockers and dressing table.
10. Dustbins (plastic with lid) to be provided as required.
11. Any other furniture items as per requirement of areas (like table and chair for reception counters/ patient ward nurses counter etc.)
12. All furniture item should be of standard make as mentioned in the List (suggested manufacturers (Hermen Miller/Godrej/Featherlight/Geeken.)

#### **T. Crash Cart-1 No.**

#### **U. Miscellaneous:**

1. Contact less hands-free scrub unit with disinfectant/soap dispenser suitable for simultaneous use of at least two

persons, a backup facility like knee control or similar should be there.

2. Reporting room should have LED X-ray Film viewer with adjustable brightness; capable Of holding 3 films of 14" x 17" size. -2 no.s

3. Cabling of Network (LAN) connectivity for camera system, console system, workstation and computers etc.

4. Fire extinguisher ABC type of 2kg each s required for the building safety-5 nos. to be provided. TRAINING On site Training for a period of two Weeks

4. **FIRE FIGHTING WORK: -**

- a. Addressable Fire Detection system consisting of fire alarm panel, smoke detectors, hooters, response indicators etc. for the entire area and to be integrated with existing central fire alarm system.
- b. Fire extinguisher of Dry chemical power type & CO2 type (sufficient quantity and capacity) shall be provided as required for the area fire safety as per norms.
- c. Firefighting system consists of fire sprinklers and fire hydrant system to be provided and shall relate to nearest available existing fire hydrant and fire sprinkler main header line in the Trauma Centre.

**5.MGPS Works:** All 07 (seven) numbers of gas pipelines need to be installed from nearest available existing MGPS services (at Trauma Centre) as per the requirement of user department including copper pipes, bedhead panel, gas point, valve box, gas alarm system and other connected accessories etc.

**6.Shifting of existing underground services including STP, ETP or storm water line, HVAC pipeline, BMS cables etc. is in scope of contractor.**

W. As highlighted earlier, the proposed construction area, the list of items and their numbers are approximate. Based on the outcome of tender/recommendations of bidders, AllMS, Rishikesh reserves the right to alter the design or direct change in plan/area/number of items to be supplied to Improve the facility in best interest of patient care.

X. Bidder should ensure that all the provisions, which are part of standard facility must be considered, irrespective of its mention or erroneous omission.

Y. Electricity and water for construction work will be provided to the contractor on chargeable basis as per institute policy. Contractor shall arrange for necessary cables, electricity meter and other accessories required.

Z. Time period for completion of work is 12 months (2 months for planning + 10 months for construction work) from the date of handing over of site to contractor.

## Annexure E1

### Specifications for portable Multi-parameter Vital Sign Monitor

1. It should be a fully portable patient monitoring solution, designed to be small, easy to use and lightweight, to be fixed to the patient table without taking any extra space

2. The unit should come with Wireless vital signs 3/5 lead ECG module with trusted artefact free spO2 technology.

3. Clinical Features: Standard

- SpO2 with perfusion Indicator: Wireless
- ECG 3/5 Lead: Wireless
- Non-Invasive Blood Pressure
- Dynamic Tread Indicator
- Tri-Colored alarm light
- Full gas module with ETCO2 Sidestream
- Invasive Blood Pressure/ICP
- Accessories Laryngoscope (Pediatric and adult)
- Vendor should provide the pediatric & Adult SPO2 probes-10 Qty each
- Vendor should provide the Pediatric & Adult BP Cuff-10 Qty each
- IBP transducer: 20 Qty
- ECO leads: 5 Qty
- Vendor should also quote the price for SPO2 probe and BP Cuff, IBP transducers ( Pediatric & Adult), ECG lead separately for the further purchase if required and the same should be valid during warranty and CMC period.
- Should be European CE marked/FDA marked

4. All the probe and accessories both for Adult & Pediatrics age groups should be provided for 10 years.

- All accessories mentioned above are for one monitor only. We require 5 monitors, so quote number of accessories appropriately.

