



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छत्तीसगढ़)  
**All India Institute of Medical Sciences, Raipur (Chhattisgarh)**

खंडन

यह निविदा अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर (छ.ग.) के लिये बालीदाताओं/फर्म/एजेंसी इत्यादी से प्रस्ताव नहीं बल्की प्रस्ताव प्राप्त करने का निमंत्रण है सविदात्मक दायित्व तब तक नहीं होगा जब तक औपचारिक अनुबंध पर हस्ताक्षर नहीं किया जाता और चयनित बालीदाताओं/फर्म/एजेंसी इत्यादी के साथ एम्स रायपुर के विधिवत अधिकृत अधिकारियों के द्वारा निश्पादित किया गया हो।

**DISCLAIMER**

**This tender is not an offer by the All India Institute of Medical Sciences, Raipur, but an invitation to receive offer from bidders/firm/agency etc. No. contractual obligation whatsoever shall arise from this tender process unless and until as formal contract is signed and executed by duly authorised officers of AIIMS, Raipur with the selected bidder/firm/agency.**

**All India Institute of Medical Sciences, Raipur**  
G.E. Road, Tatibandh, Raipur – 492099, Chhattisgarh  
Tele: 0771- 2971307, email: [store@aiimsraipur.edu.in](mailto:store@aiimsraipur.edu.in)  
Website: [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)



अखिल भारतीय आयुर्विज्ञान संस्थान, रायपुर के न्यूरोसर्जरी विभाग के लिए  
"कपाल और स्पाइनल सर्जरी सेट की HD कैमरा सिस्टम के साथ "  
आपूर्ति हेतु निविदा आमंत्रण सूचना

**Notice Inviting Tender For**  
**“Supply of Cranial and Spinal Surgery set With HD Camera system”**  
**for Department of Neurosurgery**

**At**  
**All India Institute of Medical Sciences, Raipur**

**CRITICAL DATE SHEET**

Published Date	17.01.2019 at 01:00 PM
Bid Document Download / Sale Start Date	17.01.2019 at 01:00 PM
Pre bid meeting	25.01.2019 at 03:30 PM
Bid Submission Start Date	28.01.2019 at 10:00 AM
Bid Document Download / Sale End Date	09.02.2019 at 06:00 PM
Bid Submission End Date	09.02.2019 at 06:00 PM
Bid Opening Date	11.02.2019 at 03:30 PM

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All India Institute of Medical Sciences, Raipur (Chhattisgarh)  
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Website : [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)  
Tele: 0771- 2971307, e-mail: [store@aiimsraipur.edu.in](mailto:store@aiimsraipur.edu.in)

1. Online bids are invited on behalf of the Director AIIMS Raipur on single stage two bid system for Supply of “**Cranial and Spinal Surgery set With HD Camera system**” for the Department of Neurosurgery”. Manual bids shall not be accepted.
2. Tender document may be downloaded from AIIMS web site [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.
3. Bid shall be submitted online at CPPP website: <https://eprocure.gov.in/eprocure/app>.
4. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
5. Tenderer who has downloaded the tender from the **AIIMS web site [www.aiimsraipur.edu.in](http://www.aiimsraipur.edu.in)** and Central Public Procurement Portal (CPPP) eProcurement website <https://eprocure.gov.in/eprocure/app> **shall not tamper/modify the tender form including downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender shall be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with AIIMS Raipur.  

The Technical bid should include the detailed specifications of main item/equipment and its accessories. All items should be numbered as indicated in the Annexure-I (Any deviation should be clearly mentioned and supporting document should be submitted).
6. **Manual bid shall not be accepted in any circumstance.**
7. The complete bidding process in online bidding, Bidder should be 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.
8. **Tenderers are advised to follow the instructions provided in the ‘Instructions to the Tenderer for the e-submission of the bids online through the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>’.**
9. **Quotations should be valid for 180 days** from the tender due date i.e. tender opening date. The bidder should clearly indicate the period of delivery & other terms.
10. Relevant literature pertaining to the items quoted with full specifications should be uploaded, where ever applicable.
11. Tenderer must provide evidence of having supplied government hospital / reputed private hospital organizations in India similar nature of items of at least ₹ **1,07,00,000.00** of Supply of **Cranial and Spinal Surgery set With HD Camera system** of Tender value in the last three years and the copy of the same should be uploaded.
12. The firm should be registered and should have the average annual turnover at least ₹ **2,14,00,000.00** of the bidder in the last three financial years. Copies of

authenticated balance sheet for the past three financial years should be uploaded.

13. The tender document must be accompanied by copy of PAN, Certificate of firm/company registration, GST registration.
14. The GST registration details may please be furnished.
15. The quantity shown against each item is approximate and may vary as per demand of the Institute at the time of placement of order.
16. The bidder must be able to provide the product/items within specified time period as prescribed in the Purchase Order, failing which the EMD will be forfeited. Furthermore on completion of the stipulated time period, Purchase Order will be cancelled and award will be given to another qualified bidder with the negotiated terms & conditions as per Institutes norms.
17. In the event of any dispute or difference(s) between the vendee (AIIMS Raipur) and the vendor(s) arising out of non-supply of material or supplies not found according to the specifications or any other cause what so ever relating to the supply or purchase order before or after the supply has been executed, shall be referred to the Director/AIIMS/Raipur who may decide the matter himself or may appoint arbitrator(s) under the arbitration and conciliation Act 1996. The decision of the arbitrator shall be final and binding on both the parties.
18. The place of arbitration and the language to be used in arbitral proceedings shall be decided by the arbitrator.
19. All disputes shall be subject to Raipur Jurisdiction only.
20. **AIIMS Raipur reserves the rights to accept/reject any bid in full or in part or accept any bid other than the lowest bid without assigning any reason thereof. Any bid containing incorrect and incomplete information shall be liable for rejection.**
21. The Tender/Bid will be opened on Store office at AIIMS Raipur Premises.
  - i) Only those financial bids will be opened whose technical bids are found suitable by the expert committee appointed for the concerned instrument/equipment.
  - ii) No separate information shall be given to individual bidders. In incomparable situation, the committee may negotiate price with the technically and financially qualified bidder before awarding the bid.
22. Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm or partnership, etc.
23. **Award of Contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has bid the lowest evaluated quotation price.

  - i) Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
  - ii) The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the bid validity period. The terms of the accepted bid shall be incorporated in the purchase order.
24. Normal comprehensive warranty/guarantee and CMC (if applicable) shall be applicable to the supplied goods.

25. Rates should be quoted inclusive of packing, forwarding, postage and transportation charges etc.
26. The competent authority reserves all rights to reject the goods if the same are not found in accordance with the required description / specifications/quality.
27. **A brochure displaying clearly the product is to be attached with the tender if required.**
28. **The amount mentioned for tender cost on the portal are totally tentative and it should not be submitted as per provision of GFR-2017**
29. **Earnest Money:** Earnest money of ₹ **6,50,000.00/-** by means of a Bank Demand Draft/ FD, a scanned copy to be enclosed. It is also clarified that the bids submitted without earnest money will be summarily rejected. The DD/FD may be prepared in the name of "All India Institute of Medical Sciences, Raipur (AIIMS RAIPUR)". The EMD cost must reach at officer of the Stores Officer Gate no. 5, Medical College Building, 2nd Floor, AIIMS Raipur before opening of tender.
  - i) No request for transfer of any pervious deposit of earnest money or security deposit or payment of any pending bill held by the AIIMS Raipur in respect of any previous supply will be entertained. Tenderer shall not be permitted to withdraw his bid or modify the terms and conditions thereof. In case the tenderer fail to observe and comply with stipulations made herein or backs out after quoting the rates, the aforesaid amount of earnest money will be forfeited.
  - ii) Tenders without Earnest Money will be summarily rejected.
  - iii) No claim shall lie against the AIIMS Raipur in respect of erosion in the value or interest on the amount of EMD.
  - iv) If MSME firm is registered for above tendered item, then the firm will be exempted for submission of EMD amount. Firm must upload scanned copy of following documents in support of exemption.
    - (1) National Small Industries Corporation (NSIC).
    - (2) Directorate of handicraft & Handlooms.
  - v) The earnest money will be returned/refund to the unsuccessful tenderers after the tender is decided.
  - vi) EMD should remain valid for a period of 45 days beyond the final bid validity period. When the tenderer agrees to extend the validity of bid, he shall also extend the validity of EMD suitably.
30. In case the supplier requires any elucidation regarding the tender documents, they are requested to contact to the Store Officer, AIIMS Raipur through e-mail: store@aiimsraipur.edu.in on or before end date of clarification as per critical date sheet
31. The EMD of the successful bidder will be returned to them without any interest after the submission of Security deposit/PSD.
32. Other terms and condition applicable as per manual for procurement of goods 2017, GFR-2017 etc.

**Stores Officer,  
AIIMS, Raipur**

**Other Terms & Conditions:**

**1. Pre-Qualification Criteria:**

- a. Bidder should be the manufacturer/authorized dealer/Distributor/Trader/Supplier. Letter of Authorization from Manufacturer for the same and specific to the tender should be uploaded in the prescribed place.
- b. An undertaking from the original Manufacturer is required stating that they would facilitate the bidder on regular basis with technology/product updates and extend support for the warranty as well. The scanned copy of same to be uploaded (if applicable).

