

All India Institute of Medical Sciences

Veerbhadr Marg, Pashulok,

Rishikesh-249203



**Tender document for procurement of
OT Table for various OT's in Institute**

AIIMS, Rishikesh

Ref. No.	:	24/OT/328(i)/2018-Rish(Admn)
Publishing Date	:	20-04-2018 at 9.00 AM
Pre-Bid Meeting	:	26-04-2018 at 3.00 PM
Bid Submission Start Date	:	01-05-2018 at 9.00 AM
Last Date of Bid Submission	:	14-05-2018 at 3.00 PM
Bid Opening	:	15-05-2018 at 3.30 PM

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

TENDER NOTICE

OT Table for Various departments

AIIMS, Rishikesh, Virbhadra Marg, Rishikesh, Dehradun

Dated:20-04-2018

1. E-tenders in Two Bids (Technical & Financial) are invited on behalf of the Director, All India Institute of Medical Sciences, Rishikesh from interested and eligible manufacturer or their authorised distributors/dealers, for providing **OT Table for various OT's** at AIIMS Rishikesh.

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

3. The complete bidding process is online. Bidders 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. For any assistance for e-bidding process, if required, bidder may contact to the helpdesk at 0135-2462915.

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

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

6. Hard Copy of original technical bid with earnest money deposit and tender fee etc. must be delivered to AIIMS, Rishikesh on or before last date/time of Bid Submission as mentioned above. The bid without EMD and tender fee will be summarily rejected. The scanned copy of the EMD and Tender fee should be attached in the technical bid.

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

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

8. Any future clarification and/or corrigendum(s) shall be communicated through Administrative Officer on the AIIMS, Rishikesh website: www.aiimsrishikesh.edu.in. And other Central Government Procurement Websites (*subject to its access of AIIMS Rishikesh*). The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only these bids, taking care of such corrigendum(s) shall be considered for finalisation of the tender.

9. Bidder should necessarily enclose a covering letter mentioning a summary of applied document with proper numbering. Secondly, bid should also attach a compliance sheet as per specification mentioning that they are complying to all specification or have any variation.

10. The pre bid conference would be held on **26-04-2018 at 03.00 PM** in the office of Tender Opening Room, AIIMS, Rishikesh. All firm's representative who are attending the pre bid meeting, shall produce an authorization letter from their firm on the firm's letter head. They are required to put their query in writing before the committee and submit the same in writing on its letter head.

11. All the duly filled/completed pages of the tender should be given serial /page number on each page and signed by the owner of the firm or his Authorized signatory. In case the tenders are signed by the Authorized signatory, a copy of the power of attorney/authorization may be enclosed along with tender. A copy of the terms & conditions shall be signed on each page and submitted with the technical bid as token of acceptance of terms & conditions. Tender with unsigned pages/incomplete/partial/part of tender if submitted will be rejected out rightly.

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

13.(i) **Bid Security:** -The bidder shall pay the respective amount of Bid Security (EMD) as mentioned in table-I along with the Technical Bid by way of demand draft/FD/TD/CD in favour of “AIIMS, Rishikesh” drawn on any Nationalized Bank/ Scheduled Bank and payable at Rishikesh and must be valid for (6) six month. Bids received without tender fees and Earnest Money deposit (EMD) shall stand rejected and thus shall not be considered for evaluation etc. at any stage. The original EMD will be put in cover-I containing with Technical bid.

- a) The Public Sector Undertaking of the Central/State Govt./MSEs/MSME/Registered with Central Purchase Organization are exempted from furnishing Earnest Money along with tender,**subject to submission of its valid proof.**
- b) The firms Registered with DGS & D/SSI and any approved source of Centre/States Govt. are not exempted from furnishing Earnest Money in so far as this institute is concerned.
- c) Earnest Money deposited with AIIMS, Rishikesh in connection with any other tender enquiry even if for same/similar material / Stores by the tenderer will not be considered against this tender.

(ii) EMD is required to protect the purchaser against the risk of Bidders conduct. The EMD will be forfeited if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender or if it comes to the notice that the information/ documents furnished in its tender is incorrect or false.

14. The bid security (EMD) without interest shall be returned to the unsuccessful bidders after finalization of contract with successful bidder.