## Annexure E2

Anaesthesia workstation with Anaesthesia modular monitor: Qty 1

1. Anaesthesia workstation is used for delivering anaesthesia agent to the patient during Interventional procedure

- A. It should be integrated anaesthesia workstation
- B. It should offer ICU quality ventilator, suitable for adult, children & neonates.
- C. Single user interface should control and display all parameters including control of modes, display of cylinder pressures etc.

A. The machine should be suitable for low and minimal flow anaesthesia application.

B. The machine should have automatic calculations and presenting of patient specific ventilation settings.

C. It should have configurable screen layouts for individual screen set ups.

D. It should have Nitrous oxide free operation configurable.

A. The anaesthesia machine and vaporizer should be manufactured by same company.

1. The anaesthesia Machine capable of providing anaesthesia to Adult Paediatric and Neonatal patient should have the following:

- a. Should have pipelines attachment for oxygen, nitrous oxide and compressed air.
- b. Should have yoke assembly for oxygen and nitrous oxide with pin index system.
- c. Durable main switch to put the machine in the on or off position.
- d. There should be digital control and display for oxygen.
- e. There should be electronic gas mixing.

2. Should have safety features like"

- a. Should be provided with pneumatic/electronic hypoxic guard.
- b. Should provide 25% or more of oxygen when anaesthetic gaseous mixture is in used.
- c. Should have extra flow meters for oxygen only.
- d. Should have digital display of pressure value of Cylinders and Central pipeline.

3. Should have oxygen flush with a flow rate of more than 35 L/min.

4. Vaporizer-New generation

- a. Should be able to hold two vaporizers (Isoflurane, Sevoflurane & Desflurane) simultaneously.
- b. Cost of vaporizers to be quoted separately.
- c. Quantity of vaporizer to be purchased will be as per requirement.
- d. Temperature/pressure compensated and flow independent vaporizer.
- e. The vaporizer design should be maintenance free.
- f. Should have illumination of vaporizer setting and filling level.

- g. Should preferably have electronic monitoring of vaporizer setting and filling level.

5.CO2 absorber system with the following features

- a. Single/Double canister.
- b. Autoclavable
- c. Canister capacity of 0.8 kg or more.
- d. It should be possible to bypass the canister if removed during clinical cases to change soda lime.

6.APL valve assembly and Bag mount should be conveniently placed.

7. Independent port for open circuit

8.Should be provided with drawers for storage space

9.Machine should have a good quality handle and castors to move the machine with locking system.

10.The ventilator of the machine should have the following feature:

- a. Should be electronically controlled.
- b. Should be suitable for new born, pediatric and adult.
- c. It should have colored screen with minimum 12" screen size.
- d. Volume and pressure control mode of ventilations.
- e. Electronic PEEP.
- f. Various ventilator modes: SIMV, Pressure support, VCV, PCV modes etc.
- g. Tidal volume range from 20 ml to 1200 ml.
- h. Respiratory rates from 4 to 80 or more.
- i. I:E ratio 2:1-1:5.
- j. Display: Respiratory rate, peak airway pressure and PEEP.
- k. There should be no collection of water in the breathing system.

11 Should have Independent paramagnetic oxygen sensor for FiO2 monitor and flow sensor for spirometry loops

12. Should be able to display

- a. Pressure VS time
- b. Volume Flow Vs time

13. The work station should be capable of delivery of low and minimal flow anaesthesia even at 350 ml of total fresh gas to reduce patient consumption

14.It Should have alternate O2 supply mode in case electronic gas mixture failure.

15.Should have a battery backup of at least 60 minutes.

16. A demonstration of the product is essential by the firm of the model quoted

17. Monitor should have the following:

- a. A modular configurable patient monitor for adult, pediatric and neonatal patient.
- b. Should have at least 19" or more TFT color display with a minimum of 8 waveforms at a time.
- c. Should be touch screen.