**2. Performance Security Deposit:**

- a. The successful bidder shall have to submit a performance guarantee (PG) within 30 days from the date of issue of Letter of Award (LOA). Extension of time for submission of PG beyond 30 days band up to 60 days from the date of issue of LOA may be given by the competent authority to sign the contract agreement however a penal interest of 15% per annum shall be charged for the delay beyond 30 days. i.e. 31<sup>st</sup> day after the date of issue of LOA. In case of the contract fails to submit the requisite PG even after 60 days from the date of issue of LOA the contract shall be terminated duly forfeiting the EMD and other dues if any payable against the contract . The failed contractor shall be debarred from participating in re-tender (if any) for that item. Performance Security Deposit is mandatory.
- b. Successful supplier/firm should submit performance guarantee as prescribed in favour of “AIIMS, Raipur” and to be received in the Store Office, 2<sup>nd</sup> Floor, Medical College Building, Tatibandh, Raipur (C.G) Pin-492099 before the date of commencement of supply or 30 days from the date of acceptance of the purchase order, whichever is earlier. The performance Security Deposit to be furnished in the form of Bank Guarantee as per given Proforma of the tender documents, for an amount covering 10% of the contract value.
- c. The Performance Guarantee should be established in favour of “AIIMS Raipur” through any Schedule Bank with a clause to enforce the same on their local branch at Raipur.
- d. Validity of the performance Security Deposit shall be for a period of 60 days beyond of entire warranty period from the date of issue of installation & commissioning.
- e. After completing of warranty period a fresh BG/DD/FDR of 10% of CMC cost will be submitted by the supplier for performance security against CMC validity of this new BG/DD/FDR will be 60 days beyond CMC period. After submission of new security deposits, old security deposit will be released.

**3. Delivery& Installation:** The successful bidder should strictly adhere to the following delivery schedule supply, installation & commissioning should be effected within 45 days from the date of purchase order and this clause should be strictly adhere to failing which administrative action as deemed fit under rules will be taken against the defaulter. Otherwise Liquidation Damages will be imposed. Purchase order will be placed as required by consignee.

**4. Training and Demonstration (If required):** Suppliers needs to provide adequate training and demonstration at AIIMS Raipur to the nominated person of AIIMS Raipur at their cost. AIIMS Raipur will not bear any training or living expenditure in

this regard. The Supplier should arrange for regular weekly visit to the AIIMS, Raipur campus by its technical team and assist in maintenance of the item/equipment within warranty period. Assistance limited to locking companies with manufacturer will not be considered sufficient.

- 5. Installation & Warranty Declaration:** Suppliers must give the comprehensive onsite warranty as per Annexure-I as required from the date of successful installation of item/equipment against any manufacturing defects. In the installation report the model number of instrument and all spares parts/accessories numbers should be in the line of purchase order. And suppliers must be written in the warranty declaration that “everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be completed enough to carry out the experiments, as specified in the tender document.” If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges (shipping cost both ways). **Installation (if required) must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**
- 6. Penalty:** If the suppliers fails to deliver and place any or all the Equipment or perform the service by the specified date as mention in purchase order, penalty at the rate of 0.5% per week of delayed value of goods subject to the maximum of 10% of delayed goods value will be deducted, afterwards another penalty may be imposed.
- 7. Right of Acceptance:** AIIMS, Raipur reserves the right to accept or reject any or all tenders/quotations without assigning any reason there of and also does not bind itself to accept the lowest quotation or any tender. AIIMS, Raipur also reserves the rights to accept all the equipment/instruments in the given tender or only part of it in any given schedule without assigning any reason.
- 8. Validity of the bids:** The bids shall be valid for a period of 180 days from the date of opening of the tender. This has to be so specified by the tenderer in the commercial bid which may be extended, if required.
- 9. Risk Purchase & Recovery of sums due:**
  - Failure or delay in supply of any or all items as per Requisition / Purchase Order, Specification or Brand prescribed in the tender, shall be treated as 'noncompliance' or 'breach of contract' and the order in part of full be arranged from alternative source(s) at the discretion of the hospital authority and the difference in price has to be recovered from the tenderer as mentioned elsewhere.
  - The amount will be recovered from any of his subsequent / pending bills or security Deposit.
  - In case the sum of the above is insufficient to cover the full amount recoverable, the contractor shall pay to the purchaser, on demand the remaining balance due.
- 10. Communication of Acceptance:** AIIMS, Raipur reserves all right to reject any tender including of those tenderers who fails to comply with the instructions without assigning any reason whatsoever and does not bind itself to accept the lowest or any specific tender. The decision of this Institute in this regard will be final and binding.

- 11. Guarantee/Warranty, Service, Maintenance:** The tenderers must quote for **5 year's** comprehensive warranty for Cranial and Spinal Surgery set With HD Camera system from the date of completion of the satisfactory installation as certified by the stipulated committee. The warranty charges shall not be quoted separately otherwise the bid shall be summarily rejected. The bidders should submit their quote for subsequent **5 years** on site CMC for Cranial and Spinal Surgery set With HD Camera system (include free labour, repair other service & spare parts) but it should not be more than 7% of the quoted unit price. Failure to comply this condition will entail the rejection of the Bids. The price comparison shall be made taking into account on basic price and post warranty CMC. The Rate Contracting Authority reserves the right to award CMC (with spare parts) shall be quoted for equipment. So the price of CMC should be quoted according to the cost of equipment's. The amount of CMC would be released to the supplier on successful completion of the maintenance of that particular year duly certified by the user department.
- 12. Insolvency etc.:** In the event of the firm being adjudged insolvent or having a receiver appointed for it by a court or any other under the Insolvency Act made against them or in the case of a company the passing any resolution or making of any order for winding up, whether voluntary or otherwise, or in the event of the firm failing to comply with any of the conditions herein specified AIIMS, Raipur shall have the power to terminate the contract without any prior notice.
- 13. Force Majeure:** If, at any time during the subsistence of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, act of public enemy, civil commotion, sabotage, fire, floods, exception, epidemics, quarantine restriction, strikers lockout or act of God (hereinafter referred to as events) provided notice of happening of any such eventuality is given by party to other within 21 days from the date of occurrence thereof, neither party shall be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance and deliveries have been so resumed or not shall be final and conclusive.
- Further, that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, AIIMS, Raipur party may, at least option to terminate the contract.
- 14. Breach of contract:** In case of breach of any terms and conditions as mentioned above, the Competent Authority, will have the right to cancel the contract without assigning any reasons thereof and nothing will be payable by AIIMS, Raipur. In that event the security deposit shall also stand forfeited.
- 15. Subletting of contract:** The firm shall not assign or sublet the contract or any part of it to any other person or party without having first obtained permission in writing of AIIMS, Raipur, which will be at liberty to refuse if thinks fit. The tender is not transferable.
- 16. Right to call upon information regarding status of contract:** The AIIMS, Raipur will have the right to call upon information regarding status of contract at any point of time.

**17. Terms of payment:**

**17.1 Payment Terms.**

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

**A) Payment for Domestic Goods or foreign original located within India**

Payment shall be made in Indian Rupees as specified in the contract in the following manner:

- (a) 70% payment of the contract price shall be paid on receipt of goods in good condition at the consignee premises and upon the submission of the following documents:
- i) Four copies of suppliers invoice showing contract number, goods description, quantity, unit price and total amount with revenue stamp.
  - ii) Two copies of packing list identifying contents of each package
  - iii) Certificate of origin and certificate of guarantee and warrantee.
  - iv) Consignee receipt certificate in original issued by the authorised representative of the consignee.
- (b) Balance 30% payment would be made against 'Final Acceptance Certificate' of goods to be issued by the consignees subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the supplier or otherwise.

**B) Payment for Imported Goods:**

Payment of foreign currency portion shall be made in the currency as specified in the contract in the following manner:

**(a) On Shipment:**

Seventy (70) % of the FOR destination price of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) in favour of the supplier in a bank in his country in case of Foreign Tenderer and upon submission of documents specified here under:

- (i) Four copies of supplier's invoice showing contract number, goods description, quantity, Unit price and total amount with revenue stamp.
- (ii) Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre-paid and four copies of non-negotiable Bill of Lading/Airway Bill.
- (iii) Four copies of packing list identifying contents of each package.
- (iv) Insurance Certificate and a documents also to be submitted for payment of LC confirming that dispatch documents has already been sent to all concerned as per the contract within 24 hours.
- (v) Manufacturer's/Supplier's warranty certificate.
- (vi) Certificate of origin.

**(b) On Acceptance:**

Balance payment of 30% of net FOR price of goods would be made against 'Final Acceptance Certificate' to be issued by the consignee through irrevocable, on-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any.

**(c) Payment of Indian Agent Commission:**

Indian Agency Commission will be paid to the manufacturer's agent in the local currency for an amount in Indian rupees indicated in the relevant Price Schedule (as per prevailing rate of exchange ruling on the date of contract) and shall not be subject to further escalation/exchange variation. Payment shall be paid in Indian Rupees to the Indian Agent on proof of 100% payment to the Foreign Principal.

**17.2** The supplier shall not claim any interest on payment under the contract.

**17.3** Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the supplier rates as notified from time to time.

**17.4** No payment shall be made for rejected stores. Rejected equipment's must be removed by the supplier within two weeks of the date of issue of rejection advice at their own cost & replace immediately. In case these are not removed these will be auctioned at the risk and responsibility of the suppliers without notice.

**17.5 Payment for Comprehensive Maintenance Contract Charges:**

The consignee will enter into CMC with the supplier at the rates as stipulated in the contract. The payment of CMC will be made on yearly basis after satisfactory completion of said period duly certified by the consignee on receipt of bank guarantee.

a. No claim will be entertained regarding interest on any payment.

b. Where there is a statutory requirement for tax deduction at source, such deduction towards income tax and other tax as applicable will be made from the bills payable to the Supplier at rates as notified from time to time.

- **No payment shall be made for rejected stores.** Rejected equipment's must be removed by the supplier within two weeks of the date of issue of ejection advice at their own cost & replace immediately. In case these are not removed these will be auctioned at the risk, cost and responsibility of the suppliers.

**18. Compulsory Enlistment of Indian Agents**

As per the Compulsory Enlistment Scheme of the Department of Expenditure, Ministry of Finance, it is compulsory for Indian agents who desire to quote directly on behalf of their foreign manufacturers/principals, to get themselves enlisted with the Department of Expenditure, through the Central Purchase Organization (e.g. DGS&D).