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

16. The successful bidders have to execute a contract on Indian non judicial stamp paper of Rs.100/- (Rupees one hundred only) within twenty-one (21) days from the date of award of this tender in his favour and also required to furnish the **Security Deposit @ 10%** of contract value in the form of FD/BG/TD/CD for **three months extra of the contract period** from any Nationalised/Schedule bank duly pledged in favour of AIIMS, Rishikesh & payable at Rishikesh only. The EMD deposited by successful bidder may be adjusted towards Security Deposit as demanded above after its validation for the required period. If the successful bidder fails to furnish the full security deposit or difference amount between Security Deposit and EMD within 21 (twenty-one) days after the issue of **Letter of Award** of Work, his bid security (EMD) shall be forfeited and award of tender in suppliers favour automatically stands terminated at his cost & liability, unless time extension has been granted by AIIMS, Rishikesh.

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

18. The bid shall be valid and open for acceptance by the competent authority of AIIMS Rishikesh for a period of 180 (one hundred eighty) days from the published date of opening of the tenders and no request for any variation in quoted rates and / withdrawal of tender on any ground by bidders shall be entertained. The unilateral withdraw at any stage will cause forfeiture of EMD in addition to any remedy that the purchaser may have under the law.

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

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

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

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

23. The tender form is not transferable.

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

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

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

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

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

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

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

a. **Manufacturer** must add a certificate that item(s) is manufactured by them as per range of products.

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

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

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

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

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

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

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

34. The tenderer hereby guarantees that the equipment supplied to the Institute (purchaser) under the Contract shall be of the best quality/latest version and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars contained/ mentioned in the Tender Document. The date of manufacturing of the equipment/goods supplied will not be more than 3 (Three months) old. The tenderer will have further guarantees that the said equipment would continue to conform to the description and quality aforesaid for a period of five (5) years guarantee period (As per MoH&FW guidelines), from the date of installation of the said equipment to the purchaser and notwithstanding the fact that the Purchaser (Inspector) may have inspected and /or approved the said equipment, if during the aforesaid period of five years the said equipment be discovered not to confirm to the description and quality as required as per specification or not giving satisfactory performance or have deteriorated, the decision of the Purchaser in that behalf shall be final and binding on the tenderer and the Purchaser shall be entitled to call upon the tenderer to rectify the equipment or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on/an application made thereof by the tenderer and in such an event, the above mentioned warranty period shall apply to the equipment replaced from the date of replacement thereof. In case of failure of the tenderer to rectify or replace the equipment, within specified time, the purchaser shall be entitled to recover the cost with all expenses from the tenderer for such defective equipment.

35. Full description & specifications, make/brand and name of the manufacturing firm must be clearly mentioned in the tender, failing which, the tender will not be considered. The tenderer must also mention

whether the goods are imported / indigenous. Descriptive literature /catalogues must be attached with the tender in original, failing which, tender may be disqualified.

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

37. The equipment installed should be up for 95% of the total warranty time. If the equipment is down for more than 5% suitable action shall be taken against the supplier including imposition of penalty as deemed fit.

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

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

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

41. Liquidated damage/demerge: - The time for the date of delivery/ dispatch stipulated in supply order shall be deemed to be the essence of the contract and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery or dispatch in the supply order, liquidated damages may be deducted from the bill @ 0.5% per week subject to maximum of 10% of the value of the delayed goods or services under the contract. The competent authority of the institute may also cancel the supply at the cost & liability of the supplier. In such a case, bid security of the supplier shall stand forfeited. The supply of equipment must be in single consignment, inclusive of all parts & accessories in adherence to the specification so as to make the equipment fully functional at the time of the installation. No installation repeat shall be signed in case of absence of any part as per the specification.

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

Applicable Law:

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

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

45. Except as otherwise provided under this Contract for immediate termination of the Contract, in the event of a disputes which may be arising out of the execution of the tender contract, the matter will be referred to the Deputy Director (Administration). Appeal against the decision of the DDA will lie to the Director, AIIMS Rishikesh and his decision shall be final and binding upon both the parties.

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

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

(Signature & Stamp of the bidder)