18. Should be able to measure the following parameters:

- a. 3 and 5 lead ECG with electrocautery & defibrillator filter with ST Segment & arrhythmia detection with analysis

- b. Respiration, SpO2 (SpO2 technology to prevent motion artefact), temperature
- c. SpO2 with Masimo technology to prevent motion artifact
- d. NIBP, 16P, ETCO2
- e. Multi-Gas analysis with auto detection of all aesthetic agents
- f. Integrated BIS/entropy Monitoring

19 Should be able to automatically detect and calculate MAC of all aesthetic gases. There should be no electrical RF interference.

20. Should be able to calculate and display FiO2

21. Intelligent cooling system to keeps the unit running quiet during use

22. Separate indicator lights for technical and physiological alarms.

23 Maximum BEEP tone should be loud enough to be audible from at least a distance of 12 feet.

24 Should have graded audio and visual alarms for the following parameters:

- a. Blood pressure-High and Low
- b. SpO2-High and Low
- c. Heart rate High and Low
- d. Respiration-High and Low
- e. FIO2-High and Low

25. Trends-Upto 48 hours or more

26. Display of anaesthesia ventilator data like wave forms for flow, pressure, agent and loops, and trends on patient monitors.

27. It should be ready to run Web based application like PACS, HIS, RIS, LIS. Cath lab Report, X-ray as standard on the patient monitor

28. All the components like anaesthesia ventilator, vaporizer and patient monitor should be preferably from same manufacturer.

29. The quoted model should be European CE or US FDA approved

30. The machine should be supplied with the following accessories:

- a. ECG cable-10 Nos
- b. Reusable SpO2 Sensor 5 each Adult. Pediatric & Neonatal
- c. NIBP Cuff :10 each for Adult, 5 each for Podiatric & 5 Neonatal
- d. IBP Cable: 10 nos
- e. BIS/Entropy Electrode-50 to be given against staggered demand
- f. ETCO2 Sample line: 50nos with each machine
- g. Water trap 50nos with each machine
- h. Reusable autoclavable Breathing circuit :25nos each for Adult & 5 pediatric
- i. Temperature Probe-1 Paed, 4 Adult (skin)
- j. Isoflurane, Sevoflurane & Desflurane Vaporizers Cost of vaporizers to be quoted separately.

31. Disposable breathing circuit including water trap-50 each for adult and pediatric Reusable anaesthesia mask 10set for adult 5 pediatric and 5 neonatal

32. System should have facility and required accessories for suction and active AGSS (Anaesthesia gas Scavenging System) (From same OEM)

33. Please provide Accessories which would last for one year

34. Demonstration is must

35. System should have Web based Anaesthesia Charting facility. Prices to be quoted separately along with Sever and complete wiring.

36. Scope of Supply;

- a. Trolley with drawer
- b. Writing surface
- c. Pin Index yokes for O2 & N2O
- d. Pipeline connections for all three gases
- e. Integrated Ventilator & monitor
- f. Semi closed breathing system
- g. Adult & Pediatric autoclavable patient tubings-as asked above
- h. Anesthetic mask (silicon) size-Adult & child-As asked above
- i. Vaporizers for Isoflurane, Sevoflurane, Desflurane-(It As asked above one machinery)
- j. Central gas supply hoses (Color coded)
- k. Instruction for use

37. Should be European CE market/FDA marked

38. Vendors should also quote the price for SPO2 probe and BP Cuff, IBP transducers (Pediatric & Adult). ECG leads separately for the further purchase if required and the same should be valid during warranty and CMC period

All the probes and accessories both for Adult & Pediatrics age groups should be provided for 10 year

A demonstration of the product is essential by the firm of the quoted model and must provide preferably a performance certificate of the model quoted

#### Y. Others

1. Quote rate of all optional software's/accessories separately and it will be fixed for whole warranty period.
2. The accessories of vital sign monitor is mentioned for a single monitor in annexure E1, so quote for 5 monitors as we need 5 monitors.
3. Warranty 2 years & CMC-8 years (including all spares & labour).
4. The items should be certified by BIS/ISO/USFDA/European CE or equivalent.
5. Approval of items/samples will be taken from concerned department.