The compulsory enlistment of Indian Agents under the scheme of Ministry of Finance is simpler and differs from the registration of Indian Agents with the Central Purchase Organization (e.g. DGS&D) described in the earlier paragraphs.

The registration of the foreign manufacturer is not a must for enlisting the Indian Agent under this scheme. No Inspection Report in respect of the foreign manufacturer/principal is necessary.

The enlistment under the scheme is not equivalent to the Registration with DGS&D. Such firms do not enjoy the same status as that of DGS&D registered suppliers. A note to this effect is given in the Enlistment Letter to the firm.

**19. Goods and Service Tax:**

1. GST rates applicable on your quoted item may please be confirmed.
2. Please confirm if there is any (Upward/Reduction) in your Basic Price structure. And you are also requested to pass the Input Credit as per the following Anti Profiteering Clause of GST. **"Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of**

**input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices”.**

3. In the event of increase in price, detailed justification and supporting evidence may be submitted for our consideration.

**20. Custom Duty on Imported Goods** In respect of imported goods, the tenderers shall also specify separately the total amount of custom duty included in the quoted price. The tenderers should also indicate correctly the rate of custom duty applicable for the goods in question Tender No. : AIIMS/R/CS/Neuro/ 87/18/OT/A Page 13 of 38 and the corresponding Indian Customs Tariff Number. Where customs duty is payable, the contract should clearly stipulate the quantum of duty payable etc. in unambiguous terms. AIIMS, Raipur is exempted from payment of excise duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued as demand. AIIMS, Raipur will not make necessary arrangements for clearance of imported goods at the airport

**21. Custom Duty Reimbursement:** The supplier will pay the customs duty wherever applicable, which will be reimbursed by purchaser as per documentary evidence. The custom duty exemption certificate will be provided to the supplier as and when required.

**22. Fall Clause:**

1. Prices charged for supplies under Rate Contract by the supplier should in no event exceed the lowest prices at which he bids to sell or sells the stores of identical description to any other State Government/DGS&D/Public Undertaking during the period of the contract.
2. If at any time during the period of contract, the prices of tendered items is reduced or brought down by any law or Act of the Central or State government, the supplier shall be bound to inform Purchasing Authority immediately about such reduction in the contracted prices, in case the supplier fails to notify or fails to agree for such reduction of rates, the Purchasing authority will revise the rates on lower side. If there is a price increase for any product after quoting the rates, the bidder will have to supply the item as per quoted rates. This office will not accept any higher rates after wards.
3. If at any time during the period of contract, the supplier quotes the sale price of such goods to any other State Govt./DGS&D and Public Undertakings at a price lower than the price chargeable under the rate contract he shall forthwith notify such reduction to Purchasing Authority and the prices payable under the rate contract for the equipment's supplied from the date of coming into force of such price stands correspondingly reduced as per above stipulation.

Any deviation in the material and the specifications from the accepted terms may liable to be rejected and the suppliers need to supply all the goods in the specified form to the satisfaction/ specifications specified in the Purchase order and demonstrate at the their own cost.

**23. Option Clause-** Under this clause, the purchaser retains the right to place order for an additional quantity up to a 30% of the originally contracted quantity at the same rate and terms of the contract, during the currency of the contract

**24. Arbitration:**

If any difference arises concerning this agreement, its interpretation on payment to the made there under, the same shall be settled out by mutual consultation

and negotiation. If attempts for conciliation do not yield any result within a period of 30 days, either of the parties may make a request to the Director, AIIMS Raipur to settle the dispute by Sole Arbitrator. Sole arbitrator will be appointed by the Director, AIIMS Raipur. In case of such arbitrator refusing, unwilling or becoming incapable to act or his mandate having been terminated under law, another arbitrator shall be appointed in the same manner from among the panel of three persons to be submitted by the claimant. The provision of Arbitration and Conciliation Act, 1996 and the rule framed there under and in force shall be applicable to such proceedings.

**25. Legal Jurisdiction:**

The agreement shall be deemed to have been concluded in Raipur, Chhattisgarh and all obligations hereunder shall be deemed to be located at Raipur, Chhattisgarh and Court within Raipur, Chhattisgarh will have Jurisdiction to the exclusion of other courts.

**26.** Rate wise comparison of the quotes will be made and L1\* for each item will be determined accordingly. In this context, final decision of the committee will be binding to all and no claim in this regard can be entertained. The quantity indicated is tentative and may vary, and any decision in this regard by Director AIIMS Raipur shall be final.

\* **L-1** = Total Price of item + CMC (L1 will be decided on Total Price of item FoR AIIMS Raipur + CMC of 5 years)

**Stores Officer,  
AIIMS Raipur**

## **Technical Bid**

The following documents are required to upload by the Bidder along with Technical Bid as per the tender document:

- a) Scanned Copy of EMD Cost must be uploaded.
- b) Please mention that the bidder is Manufacture /Distributor /Dealer / Trader/Supplier relevant document should be uploaded.
- c) In case of distributor/dealer/trader/supplier must be upload tender specific authorization certificate from OEM/ manufacturer (Form C) should be uploaded.
- d) An undertaking from the original Manufacturer is required stating that they would facilitate the bidder on regular basis with technology/product updates and extend support for the warranty as well. The scanned copy of same to be uploaded.
- e) Copy of PAN Card should be uploaded.
- f) Firm/Company registration certificate should be uploaded.
- g) **Should be submit BIS/ISO/European CE certificate/USFDA certificate as mentioned in specification at Annexure-I & II**
- h) The GST registration details may please be furnished.
- i) In the event of increase in price detailed justification and supporting evidence may be submitted for our consideration.
- j) Income Tax Return of last three years should be uploaded.
- k) Tenderer must provide evidence of experience/supplied materials as mentioned in tender document should be uploaded
- l) Annual turnover & balance sheet of last three year duly certified by CA as mentioned in tender document should be uploaded.
- m) "Declaration by the Bidder "(Form B) should be uploaded as mentioned in tender document should be uploaded.
- n) Relevant brochure/catalogue pertaining to the items quoted with full specifications etc.
- o) Tenderer must provide a certificate on letter head that proprietor/firm has never been black listed by any organization should be uploaded.
- p) Form A with duly filled by bidder should be uploaded.
- q) Technical Specifications Compliance Report.
- r) Have you previously supplied these items to any government/ reputed private organization? If yes, attach the relevant poof. Please provide a certificate on letter head that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. If you don't fulfil this criteria, your tender will be out rightly rejected.

## **PRICE BID**

- (a) Price bid in the form of BOQ\_XXXX .xls
- (b) Compréhensive Maintenance contracté – CMC.pdf
- (c) Custom Duty Tariff – CDT.pdf
- (d) Miscellaneous sheet

**Note:-** Bidder are supposed to quote for all items.

**PARTICULARS FOR PERFORMANCE SECURITY DEPOSIT**

**(To be typed on Non-judicial stamp paper of the value of Indian Rupees of Two Hundred)**  
(TO BE ESTABLISHED THROUGH ANY OF THE SCHEDULED BANK (WHETHER SITUATED AT RAIPUR OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT RAIPUR. DEPOSIT ISSUED BY CO- OPERATIVE BANKS ARE NOT ACCEPTED)

To,  
The Director  
All India Institute of Medical Sciences (AIIMS),  
Tatibandh, GE Road, Raipur-492 099 (CG)

**LETTER OF GUARANTEE**

WHERE AS All India Institute of Medical Sciences (AIIMS) Raipur (Buyer) have invited Tenders vide Tender No.....Dt.....for purchase of.....AND WHERE AS the said tender document requires the supplier/firm(seller)whose tender is accepted for the supply of instrument/machinery, etc. in response there to shall establish an irrevocable Performance Security Deposit in favour of "AIIMS Raipur" in the form of Bank Guarantee for Rs.....[10% (ten percent)of the purchase value] which will be valid for entire warranty period from the date of installation & commissioning, the said Performance Security Deposit is to be submitted within 30(Thirty) days from the date of Acceptance of the Purchase Order.

NOW THIS BANKHERE BY GUARANTEES that in the event of the said supplier/firm (seller) failing to abide by any of the conditions referred to intender document/purchase order/performance of the instrument/machinery, etc. This Bank shall pay to All India Institute of Medical Sciences (AIIMS) Raipur on demand and without protest or demur ..... (Rupees.....).

This Bank further agrees that the decision of All India Institute of Medical Sciences (AIIMS) Raipur(Buyer) as to whether the said supplier/firm (Seller) has committed a breach of any of the conditions referred in tender document/ purchase order shall be final and binding.

We,.....(name of the Bank& branch) here by further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the supplier/firm(Seller)and/or All India Institute of Medical Sciences (AIIMS) Raipur(Buyer).

Not with standing anything contained herein:

- a.Our liability under this Bank Guarantee shall not exceed`..... (Indian Rupees.....only).
- b.This Bank Guarantee shall be valid upto..... (date) and
- c.We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if AIIMS Raipur serve upon us a written claim or demand on or before..... (Date) and claim period should be six month beyond from the date of validity i.e. (b) above

This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at .....situated at..... (Address of local branch).

Yours truly,

Signature and seal of the Guarantor  
Name of the Bank:.....  
Complete Postal Address: .....

**Form-A****PARTICULARS FOR REFUND OF EMD TO SUCCESSFUL/UNSUCCESSFUL BIDDER  
RTGS/National Electronic Fund Transfer (NEFT)Mandate Form**

1	Name of the Bidder	
2	Permanent Account No(PAN)	
3	Particulars of Bank Account	
	a) Name of the Bank	
	b) Name of the Branch	
	c) Branch Code	
	d) Address	
	e) City Name	
	f) Telephone No	
	g) NEFT/IFSC Code	
	h) RTGS Code	
	i) 9 Digit MICR Code appearing on the cheque book	
	j) Type of Account	
	k) Account No.	
4	Email id of the Bidder	
5	Complete Postal Address of the bidder	

**FORM-B**

**Declaration by the Bidder:**

1. I/We have downloaded the tender from the internet site and I/We have not tampered /modified the tender documents in any manner. In case the same is found tampered/ modified, I/We understand that my/our offer shall be summarily rejected and I/We are liable to be banned from doing business with AIIMS Raipur and/or prosecuted as per laws.
2. I/We have read and fully understood all the terms and conditions contained in Tender document regarding terms & conditions of the contract& rules and I/we agree to abide them.
3. The bidder should not have been blacklisted before at any government organisation
4. No other charges would be payable by Client and there would be no increase in rates during the Contract period.

Place:.....

(Signature of Bidder with seal)

Date:.....

Name :

Seal :

Address :

**Form-C**

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

To  
The Stores Officer,  
All India Institute of Medical Sciences Raipur

Dear Sir,

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

we, \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_, having factories at \_\_\_\_\_ and \_\_\_\_\_, hereby authorize Messrs. (Authorised Dealer/Sole Distributor/Supplier) \_\_\_\_\_ (name and address of agents) to bid, negotiate and conclude the contract with you against Tender No. \_\_\_\_\_ for the above goods manufactured by us. No company or firm or individual other than Messrs. \_\_\_\_\_ are authorized to bid, negotiate and conclude the contract in regard to this business against this specific tender.

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

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

Yours faithfully,

(Name)

For and on behalf of M/s. \_\_\_\_\_  
(Name of manufacturers)/Principal

**Annexure-I****Specifications for Cranial and Spinal Surgery Set with HD CAMERA SYSTEM****General specifications and terms**

- All units/ items including accessories should have quality certificate such as BIS/ISO/USFDA/European CE certified.
- 5 year warranty & 5 year CMC (wherever applicable) should be included.
- Principal Company should have registered Office and Service Network in India, preferably Central India for better service support.
- User manuals should be in English. Provision of trained manpower support for at least for initial 6 months after installation or up to a period when the staff/technicians at AIIMS Raipur are trained in handling, storage and proper sterilization methods of supplied equipment has to be ensured by the bidder.
- Compliance statement should be submitted in a tabulated and point wise manner.
- Should have supplied quoted endoscopy instruments to AIIMS, PGI, and NIMHANS; and should submit satisfactory performance certificate from the institute.
- All firms are required to submit their catalogue along with tender clearly marking the quoted items and number with highlighter. If necessary demonstration will be taken to ensure product quality.
- All items under particular serial number will be purchased together from single manufacturer.
- Product quality certificate required.
- **Part 1A – HD Endoscopy Camera System**

S. No	Specification
	<b>Three Chip High definition Camera System 1 qty</b>
	<p>The system should be truly Digital HDTV endoscopic video camera. The system should have the maximum Resolution of 1920 X 1080 pixels, progressive scan and the consistent use of 16: 9 formats for Input &amp; Output to guarantee genuine HDTV.</p> <ul style="list-style-type: none"> <li>● The system should have facility of Optical &amp; Digital Zoom lens to enhance the quality of Image size &amp; cross specialty usage of the camera system, regardless of the telescope used.</li> <li>● USB Port for Capturing FULL HD Videos/ HD Stills in External USB drive and direct interface of USB Printer to facilitate direct printouts.</li> <li>● System should have facility of controlling additional equipment like light source/ and recording device from the camera head.</li> <li>● System should have facility to offer various visualization modes for surgery and diagnosis</li> </ul>

	<p>by shifting the color spectrum like <b>BLUE &amp; GREEN</b> light for recognition of the finest tissue Structures and their differentiation.</p> <ul style="list-style-type: none"> <li>● Parallel live display of visualization modes besides white light mode (picture-in-picture).</li> <li>● Modular design: Digital FULL HD camera module should be compatible for use with video flexible GI endoscopes.</li> <li>● Upgradable to be used with 3D endoscopic camera heads and scopes</li> </ul> <p><b><u>Technical Specifications:</u></b></p> <p>Image sensor: 3X1/3” CCD-Chip.</p> <p>Pixels - 1920 x 1080</p> <p>AGC: Microprocessor controlled</p> <p>Lens: Integrated Zoom Lens f = 15-31 mm (2x optical zoom)</p> <p>Minimum light sensitivity: 1.17 Lux (f = 1.4 mm).</p> <p>Control buttons: 3 (2 of them freely programmable).</p> <p>Video output: 2 x DVI-D output, 1 x 3G-SDI output, 3 x camera input for communication with compatible camera modules, LAN connection, 4 x USB connection (2 x front, 2 x back).</p> <p>Input: Keyboard input for character generator.</p> <p>Power Supply:- 100-240 VAC 50/60 Hz</p>
	<p><b>High Definition Medical Grade Monitor 32” capable of displaying 2D &amp; 3D image – 1qty</b></p>
	<ul style="list-style-type: none"> <li>● LCD Panel 32 inch ( 16:9 aspect ratio)</li> <li>● High Definition 1920*1200 pixel resolution</li> <li>● Various signal inputs: DVI-D for 3D signal DVI-D for 2D signal in HD, HD-SDI for 2D signal in HD, S-Video for 2D signal in standard resolution</li> <li>● viewing angle- Horizontal: 178 degrees, Vertical: 178 degrees (3D: TBD)</li> <li>● Contrast 1000:1</li> <li>● Should be able to display 3D and 2D image.</li> </ul>
	<p><b>Xenon Light Source 300 Wats- 1 qty</b></p>
	<ul style="list-style-type: none"> <li>● Lamp type:- Xenon 300 Watt</li> <li>● Color Temperatures 6000K</li> <li>● Light Outlets – 1</li> </ul>

- Light Intensity Adjustment: - Continuously adjustable either manually or automatically by cameras video output signal.
- Should be supplied with Fiber Optic Light Cable of Diameter 3.5 mm, Length 300cm. – 1 no

**IMAGE/VIDEO RECORDING AND DATA ARCHIVING SYSTEM capable of record in 3D and 2D**

State of the art user friendly Medical grade system (certified to be used in OT) should be offered with following features,

- User should have full control of the system from the sterile field via camera head buttons, optional touch screen, and optional foot switch.
- Parallel (synchronic or independent) recording of two image sources.
- Still images and videos (optional with audio) in 2D FULL HD or 3D (with optional 3D-camera system). Water mark feature.
- Intelligent, adaptive storage management.
- Storage location is freely definable and configurable.
- Storage on internal memory (2 TB, FIFO), USB storage media via 2.0 and 3.0, optical media (DVD writer, Blu-ray reader), network drive, FTP or via DICOM.
- Automatic storage in the background to reduce the time between the interventions. Easy management and overview of open/automatic save processes.
- Import of patient data via keyboard or DICOM work list.
- Intra- and postoperative printing via optional printer (local or network).
- Various adaptable templates for printing to choose from.
- Integrated surgical checklist following the WHO standard or customizable. Basic functions for the editing of still images and videos.
- Playback of 2D and 3D content on separate monitor (optional 3D-system required).
- Integrated file-viewer for still images, videos and checklists from diverse data sources.
- Integrated security software as a protection against malware, independent from security patches of the operating system and it is only possible to run certified software.
- Structured and clear user guidance, optimized for touch screen control.
- Scalable range of functions.
- Low noise generation and fast system start due to SSD-technology.
- Should have seamless USB silicone keyboard with touch pad to enter details
- Controllable via 12'' inbuilt touch screen

- Input Voltage: 100-240 VAC.
- Input Frequency: 50 - 60 Hz.
- Power output: 350 Watt.
- CPU: Intel® Core™ i7-2600 @ 3.4GHz.
- Internal memory: SSD (70GB) | HDD (2 TB).
- Memory RAM: 8GB.
- Connectors: 3 x 1 GB Ethernet (RJ 45), 6x USB 2.0, 2x USB 3.0.
- Image format: BMP, JPG, JPG2000.
- Video format: MPEG-4, MPEG-2, MOV.
- Video signal inputs: 2 x DVI-D.
- Color system: PAL, NTSC.
- Resolution still images: up to 1920x1080, Aspect ratio 16:9.
- Resolution videos: up to 1920x1080 Progressive Scan for 25/30 frames.
- Preinstalled printer: SONY UP-DR80MD.
- Type approval: IEC 60601-1-1, EN60601-1, EN60601-2.

The DICOM 3 interface shall be installed to the system in order to allow the surgeon to view all the DICOM 3 images stored in the PACS system on a digital light box within the operating rooms. Furthermore, all intra operative images recorded can be sent via the DICOM 3 interface to the PACS system for further processing.

#### **Imported Endoscopic Trolley – 1 Qty**

Equipment Cart, rides on 4 antistatic dual wheels equipped with locking brakes, central beam with integrated electrical sub-distributors with 6 sockets, grounding plugs, modular in nature (should be able to add shelves and components later if required).

Should have central monitor holder to mount monitor with height adjustable, swiveling and tilting, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100.