## Annexure E3

### Technical Specification for USG Machine

1. Unit should be able to give very high image quality with advance technologies like compound imaging for better contrast resolution, tissue differentiation and edge detection, equivalent to high end cart based systems. Please specify the technology.
2. Unit should be compact, durable & less than 5 kg in weight (including battery).
3. Imaging modes of Real time 2D, Color Doppler, Power Doppler, Pulsed wave Doppler, Continuous wave Doppler must be available.
4. System must have fast start up to scanning in less than 30 seconds from off condition, for use in ICU and emergency conditions.
5. System should support transducer technologies like phased array, convex, linear .
6. The system should have a broadband architecture with an operating frequency of at least 1 to 15 MHz
7. Cine memory of atleast 250 frames should be available on all operating modes.
8. The system shall process a dynamic range that is at least 165db. The system must display at a maximum depth of 35 cm.
9. The system must have dedicated calculation packages for cardiac, Vascular & Ob/Gyn measurements.
10. The offered unit must have minimum flat LCD/ TFT monitor of at least 10- 12 inches with Anti-glare coating and wide viewing angle.
11. Alphanumeric soft keys backlit and splash resistant keypad with easy access scans controls, facility to sanitize the system keyboard to avoid cross contamination.
12. System should possess Needle Visualization software to track the needle clearly at steep angles during procedural guidance while maintaining striking image quality of the target structures and the surrounding anatomy with simple On/Off functionality on both linear & curvilinear transducers.
13. The system must have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life (run time) shall be at least 2 (Two) hours, this needs to be demonstrated.
14. The system must have archive capability for storage & retrieval of images and clips. It should have at least 2 USB slots, which allow for direct sharing of images (JPEG) and clips (AVI) to a PC.
15. Unit & transducers must be rugged, drop safe on accidental fall/hit on hard surface so as to withstand busy hospital situations.
16. The system must have in-built memory of at least 16 GB for storing Patient data & studies.

**The system should be capable of supporting all DICOM functionality (Storage, Print, and Work List), also shall be compatible to connect to PACS.**

17. Necessary certifications- Mandatory BIS certification with USFDA/CE- provide details.
18. Warranty of 2 years followed by CAMC of 8 years.
19. Any upgrades during the warranty period will be provided free of cost.
20. Rates of all parts and accessories should be provided separately and will be freezed for whole warranty period.
21. Guaranty of service and spares availability for 10 years post installation.

**Transducers & other accessories to be supplied as standard:**

1. 2-5 MHz ( $\pm 1$  MHz) multi-frequency broadband curved array transducer for general abdominal, Ob/Gyn, deep nerve access & Musculoskeletal applications
2. 6-13 MHz ( $\pm 1$  MHz) multi-frequency, broadband linear array transducer for vascular, venous, small parts, musculoskeletal, Lung, nerve imaging with less than 40mm size. Higher frequency will be preferred
3. 1-5 MHz ( $\pm 1$  MHz) multi-frequency broadband Phased array transducer for cardiac examination.
4. Detachable, imported, moulded, OEM Trolley/cart to mount transducers and machine.

When the machine is mounted on trolley, facility for connecting three transducers simultaneously with easy selection of active transducer should be possible.