It should consist of: 4 shelves with capacity of keeping min 3 machines on each shelves. Should have 1 lock and key drawer , 1 camera holder, Isolation transformer of 2000VA, counter balance plate, Monitor holding arms (lateral)

<p><b>Part 1 B – Intracranial Neuro Endoscopy Set For Adult / Pediatric patients.</b></p>		1
<p><b>Surgical Write Up</b>          Neuroendoscope for Intracranial Procedures for Adult And pediatric Patient Set must perform full range of endoscopic brain operations, enabling all forms of obstructive hydrocephalus, intraventricular tumors, cysts and intraparenchymal cysts to be treated.</p> <p>The set must perform below procedures:          Ventriculostomy, Aqueductoplasty, Aqueduct stenting, Septostomy, Foraminoplasty, Tumor Biopsy and Tumor Resections as well as Cyst Evacuation and Resection of Cyst Membranes.</p> <p>Neuroendoscope for Intracranial Procedures for Pediatric Patient Set must perform endoscopic brain operations, enabling obstructive hydrocephalus, intraventricular tumors, and cysts.</p> <p>The set must be suitable for below procedures:          Ventriculostomies, Septostomies, Tumor Biopsy and Cyst. Fenestration Endoscopy .</p>		
<p><b>TECHNICAL SPECIFICATION FOR ADULT / PAEDIATRIC INTRACRANIAL NEURO ENDOSCOPY SET</b></p>		
<ul style="list-style-type: none"> <li>● Operating telescope with minimum 3 working channels with angle of view from 4 degree to 6 degree with angled eye piece.</li> <li>● Outer diameter of scope should be between 6 to 6.2 mm, length of scope should be minimum 17 to 18cm. main working channel of operating scope should be 2.8 to 3 mm. 2 side working channel should have diameter 1.5 to 1.6mm.</li> <li>● Scope should be autoclavable.</li> <li>● Scope Should have inbuilt light transmission</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Zero degree diagnostic telescope with enlarged view.</li> <li>● Diameter of scope should be 1.9 to 2mm.</li> <li>● Length of scope should be 25 to 26cm.</li> <li>● Scope should be autoclavable.</li> <li>● Scope Should have inbuilt light transmission</li> </ul>	1	
<ul style="list-style-type: none"> <li>● 30 degree telescope with enlarged view.</li> <li>● Diameter of scope should be 3.2 to 3.3mm.</li> <li>● Length of scope should be minimum 24 to 25cm.</li> <li>● Scope should be autoclavable.</li> <li>● Scope Should have inbuilt light transmission</li> </ul>	1	
<ul style="list-style-type: none"> <li>● 45 degree telescope with enlarged view.</li> <li>● Diameter of scope should be 3.2 to 3.3mm.</li> <li>● Length of scope should be minimum 24 to 25cm.</li> <li>● Scope should be autoclavable.</li> <li>● Scope Should have inbuilt light transmission</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Sheath to be used with operating telescope.</li> <li>● Sheath should be rotating with outer diameter from 6.7mm to 6.8mm.</li> <li>● Working length of sheath Should be 12.5 to 13.5cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Obturator to be used with sheath.</li> <li>● Should be fixed with sheath for entry into ventricle.</li> </ul>	1	

<ul style="list-style-type: none"> <li>● Obturator to be used with 0 degree diagnostic scope</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Scissors, pointed, should be rotating, Should have single action jaws,</li> <li>● Should have diameter 1.9 to 2 mm, Should have working length 29 to 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Biopsy Forceps Should be rotating, Should have both jaw moving,</li> <li>● Should have diameter 1.9- 2 mm, Should have working length 29 to 30 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Grasping Forceps, Should have rotating option, Should have double action jaws, Should have diameter 1.9 to 2 mm, Should have working length 29 to 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Forceps, for ventriculostomy with separation outside of jaw,</li> <li>● Should have double action jaws,</li> <li>● Should have diameter maximum 1 mm,</li> <li>● Should have working length 29 to 30 cm,</li> <li>● forceps Should be flexible to be used working channel</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Scissors, Should have pointed tip,</li> <li>● Should have lightly curved jaws, Should have double action jaws, Should have diameter 1,7 to 1.8 mm, Should have length 29 to 30 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Grasping Forceps, forceps Should be flexible to be used with working channel,</li> <li>● Should have double action jaws,</li> <li>● Should have diameter maximum 1 mm,</li> <li>● Should have working length 29 to 30 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Monopolar Coagulating Electrode, Should be Semi-rigid,</li> <li>● Should have diameter 1.3 to 1.4 mm,</li> <li>● Should have working length 29 to 30 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Bipolar Coagulation Electrode, Should have diameter 1.7 to 1.8 mm,</li> <li>● Should have working length 29 to 30 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Bipolar Forceps, with 2 long, flat jaws,</li> <li>● Should have outer diameter 2.4 to 2.5mm,</li> <li>● Should have minimum 5 bipolar insert with bipolar.</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Unipolar High Frequency Cord, with 4 mm plug, length minimum 300 cm, For use with HF units.</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Bipolar High Frequency Cord, with 2 x 4 mm banana-plug to Coagulator, length minimum 300 cm</li> </ul>	2		
<ul style="list-style-type: none"> <li>● Articulated Stand, holding arm should be mechanical L shaped.</li> <li>● Should have one mechanical central clamp for all minimum five or more joints joint moving functions, Should have height 48 to 50 cm, Should have operating range 50 to 52 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Socket to clamp on the operating table,</li> <li>● Should be able to use with European and United States standard rails,</li> <li>● Should also be suited for rails from 25x10 up to 35x8 mm, with lateral clamping element for height adjustment of the articulated stand</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Clamping Jaw, Should be of metal, Should be for use with instrument and telescope sheaths, clamping range 4.8 up to 12.5 mm,.</li> </ul>	1		
<ul style="list-style-type: none"> <li>● Adaptor autoclavable should be used to keep telescope head in sterile condition in situation where more than one scope is used in</li> </ul>	2		

<ul style="list-style-type: none"> <li>one surgery.</li> <li>Or need to change scope between the surgeries.</li> </ul>			
<ul style="list-style-type: none"> <li>Plastic Container for Sterilization and Storage of Variable Instrument Sets,</li> <li>Should be perforated, should be with silicone mat, should be having two-level storage, and should have minimal external dimensions (w x d x h): 545 x 260 x 115 mm, the plastic containers Should be suitable for steam, gas and hydrogen sterilization.</li> </ul>	2		
<b>PAEDIATRIC VENTRICULOSTOMY SET SPECIFICATION.</b>			
<ul style="list-style-type: none"> <li>Ventriculoscope, small, Wide Angle Straight Forward Telescope 6°, with angled eyepiece, outer diameter 3.6 mm, length 18, working channel diameter 1.6 mm, with suction and irrigation channel diameter 0.8 mm, autoclavable, with irrigation adapter, fiber optic light transmission incorporated, for use with: small operating sheath.</li> </ul>	1		
<ul style="list-style-type: none"> <li>Forward Oblique- Telescope 0°, enlarged view, diameter 2 mm, length 26 cm, autoclavable, and fiber optic light transmission incorporated.</li> </ul>	1		
<ul style="list-style-type: none"> <li>Obturator, for use with operating sheath.</li> </ul>	1		
<ul style="list-style-type: none"> <li>Obturator, for use with operating sheath and 0 degree diagnostic scope</li> </ul>	1		
<ul style="list-style-type: none"> <li>Operating Sheath, small, outer diameter 4.5 mm, working length 13.3 cm.</li> </ul>	1		
<ul style="list-style-type: none"> <li>Biopsy Forceps, double action jaws, diameter 1.3 mm, working length 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>Scissors, single-action jaws, semi-rigid, diameter 1.3 mm, working length 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>Unipolar Coagulating Electrode, semi-rigid, diameter 1.3 mm, working length 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>Bipolar Coagulation Electrode, diameter 1.3 mm, working length 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>Grasping Forceps, double-action jaws, semi-rigid, diameter 1.3 mm, working length 30 cm</li> </ul>	1		
<ul style="list-style-type: none"> <li>Bipolar Coagulation Electrode, semi-rigid, O.D. 1.3 mm.</li> </ul>	1		
<b>Part 1 C– Skull base Endoscopy Surgery Set</b>			
<b>SURGICAL WRITE UP:</b>			
<ul style="list-style-type: none"> <li>Endoscopic management of CSF rhinorrhoea , Optic Nerve decompression, Pituitary macro and micro adenomas transclival chordomas and far extended approaches for all lesions from Crista galie to CV junction using transclival transplanum transcribriform approach.</li> </ul>			
<b>TECHNICAL SPECIFICATION</b>			
<ul style="list-style-type: none"> <li>Straight Forward Telescope 0°, Should be with enlarged view,</li> <li>Should have diameter 4 mm, Should have length 18 cm, Should be autoclavable,</li> <li>Should have fiber optic light transmission incorporated</li> </ul>	1		
<ul style="list-style-type: none"> <li>Forward-Oblique Telescope 30°, Should have enlarged view with diameter 4 mm, Should have length 18 cm Should be autoclavable,</li> <li>Should have fiber optic light transmission incorporated</li> </ul>	1		
<ul style="list-style-type: none"> <li>Suction and Irrigation Sheath for 0° and 30 degree scope ,</li> <li>Should be vertical oval in shape with diameter 4.8 mm x 6 mm,</li> </ul>	1 each		

<ul style="list-style-type: none"> <li>● Should have separate channel for suction and irrigation</li> </ul>		
<ul style="list-style-type: none"> <li>● Straight forward Telescope with straight eye piece of scope,</li> <li>● Should have diameter 4 mm.</li> <li>● Should have length 18 cm.</li> <li>● Should be autoclavable.</li> <li>● Should have Angle of view - 15 or 20 or 30 Degree, Should have Angle of view - 45 Degree, Should have Angle of view - 70 Degree, Should have Angle of view - 90 Degree,</li> </ul> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> <li>● one single telescope diameter 4mm length 18cm with variable direction of view from 15 degree to 90degree, adjustment knob for selecting the desired direction of view, fiber optic light transmission incorporated,</li> </ul>	2 each	
<ul style="list-style-type: none"> <li>● Irrigation and Suction Sheath, Should have outer diameter 4.8 x 6 mm, working length 14 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Straight Forward Telescope 0° &amp; 30 degree, Should have enlarged view , Should have diameter 4 mm, Should have length 30 cm, Should be autoclavable, fiber optic light transmission incorporated</li> </ul>	1 each	
<ul style="list-style-type: none"> <li>● Suction and Irrigation Sheath 0° &amp; 30 degree, Should have vertical oval shape ,</li> <li>● Should have diameter 4.8 mm x 6 mm,</li> <li>● Should have separate channel for suction and irrigation</li> </ul>	1 each	
<ul style="list-style-type: none"> <li>● Telescope lens tip cleaning system, should have suction and irrigation option with one push button. Irrigation should be active only when desired by either mechanical push button or with electrical on/off foot switch.</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Nasal Forceps, 45° upturned, size 1, with cleaning connector, should have working length 12 to 13 cm</li> </ul>		
<ul style="list-style-type: none"> <li>● Nasal Forceps, straight, size 1, with cleaning connector, should have working length 12 to 13 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Nucleus Cutting Forceps, single action jaws, jaw should be opening upwards, forceps diameter should be 3.5 mm, should have working length 19 to 20 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Spoon Forceps, spoon size 3 x 10 mm, single action jaws, working length 17 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Round Knife 0°, width 2 mm, working length 13 cm, total length 23 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Round Knife 90°, width 2 mm, working length 13 cm, total length 23 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Dissector, tip 45°, width 1 mm, working length 13 cm, total length 23 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Dissector, tip 90°, width 1 mm, working length 13 cm, total length 23 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Dissector, sharp, round spatula, tip angled 45°, size 2 mm, with round handle, length 25 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Hook, 90°, blunt, length 25 cm, with round handle</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Micro Raspatory, 2 mm wide, curved, left, length 27 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Micro Raspatory, 2 mm wide, curved, right, length 27 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Elevator, double-ended semi-sharp and blunt, length 26 cm</li> </ul>	1	
<ul style="list-style-type: none"> <li>● Elevator, double-ended, angled end shovel-shaped, semisharp, blunt end slightly curved, length 26 cm</li> </ul>	1	

● Elevator, double-ended, blunt end angled, semisharp end slightly curved, graduated, length 26 cm	1
● Scissors, straight, should have small handle, with cleaning connector, working length 18 cm	1
● Scissors, curved to right, should have small handle, with cleaning connector, working length 18 cm	1
● Scissors, curved to left, should have small handle, with cleaning connector, working length 18 cm	1
● Scissors, curved upwards, should have small handle, with cleaning connector, working length 18 cm	1
● Scissors, upturned 45°, delicate, should have sheath 360° rotatable, with cleaning connector, working length 18 cm	1
● Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1.5 mm, straight sheath, straight jaws, with cleaning connector, working length 18 cm	1
● Nasal Forceps, with extra fine flat jaws, through-cutting, tissue sparing, width of cut 1.5 mm, ● straight sheath, jaws angled upwards 45°, with cleaning connector, working length 18 cm	1
● Forceps, very delicate, oval cupped jaws 0.9 mm, straight, working length 18 cm	1
● Forceps, very delicate, oval cupped jaws 0.9 mm, curved upwards, working length 18 cm	1
● Miniature Grasping Forceps, serrated, straight, working length 18 cm	1
● Miniature Forceps, through-cutting, with fine flat jaws, bite 1 mm, straight, working length 18 cm	1
● Miniature Forceps, through-cutting, with fine flat jaws, bite 1 mm, curved up, working length 18 cm	1
● Retractable knife with handle and push button for straight cut knife blade and sickle shape knife blade	Set of 2 (1 Knife each)
● Curette, round spoon, tip slightly angled, size 2 mm, with round handle, length 25 cm	1
● Ring-Curette, round wire, ductile, ID 3 mm, tip angled 45°, with round handle, length 25 cm	1
● Ring-Curette, round wire, ID 3 mm, tip angled 90°, with round handle, length 25 cm	1
● Curette, round wire, Id 5 mm, tip angled 90°, with round handle, length 25 cm	1
● Curette, round wire, ID 3 mm, distally curved shaft, with round handle, length 25 cm	1
● Curette, round wire, ID 5 mm, tip laterally angled 90°, with round handle, length 25 cm	1
● Curette, bendable up to 90°, round spoon, size 3.5 mm, working length 20cm, with LUER lock adaptor for cleaning, consisting of: Metal Handle without ratchet, ● Outer Tube with Insert	1
● Curette, round, benable up to 90°, size 3.8 mm, working length 20 cm, with LUER lock adaptor for cleaning, consisting of: Metal Handle with ratchet , ● Outer Tube with Insert	1
● Suction-Curette, with round wire, ID 5 mm, tip angled 45°, LUER, length 25 cm	1
● Suction, Curette, basket-shape, round wire, size 5 mm, rotating tubing-connector, LUER, length 25 cm,	1

<ul style="list-style-type: none"> <li>● Ring-Curette, bayonet-shaped, round wire, Id 5 mm, tip angled 90° upwards, with round handle, length 25 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Ring Curette, bayonet-shaped, blunt, tip angled upwards 45°, outer diameter 4 mm, with round handle, working length 25 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Ring Curette, bayonet-shaped, blunt, tip angled to left 90°, outer diameter 3.3 mm, with round handle, working length 25 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar Forceps, rounded tip, width 2 mm, outer diameter 3.4 mm, working length 20 cm, consisting of: Bipolar Ring Handle, Outer Sheath, Inner Sheath, Forceps Insert</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar Forceps, should have tip 1 mm with delicate jaws, should have distally angled 45°, horizontal closing, outer diameter 3,4 mm, working length 20 cm.</li> </ul>	2
<ul style="list-style-type: none"> <li>● Bipolar Forceps, should have tip 2 mm ,should have distally angled 45°, horizontal closing, outer diameter 3.4 mm, working length 20 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar Forceps, should have tip 4 mm, should have distally angled 45°, horizontal closing, size 3.4 mm, working length 20 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar High Frequency Cord, length 300cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Coagulation Ball Electrode, diameter 2 mm, laterally curved, working length 13 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Unipolar High Frequency Cord, length 300 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Suction Tube, with cut-off hole, drop-shaped, with distance markings, LUER, conical distal end, tip curved upwards, ball end, 2.4 mm, working length 15 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Suction Tube, with cut-off hole, drop-shaped, with distance markings, LUER, conical distal end, malleable, 6 Fr., working length 15 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Suction Tube, malleable, with conical tip, with elongated cut-off hole and stylet, LUER, working length 12 cm, 6 Fr.</li> </ul>	1
<ul style="list-style-type: none"> <li>● Suction Tube, malleable, with conical tip, with elongated cut-off hole and stylet, LUER, working length 18 cm, 6 Fr.</li> </ul>	1
<ul style="list-style-type: none"> <li>● Insulated Cannula for suction and coagulation, O.D.: 3 mm, 90° curved, working length 16cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Insulated Cannula for suction and coagulation, O.D.: 3,6 mm, 90° curved, working length 16cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should be detachable, rigid, up biting 60° forward cut, size 1 mm, working length 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should be detachable, rigid, up biting 60° forward, size 2 mm, working length 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should be detachable, rigid, down biting 60° forward, size 1 mm, working length 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should be detachable, rigid, down biting 60° forward, size 2 mm, working length 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Plastic Container for Sterilization and Storage of Variable Instrument Sets, perforated, with transparent lid, with silicone mat, two-level storage,</li> <li>● (1 additional insert), external dimensions (w x d x h): 545 x 260 x 115 mm consisting of: 2x 39360 AP Snap</li> </ul>	2
<ul style="list-style-type: none"> <li>● Plastic Container for sterilizing, suitable for steam, gas, and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, external dimensions</li> <li>● (w x d x h): 321 x 90 x 45 mm for use with two rigid endoscopes up to max. 20 cm working length</li> </ul>	2

<b>Part 1 D: Specification of Flexible video neuroscope for complete visualisation/inspection of ventricles and aqueduct, treatment of aqueductal stenosis, placement of stents.</b> -	1
<ul style="list-style-type: none"> <li>● Neuro video flexible Endoscope should be able to transmit outstanding image quality when complained with HD camera system neuro flexible video endoscope.</li> <li>● Should be able to use in tight spaces like aqueduct stenosis. Neuro flexible video endoscope</li> <li>● Should be able to perform endoscopy of the subdural and subarachnoid space.</li> <li>● Video flexible neuro endoscope must be single piece flexible scope and camera head.</li> <li>● An inbuilt camera head must be in flexible scope and the same must be used with camera trolley directly in video processor of camera trolley.</li> <li>● Should have infinitely variable deflection feature variable deflection up to minimum 270 degree both side up &amp; down.</li> <li>● Should have excelled image quality with light cables incorporated in scope</li> <li>● Should feature digital zoom minimum up to 2x magnification to be able to improve detail resolution for high precision work.</li> <li>● Should have integrated working channel to allow intraoperative use of flexible instrument size up to 1mm.</li> </ul> <p><b>Technical specification:</b></p> <ul style="list-style-type: none"> <li>● Should be flexible, Should be steerable, direction of view 0°, angle of view 90°,</li> <li>● Should have working channel maximum size 3.5 Fr to 3.6 Fr. ( approx. 1.2mm)</li> <li>● Should have sheath size maximum sheath size 8.4 Fr to 8.5 Fr., (approx. 2.8mm)</li> <li>● Should have Working length 32 to 35 cm</li> <li>● Should be supplied with storage case.</li> <li>● Should be GAS and plasma sterilisable</li> <li>● Plastic container for flexible scope sterilisation and storage</li> </ul>	
<p><b>Instruments to be used with flexible videoscope neuro-</b></p> <ol style="list-style-type: none"> <li>1. Grasping Forceps, Should be double action jaws, Should be flexible with diameter maximum 1.0 mm and length minimum 60 cm</li> <li>2. Biopsy Forceps should have double action jaws, should be flexible, should have diameter maximum 1.0 mm, should have length minimum 60 cm</li> <li>3. Coagulating Electrode Unipolar, flexible, 1.0 mm, length 73 cm</li> <li>4. Unipolar High Frequency Cord, with 4 mm plug, length minimum 300 cm, For use with HF units</li> </ol>	1 each
<p><b>Video processor link to connect the videoscope with main camera unit</b></p> <p>Link to connect the flexible videoscope with main camera processor for high quality HD picture quality comparable to rigid endoscopes</p>	1
<p><b>Adaptor to connect the existing Carl Zeiss microscope with the endoscopy tower for display, recording, broadcasting in full HD quality.</b></p> <ol style="list-style-type: none"> <li>1. TV Adaptor, for CARL ZEISS operating microscopes, f=55 mm recommended for endoscopy camera heads -</li> <li>2. Adaptor for use with endoscopy Camera Heads with a Grasping Mechanism to connect with a C-MOUNT thread</li> </ol>	1