## Annexure E5

List Of Preferred Makes – Civil		
Sr.No	Material	Preferred Makes
1	Doors & Windows fixtures/ Fittings/ Ironmongeries	Godrej, ENOXE, Geze, Hardwyn, Hettich, Harrison, Yale, ebo, Kich
2	Door Closer / Floor spring	Kich, Godrej, ENOXE, Hardwyn, Geze, Hettich.
3	Aluminium Sections.	Hindalco, Jindal, Indal, Nalco.
4	Clear Glass/ Clear Float Glass/ Toughened Glass	Saint Gobain, Asahi, Modi Guard, Shout, Atul
5	Laminates	Greenlam, Merino, Century, Archidply
6	Synthetic Enamel Paints	Asian, Nerolac, Dulux
7	Oil Bound Distemper	Asian, Nerolac, Dulux
8	Cement Paint	Snowcem plus, Asian, Nerolac
9	Plastic Emulsion Paint	Asian, Nerolac, Dulux
10	Other Paints/Primers	Asian, Nerolac, Dulux
11	OPC/PPC 43 Grade Cement (Conforming to IS8112)	ACC, Ultratech, J.K. Cement, Ambuja Cement
12	Reinforcement Steel (TMT Bars)	SAIL, RINL, TISCO, JSW
13	Rolled Steel Hollow Door Frame	Tata EZYFIT, APL Apollo
14	MS Pipe/ Sections	Jindal, Tata, SAIL, RINL, APL Apollo
15	Polycarbonate Sheets	GE Plastic, COXWELL, Danpalon India,
16	Wooden Fire Check Doors	IS 3614: 2021 & relevant Tech. Specifications of the Items under this contract
17	Metal Fire Check Doors	IS 3614: 2021 & relevant Tech. Specifications of the Items under this contract
18	Admixtures for concrete.	CICO, Fosroc, Sika, MC-Bouchemie, Pidilite, STP, BASF, FERROUS CRETE
19	Ceramic Tiles	Kajaria, Somany, ORIENT (BELL), JOHNSON, AGL
20	Pre-Laminated Particle Board	Greenlam, Duro, Merino, Kitlam, Century, Archidply
21	a) Flush Door Shutters	Greenply, Duro, Century, Kazaria, Marino, Greenlam, Archidply
22	b) WPC Flush Doors	ALSTONE and equivalent
23	White Cement	JK White, Birla White, Ultratech, Lafarge
24	Powder Coating Material Pure Polyester	Nerolac, J&N, Asian, Akzonobel

<b>List Of Preferred Makes – Civil</b>		
<b>Sr.No</b>	<b>Material</b>	<b>Preferred Makes</b>
25	Stainless Steel Screws for Fabrication and fixing of Windows.	Hettich, Hafele, Gezze, Kich
26	Dash Fasteners./Anchor bolts, Cramps	Hilti, Fischer, Bosch, Canon, ebco, Kich.
27	Stainless Steel Friction Stay	Ebco, Hafele, Hettich, Kich, Godrej.
28	Weather Silicon	Dow Corning, Wacker, G.E Plastic, Pedilite, Dr. Fixit, Sikka, FERROUS CRETE
29	Structural Silicon at butt joints	Dow Corning, Wacker, G.E, Pedilite, Dr. Fixit, Sikka, FERROUS CRETE
30	Water proofing Compound / applicator	CICO, Fosroc, MC-Bouchemie, Pidilite, Sika, BASF, Chryso, FERROUS CRETE
31	Reflective Glass	Saint Gobain, Asahi, Modiguard, Glaverbel.
32	Door Locks/Latches	Harrison, Yale, Hettich, Godrej, Kich.
33	Aluminium Grill	Hindalco, Jindal, Bhoruka
34	Vitrified Tiles	Kajaria, Somany, Johnson, ORIENT (BELL), AGL
35	Aluminium Cladding sheets	Alucobond, Aludecor, Alstrong, Alstone.
36	Stainless steel D-handles	D-Line, Giesse, Hettich, Hafele, Godrej, Kich.
37	Stainless Steel Railing/ pipe/ sheet 304	Jindal, SAIL, APL Apollo, Konzept steel.
38	Structural Steel	TATA, SAIL, RINL, APL Apollo.
39	Ready Mix Concrete	ACC, Ultratech, L&T, Lafarge
39(a)	AAC Mortar/Adhesive	Birla Aerocon, Pidilite, JK, Ultratech, Jindal Air, FERROUS CRETE
40	Epoxy Flooring/ wall coating	Fosroc, BASF, STP, Sika, Dr Beck, FERROUS CRETE
41	Acoustic Mineral Fibre	Armstrong, USG, Hunter Douglas, ANAKON
42	Fire Panic bar/ hinges	Briton, Becker FS, Godrej, Hafele, Shakti-Hormann.
43	Plywood/ Block Board	Greenply, Kajaria. Merino, Duro, Century, Archidply
44	Water proofing Self Adhesive (HDPE) Membrane	CICO, Fosroc, Pidilite, Sika, BASF, FERROUS CRETE
45	Fire Seal	Pemco, Lorient, Astroflame, HILTI, Fischer
46	Fire rated door closer/Mortice Lock/ Door Co-ordinator	Briton, Becker FS, Godrej, Hafele, Shakti-Hormann.
47	Gypsum Board System	USG- Boral, India Gypsum, Lafarge, ANACON
48	Adhesive for Wood Work	Fevicol, Vemicol, Dunlop, Pidilite, Sika.
49	Epoxy/PU Paint	Fosroc, BASF, Sika, Supreme, Laticrete/ Ferous, Kansai Nerolac, FERROUS CRETE
50	Glass Doors (Motorised)	Hafele, Besam, Hettich, Godrej
51	Calcium silicate boards/ Tiles	Hilux, Aerolite, Armstrong, ULTRALITE, USG BORAL, India Gypsum, ANACON