**Annexure-II**  
**Neuro Spine Endoscopy Specifications Part 2**

**General specifications and terms**

- All units/ items including accessories should have quality certificate such as BIS/ISO/USFDA/European CE certified.
- 5 year warranty & 5 year CMC (wherever applicable) should be included.
- Principal Company should have registered Office and Service Network in India, preferably Central India for better service support.
- User manuals should be in English. Provision of trained manpower support for at least for initial 6 months after installation or up to a period when the staff/technicians at AIIMS Raipur are trained in handling, storage and proper sterilization methods of supplied equipment has to be ensured by the bidder.
- Compliance statement should be submitted in a tabulated and point wise manner.
- Should have supplied quoted endoscopy instruments to AIIMS, PGI, and NIMHANS; and should submit satisfactory performance certificate from the institute.
- All firms are required to submit their catalogue along with tender clearly marking the quoted items and number with highlighter. If necessary demonstration will be taken to ensure product quality.
- All items under particular serial number will be purchased together from single manufacturer.
- Product quality certificate required.

**A. Spine Set for Disc Herniation**

**B. Endoscopy Spine Set with sequential dilators and scope**

**C. Exoscope with Pneumatic Universal holding arm**

<b>Part 2A Endoscopic Spine Set for with sequential dilators and scope</b>	
Surgical Write up - Endoscopic Discectomy, Decompression of the Spinal Canal. Universal system for minimally invasive lumbar and dorsal cervical disc and spinal surgery. System must combine all the advantages of microsurgery and spinal endoscopy surgery. The use of a dilator system in conjunction with various size trocars must afford the main advantage of minimal incisions and least muscle trauma. Endoscopy Set must be BIS.ISO/US FDA/European CE.	
<b>TECHNICAL SPECIFICATION:</b>	
Dilation Sleeve Set of 7 dilators should be graduated, 1. Inner diameter 1.5mm, Outer diameter 16.5 length 23cm. 2. Should have outer diameter 8.9 mm, should have inner diameter 5.3 mm, length 21 cm. 3. inner diameter 9 mm, outer diameter 12.7 mm, length 19 cm. 4. Should have outer diameter 14.9mm, inner diameter 12.9mm, graduated, length 17cm.	Set of 7 (1 dilator each)

5. Should have outer diameter 16.9 mm, inner diameter 15.1 mm, graduated, length 15 cm.	
6. Should have outer diameter 18.9 mm, inner diameter 17.1 mm, graduated, length 14 cm.	
7. should have outer diameter 20.9 mm, inner diameter 19 mm, graduated, length 13 cm.	
<ul style="list-style-type: none"> <li>Telescope 25° with eyepiece angled at 90° with no working channel, telescope should have diameter 4 mm,</li> <li>telescope should come in length 6 cm should be autoclavable with fiber optic light transmission incorporated, telescope should be used with 4 -4.5 cm length trocar set</li> </ul>	1
<ul style="list-style-type: none"> <li>Telescope 25° with eyepiece angled at 90° with no working channel, telescope should have diameter 4 mm,</li> <li>telescope should come in length 6 cm, should be autoclavable with fiber optic light transmission incorporated, telescope should be used with 7 -7.5 cm length trocar set</li> </ul>	1
Trocar Set should come in 6 different combinations, 1. trocar diameter 15 mm Trocar length 40 mm, 2. trocar diameter 15 mm Trocar length 70 mm, 3. trocar diameter 19 mm Trocar length 40 mm, 4. trocar diameter 19 mm Trocar length 70 mm, 5. trocar diameter 23 mm Trocar length 45 mm, 6. trocar diameter 23 mm Trocar length 75 mm	Set of 6 (1 trocar each)
<ul style="list-style-type: none"> <li>Accessory/attachment/scope holders for 15, 19 and 23 mm trocar set of 6</li> </ul>	Set of 6 (1 each)
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning, 40° forward up biting with bite size 4 mm, working length 23.5 to 24 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning, should be, 40° up biting, with bite size 2 mm, working length 23.5 to 24 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning, should be 90° up biting with bite size 2 mm, , working length 23.5 to 24 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning , should be 90° up biting, with bite size 4 mm, working length 23.5 to 24 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning , should be bayonet shape down biting 40°, forward, with bite size 2 mm, should have working length 16.5 to 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bone Punch should be detachable for cleaning, should be bayonet shape up biting 40° forward, with bite size 2 mm,</li> <li>Should have working length 16.5 to 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Suction Tube, should be with cut-off hole for suction control, working length 14.5 to 15 cm, diameter 2.5 to 2.7 mm</li> </ul>	1
<ul style="list-style-type: none"> <li>Suction Tube, should be with distal nerve retractor along with cut-off hole for suction control Should have diameter 2.5 - 2.7 mm, working length 14.5 to 15 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Nerve Retractor, should be angled 30°, distal should have inner diameter 5 mm, should have working length 16.5 to 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Dissector with sharp tip angled 15°, should have round handle, tip distill size should be 2 mm, Should be having length 24-25 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Palpation Hook, should be with distally 10 mm long with angled 90°, with ball at the end of tip,</li> </ul>	1

working length 19 to 20 cm	
<ul style="list-style-type: none"> <li>Spoon Forceps with oval shape jaw. spoon size 3 x 10 mm, should have single action jaws,, working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Spoon Forceps, with up curved 30°, cup shape oval,, spoon size 3 x 10 mm, single action jaws, working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Scissors with hook shape jaw with single action jaws, size 2.7 to 2.7 mm, working length 25-26 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Socket to clamp on the operating table, Should be able to used with European and United States standard rails, Should also be suited for rails from 25x10 up to 35x8 mm, with lateral clamping element for height adjustment of the articulated stand, should be rotatable</li> </ul>	1
<ul style="list-style-type: none"> <li>Articulated Stand, holding arm should be mechanical L shaped. Should have one mechanical central clamp for all minimum five or more joints moving functions,</li> <li>Should have height 48 to 50 cm, Should have operating range 50 to 52 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Nerve Retractor with hook length 1.9-2 mm, diameter 3.9-4 mm, with angled sheath, working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Nerve Hook should have inner diameter 5 mm, should be bayonet in shape wit length 15.5-16 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Nerve Hook should have inner diameter 3 mm, should be bayonet in shape wit length 15.5-16 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Palpation Hook should be bayonet shaped, should be distally angled 90° with ball end, with round handle, working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Surgical handle, should be bayonet-shaped with working length 15-15.5 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>Nucleus Cutting Forceps should have single action jaws , should have diameter 3.3-3.5 mm, working length 19 to 20 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>Bipolar Forceps, Should have rounded tip, Should have tip inner diameter 2 mm, Should have outer diameter 3.4 mm, Should have working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bipolar Forceps, Should have tip inner diameter 1 mm with delicate jaws, Should have distally angled 45°, Should have horizontal closing, Should have outer diameter 3.4 mm, Should have working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Bipolar High Frequency Cord , with 2 x 4 mm banana-plug to Coagulator , length minimum 300 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>Plastic Container for Sterilization and Storage of Variable Instrument Sets, Should be perforated, with transparent should have inner diameter, Should be with silicone mat, should be having two-level storage</li> <li>Should have minimal external dimensions (w x d x h): 545 x 260 x 115 mm The plastic containers Should be suitable for steam, gas and hydrogen peroxide</li> </ul>	3
<b>Part 2B - Spine Set for Disc Herniation</b>	
Surgical Write up - Spine Set for central to far lateral disc herniation and lumbar spinal stenosis. Set must be mobile device to give freedom of cranial, cordial, medial & lateral movement. Endoscopy Set must be US FDA and European CE	
<b>TECHNICAL SPECIFICATION:</b>	
<ul style="list-style-type: none"> <li>Localization Device for Lumbar Spinal Cord, a metal unique device for localization of lumbar spinal, vertebra in fluoroscopic light for determination of the point of incision, this should be able to cover from pediatric to adult patient,</li> <li>this should be able to cover from lean to overweight patient</li> </ul>	1
<ul style="list-style-type: none"> <li>Straight Forward Telescope 0°, Should be with enlarged view, should have diameter 4 mm, Should have length 18 cm, Should be autoclavable,</li> <li>Should have fiber optic light transmission incorporated</li> </ul>	1

<ul style="list-style-type: none"> <li>● Operating Tube for posterior mid line approach , tube should be oval in shape ,</li> <li>● should supplied with obturator</li> </ul>	1
<ul style="list-style-type: none"> <li>● Working tube, should come with Hight adjustment option, should come with inbuilt detachable adjustable Nerve Protector/retractable, should be used with operating tube, should have 3 channel 1.</li> <li>● Scope fixing channel 2. operating channel 3. separate channel for suction tube should have minimum working channel of 8mm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Chisel should be flat, straight, with non-slippery handle, should have tip from 14 to 15 mm, should have working length 8.5 to 9 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Suction Tube should be angled, should be with suction control hole, should have diameter 3.6 to 3.7 mm, should have working length 11 to 11.5 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Spoon/disc forceps, should be dismantling. Should be oval in shape with only single jaws moving. Should have spoon size 3 x 10 mm , should have working length 14.5 to 15 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Elevator, should have spatula shape with slightly curved tip , should have distal tip should have inner diameter 4.7 to 5 mm, should have working length 13 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Hook should be blunt, should be distally angled 90°, hook length 5.5 mm to 5.4mm, should have working length 13 to 14 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Trephine for puncturing disc and for shaving bone. should be with round handle, should have diameter 2.8 to 3 mm, should have working length 22 to 22.5 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should have dismantling option, should have 90° up biting cut, should have bite size 3 mm, should have working 17.5 to 18.5cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch, should have dismantling option, should have up biting 45° forward, should have bite size 3 mm, should have working 17.5 to 18.5cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar Forceps, should have distill tip rounded , should have tip diameter 1.9 to 2 mm, should have outer diameter 3.3 to 3.4 mm, should have working length 19 to 20 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar Forceps, Should have rounded tip, Should have tip diameter 2 mm, Should have outer diameter 3.4 mm, Should have working length 19 to 20 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bipolar High Frequency Cord with 2 x 4 mm banana-plug to Coagulator , length minimum 300 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Ball Probe, should have 4 mm diameter ball at the distill end of probe should be straight with working length 13 to 13.5 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Hook for palpation of nerve , should be blunt with distal end double curved should have working length 13 to 13.5 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Localization Device for Cervical Spinal Cord a metal unique device for localization of cervical spinal vertebra in fluoroscopic light for determination of the point of incision, this should be able to cover from pediatric to adult patient, this should be able to cover from lean to very over weight patient</li> </ul>	1
<ul style="list-style-type: none"> <li>● Tissue Retractor Blade , with length 16 to 17 cm,, should be double-ended,, should have size 35 mm x 10 mm and 21 mm x 10 mm of both end</li> </ul>	2
<ul style="list-style-type: none"> <li>● Retractor Blade for tissue , should be conical in shape, should have length 4.5 to 5 cm</li> </ul>	2
<ul style="list-style-type: none"> <li>● Bone Punch , should be detachable in 2 pieces for cleaning, should have up biting 90° forward cut with bite size 2 mm, should have working length 16.5 to 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Bone Punch , should be detachable in 2 pieces for cleaning, should have up biting 40° forward cut with bite size 2 mm, should have working length 16.5 to 17 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>● Plastic Container for Sterilization and Storage of Variable Instrument Sets,</li> </ul>	2

Should be perforated, with transparent lid, Should be with silicone mat, should be having two-level storage, Should have minimal external dimensions (w x d x h): 545 x 260 x 115 mm The plastic containers Should be suitable for steam, gas and hydrogen peroxide	
<b>Part 2C- Exoscope</b>	
<b>Technical / surgical Write up</b> - Exoscope a unique visualization system with for open surgery with minimal access – Telescope for visualization magnification and broadcasting of all neuro and spine surgical procedures	
<b>TECHNICAL SPECIFICATION:</b>	
<ul style="list-style-type: none"> <li>Exoscope with either 0 degree or 90 degree view should have inbuilt light transmission rod lenses with 2 light outlet point at the tip of scope should be used in working distance minimum 25 - maximum 75 cm, not to be used with contact with patient , length should be 10 - 11 cm, should be autoclavable.</li> <li>when scope apparatus kept at min height of 25 cm depth of field should be in the range of 3 to 4 cm when scope apparatus kept at max height of 75 cm depth of field should be in the range of 9.5 to 10.5 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Fiber Optic Light Cable SHOULD have with straight connector, should be extremely heat-resistant with enhanced light transmission, should have diameter 4.6 to 4.8 mm, should have length 300 to 310 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Clamping Cylinder, a autoclavable plastic folding cylinder which can be opened vertically to be fixed on 10mm telescope , this should be able to be used as sheath to 10mm telescope with cylinder length not more than 4cm for 10-11 cm scope</li> </ul>	1
<ul style="list-style-type: none"> <li>Clamping Jaw, Should be of metal, Should be for use with instrument and telescope sheaths, clamping range 16.5 up to 23 mm,.</li> </ul>	1
<b>FORAMINOSCOPY SET</b>	
<ul style="list-style-type: none"> <li>Wide Angle Telescope 25°, oblique view, outer diameter 6.6 mm, working channel diameter 3.6 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated.</li> </ul>	1
<ul style="list-style-type: none"> <li>Operating Sheath, distal 45° oblique, integrated irrigation adaptor, outer diameter 7.5 mm, inner diameter 6.8 mm, length 17 cm.</li> </ul>	2
<ul style="list-style-type: none"> <li>Dilation Sleeve, with two ports, outer diameter 6.5 mm, inner diameter 1.4 mm, length 22 cm.</li> </ul>	1
<ul style="list-style-type: none"> <li>Punch Sleeve, for use with operating sheaths</li> </ul>	1
<ul style="list-style-type: none"> <li>Fixation Handle, for adjustment of dilation sleeves with outer diameter 2.5 - 6.5 mm</li> </ul>	1
<b>Hand Instruments</b>	
<ul style="list-style-type: none"> <li>Mallet, with Nylon replacement, length 22.5 cm</li> </ul>	1
<ul style="list-style-type: none"> <li>Palpation Hook, rotating, dismantling, not insulated, without connector pin for unipolar coagulation, with Lock irrigation connector for cleaning, with distal ball, bendable to 90°, diameter 2.7 mm, working length 36 cm consisting of: Metal Handle, without ratchet, with plastic rings with larger contact area Outer Sheath with Palpation Hook Working Insert</li> </ul>	1
<ul style="list-style-type: none"> <li>Palpation Hook, with distal ball, bendable to 90°, with irrigation connector for cleaning, diameter 3.5 mm, working length 36 cm, consisting of: Metal Handle, without ratchet, Outer Sheath with Palpation Hook Working Insert .</li> </ul>	1
<ul style="list-style-type: none"> <li>Palpation Hook, distally angled 45°, diameter 2 mm, working length 34 cm</li> </ul>	1

● Dissector, Ø 2,6 mm, working length 36 cm, distally 45° bended.	1
● Punch, dismantling, 90° down biting, not through-cutting, working length 30 cm, consisting of: Punch Insert , Outer Sheath , Handle .	1
● Punch, dismantling, 45° down biting, not through-cutting, working length 30 cm, consisting of: Punch Insert , Outer Sheath, Handle	1
● Forceps with distal hook, rotatable, single action jaws, size 3.5mm, working length 36cm, consisting of: Plastic Handle, without ratchet with connector pin for unipolar coagulation , Biopsy forceps insert with distal hook, working length 36 cm, diameter 35 mm	1
● Grasping forceps with 90° opening, single action jaws, Ø 3,5 mm, working length 36 cm	1
● Grasping Forceps, double action jaws, diameter 2.7 mm, length 36 cm	1
● Grasping Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with -Lock-adaptor for cleaning, single action jaws, fenestrated, size 3 mm, length 36 cm, consisting of: Plastic Handle, without ratchet ,Outer Sheath, with forceps insert	1
● Deflectable Punch, Ø3,5mm, working length 360mm.	1
● Deflectable Forceps, Ø3,5mm, working length 360mm .	1
● Trepine, with round handle, inner diameter 3.2 mm, outer diameter 4.2 mm, working length 22 cm	1
● Trepine, inner diameter 1.6 mm, outer diameter 2.7mm, working length 30 cm with edged handle.	1
<b>Bipolar &amp; cords</b>	
● Angled bipolar probe, Ø 2,5 mm, working length 36 cm consisting of Bipolar probe insert , Sheath for probe ,Bipolar Spring Handle.	1
● Bipolar High Frequency Cord, length 300 cm.	1
<b>Containers for Sterilization</b>	
● Plastic Container for Sterilizing and Storage, perforated, with transparent lid, with inserts for two angled rigid telescopes, external dimensions (w x d x h): 515 x 240 x 84 mm	1

**Warranty and CMC:**

- Should provide Warranty period: As per mentioned on the Annexure and CMC after warranty as per mentioned on the Annexure.
- Availability of spares for at least 10 years after date of installation.
- Comprehensive warranty would include all parts-plastic, metallic, glass, batteries and rubber (without any exclusion) except the consumable accessories listed above.
- Comprehensive warranty would include periodic checking and periodic calibration of all parameters strictly as per manufacturer's recommendations (at least every 6 month) and any spares or standards required for that.
- Should have online and telephonic registration of the complaints.
- Should have resident service engineer available in Raipur within 24 hrs to solve the complaints.
- Down time of the equipment will start from the time of lodgement of first complaint.
- The company must ensure that the machine remains FULLY functional all the time for the period of warranty and CMC.
- No request in this regard will be entertained on the pretext of on availability of items with the supplier/company.
- Prices of all Equipment's and CMC should be quoted separately and frozen for the period including warranty and CMC.
- Should have local service facility and should have the necessary equipment's to carry out preventive maintenance test.
- Onsite physical demonstration and training of the equipment to all the end users with all the requested facilities will be mandatory.
- Original literature, and not the photocopy, to be supplied with the quotation.
- Company should certify that model quoted is latest and not obsolete, and spares are available for minimum 5 years after warranty (5 years).
- Warranty and CMC should be provided by company and accessories should be included in warranty and CMC.
- Should provide the preventive maintenance in every 6 month and also calibrate the machine at the time PM if required.

## **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**

- 1) 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 Enrolment” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) 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.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) 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.
- 6) 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**

- 1) 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.
- 2) 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 / e-mail in case there is any corrigendum issued to the tender document.
- 3) 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**

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

- 2) 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
- 3) 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.
- 4) 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 formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- 5) 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**

- 1) 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.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) 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.
- 6) 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.

- 7) 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.
- 8) 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.
- 9) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 10) Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 11) 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**

- 1) 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.
- 2) 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.