<b>List Of Preferred Makes – Civil</b>		
<b>Sr.No</b>	<b>Material</b>	<b>Preferred Makes</b>
52	Texture Paints	Asian, Berger, Nerolac, DULUX, Snowcem
53	Wall care putty	JK, Birla, Berger, Asian Paints, FERROUS CRETE
54	Frameless glass partition fixtures/ Spider fittings/ patch fittings	Geze, Hafele, Hettich, Assa, Godrej
55	Toilet Cubicles	Greenlam, Merino, Century.
56	Fire rated Glass	Saint Gobain, Schott, Pyroguard, Ashai
57	Fibre Glass Rigid Board	FGP Ltd., UP Twiga, Kimmco
58	Mineral Wool/ Rockwool	Rockwool India Pvt. Ltd., Lloyd, Roxul Rockwool.
59	Heat Resistance Tile	Thermatek, National, Swastik.
60	Bitumen	Indian Oil, Hindustan Petroleum, STP Ltd
61	Acid/ Alkali Resistant Tile	Somany, Kajaria, ORIENT (BELL), JOHNSON.
62	Acrylic Exterior Paint	Asian, Berger, Nerolac, J&N, Dulux.
63	Mosaic/ Chequered tiles	Kajaria, Somany, NITCO, Unistone.
64	Metal False Ceiling	Armstrong, Durlum, HUNTER DOUGLAS, ANAKON, Harsons Green.
65	Metal Roofing	Tata, Kalzip, Kingspan, Jindal.
66	PVC/ UPVC - Door / Window	FENESTA, VEKA, KOEMMERLING (Window Magic)
67	GRG False Ceiling	Diamond Ceilings, USG BORAL, ANACON, Earcon acoustic
68	Aluminium Door/ Window / Glazing	SCHUCO, REYNEARS, DOMAL, TECHNAL, ALUPURE (Window Magic)
69	Gypsum Plaster/Ready Mix Plaster/ Polymer modified self-curing mortar	Saint Gobain Gyproc, Sika, Ferrouscrete, Fosroc, Ardex Endura, JK Lakshmi, Birla, Ultratech, Pidilite
70	Plumbing	Kohler, Jaquar, Grohe, Roca
71	Sanitary Items	Cera, Hindware, Parryware
<b>Note</b>	<b>Final choice of make specified or not specified above shall remain with the Engineer in charge in AIIMS, Rishikesh.</b>	
	<b>Equivalent makes can also be added or deleted, subject to price adjustment if any with approval of Engineer In Charge in AIIMS, Rishikesh.</b>	
	<b>Wherever makes have not been specified for certain items, the same shall be as per approval of Engineer in charge in AIIMS, Rishikesh</b>	

**Annexure E6**

**List Of Preferred Makes – Electrical**

<b>S. No.</b>	<b>Description of Items</b>	<b>Preferred Makes</b>
1.	Copper wire FRLSH	Havells/ Skytone/ Polycab/Finolex
2.	Aluminium/Copper armoured cable	Havells/ Skytone/ Polycab/Finolex
3.	Steel conduit	BEC/Steel Kraft/NIC/AKG
4.	Aluminum channel/PVC Conduit	BEC/AKG/NIC
5.	Modular Switches/ Sockets/ box/	Legrand Mylinc/ Crabtree (Athena) or equivalent model of North West/LK(L&T)
6.	Industrial switch socket	Legrand/ Schneider electric/Havells/CS
7.	MCB/MCCB/DB	LK(L&T)/Legrand/ABB/Schneider (Ics=Icu) (fourth pole shall be 100% current rated)
8.	Dado channel /end cap	MK/Legrand/AKG
9.	Wall Fan	Crompton/Orient/Havells
10.	Ceiling Fan	Crompton/Bajaj/Havells/Orient (BLDC fan with five Star rating )
11.	LED Light(36 w)	Crompton /Philips /Wipro/Havells
12.	Clean room LED Light (40 watt ) size 2x2 /1x4 feet	Crompton (model LCBOR-40-CDL) or equivalent model Philips /Havells
13.	LED Light(12w) Down lighter	Crompton (model LSDSSL-12W-CDL) or equivalent model Philips/Wipro/Havells
14.	Change over	LK(L&T)/Legrand/ABB/Schneider
15.	G-Frame Panel	LK(L&T)/Legrand/ABB/Schneider
16.	UPS	Emerson/APC/Pegasus
17.	Batteries	Exide/Amara Raja(Quanta) /Panasonic
18.	Lift	Mitsubishi/Schindler/Toshiba/Hitachi
<b>Note</b>	<b>Final choice of make specified or not specified above shall remain with the Engineer in charge in AIIMS, Rishikesh.</b>	
	<b>Equivalent makes can also be added or deleted, subject to price adjustment if any with approval of Engineer In Charge in AIIMS, Rishikesh.</b>	
	<b>Wherever makes have not been specified for certain items, the same shall be as per approval of Engineer in charge in AIIMS, Rishikesh</b>	

**Annexure E7**

<b>List Of Preferred Makes – HVAC</b>	
<b>Equipment's</b>	<b>Preferred Makes</b>
Variable Frequency Drive	ABB / Siemens / Fuji / Danfoss
AHU/ TFA	Citizen / Zeco / VTS / Flaktwood / Systemair / Edgetech
Plug Fan	Nicotra Gebhardt / Kruger/ Ziehl-abegg / Greenheck / Flaktwood
Motor (IE-3) for AHU Fan	ABB / Siemens / Crompton
Filters	Thermadyne / Freudenberg / Camfil Farr / AAF
VRV /VRF System, Ductable AC, Split AC	DAIKIN / CARRIER/ TOSHIBA/ MITSUBISHI / HITACHI / OGENERAL /BLUE STAR
Refrigerant Copper Piping	Maxflo / Rajko / Modern
GSS/GI Sheet	SAIL / Jindal / TATA
Grilles / dampers / diffusers / Louvers / VCD / Fire damper / Motorised Damper	Ruskin/ Caryaire / Systemair / Cynore / Dynamic Equipments / Airflow / Pineair
Fire Damper Actuator	Belimo / Siemens / Honeywell
Nitrile Insulation	Armacell / Aeroflex / K-flex / Supreme
Magnehelic gauge	Dwyer or equivalent
Duct Heater	Daspass / KEPL / Equivalent
<p><b>Note: Final choice of make specified or not specified above shall remain with the Engineer in charge in AIIMS, Rishikesh.</b></p> <p><b>Equivalent makes can also be added or deleted, subject to price adjustment if any with approval of Engineer In Charge in AIIMS, Rishikesh.</b></p> <p><b>Wherever makes have not been specified for certain items, the same shall be as per approval of Engineer in charge in AIIMS, Rishikesh.</b></p>	