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

(B) Financial terms and conditions

1. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
2. Rates quoted should be inclusive of all applicable taxes, packing, forwarding, postage and transportation charges at for AIIMS Rishikesh (Site of installation/Use). Rates should be mentioned both in figures and in words.
3. The supplier has to submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that the bidder has not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in recent past. Therefore, if at any stage it has been found that the supplier has quoted lower rates than those quoted in this tender; the Institute (the purchaser) would be given the benefit of lower rates by the Supplier and any excess payment if any, will become immediately payable to the AIIMS, Rishikesh. If such affidavit is not submitted, tender will be outrightly rejected. (***Part of technical bid***)
4. **Guarantee / Warrantee Period:** The Tenderers must quote for 5 years' comprehensive warranty (Including all Spares, Accessories software application, if any and Labour) from the date of completion of the satisfactory installation. The warranty charges shall not be quoted separately otherwise the offer shall be summarily rejected. Also the bidders are requested to submit their quote (Rates) for subsequent 5 years Comprehensive Maintenance Contract (CMC) (Including All Spares, Accessories software application, if any and Labour). Failure to comply this condition will entail the rejection of the bids. The price comparison shall be taken into account on basic price and post warranty CMC.
4. **Custom Clearance:** For the Goods to be imported and supplied, the Institute will provide Custom Duty Exemption Certificate (CDEC) to successful bidder for availing concessional rate of duty as per prevailing Custom Tariff. In case, the bidder requires CDEC certificate, then the same should be specifically mentioned in the bid. The supplier is solely responsible for getting the material clearance from customs. Institute will provide all custom documents for custom clearance on the demand of supplier. The supplier undertakes to fully co-operate to avoid any fine, demurrage or other charges and shall indemnify AIIMS Rishikesh in case of any such failure. Transportation of goods up to AIIMS, Rishikesh and its successful installation and commissioning demonstration (and training, if required) is also the responsibility of the supplier. All charges/ expenses incurred in this process will be borne by the supplier and after submission of deposit slips of custom clearance and transportation charges will be reimbursed to the supplier if said provisions are to be shown separately in the financial bid.
5. **Payment terms:** -If the supplier supplied the requisite item within stipulated time and installation is pending on the part of AIIMS Rishikesh on various reasons, up to 90 *per cent* payment against supply can be made by the AIIMS Rishikesh on the case wise only, but will not be considered as precedence in all cases.
(A) Payment Term for Imported goods: For imported goods payment shall be made in the following manner:
 - a) On shipment: 75 % payment of the contract price shall be paid 60 days after presentation of shipping documents {goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country} and upon the submission of the following documents: -

- I. Four copies of Supplier's invoice showing contract number, goods description, quantity, unit price and total amount;
 - II. Original and four copies of the clean, on-board Bill of Lading/ Airway bill, marked freight prepaid and four copies of non-negotiable Bill of Lading/Airway bill.
 - III. Insurance Certificate;
 - IV. Certificate of origin by the chamber of commerce of the concerned country;
 - V. Certificate of country of origin;
 - VI. Manufacturer's / Supplier's warranty certificate;
 - VII. Manufacturer's own factory inspection report.
- i. **On Acceptance:** 25 % payment would be made after satisfactory installation, commissioning, demonstration and training, if required on issuance of Inspection certificate by the AIIMS, Rishikesh.

B) PAYMENT TERMS FOR INLAND GOODS

(Seventy-five) 75% Payment of the contract price shall be paid on receipt of goods condition and upon the submission of the following documents: -.

- (i) One Original and Four Copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
- (ii) Final Acceptance as per Inspection report issued by faculty.
- (iii) Two copies of packing list identifying contents of each package.
- (iv) Inspection Certificate issued by the user concerned department.
- (v) Final Acceptance Certificate issued by the Institute

On Acceptance: -

- (i) Balance Twenty-Five (25) % payment would be made against 'Final Acceptance Certificate' as per Para (B) (i) &(v) of goods to be issued by the consignee's subject to recoveries, if any, either on account of non-rectification of defects/deficiencies not attended by the Supplier or otherwise.
6. **L1 Clause:** L1 firm will be decided on the basis of Total Price in addition with the CMC charges quoted by the firm. The CMC charges should be quoted separately in format provided in pdf.

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

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

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

(Signature & Stamp of the bidder)

“OT Table for various Departments”

AIIMS, Rishikesh

TECHNICAL BID**(Documents to be attached in the “Technical Bid”)**

1. Name & Address of the manufacturer and their authorised dealers/ distributors/Agency with phone number, email, name and telephone/mobile	
2. Specify your firm/company is a manufacturer/ authorised dealer/ distributor/ Agency	
3. Whether the signature on each page has been made by the bidder or not.	
4. Name, Address & designation of the authorized person (Sole proprietor/partner /Director)	
5. Have you previously supplied these items to any government/ reputed private organization? If yes, attach the relevant proof.	
6. Please provide a notarised affidavit on Indian Non Judicial stamp paper of Rs. 10/- that you have not quoted the price higher than previously supplied to any government Institute/Organisation/reputed Private Organisation or DGS&D rate in last one year. If you don't fulfil this criteria, your tender will be outrightly rejected.	
7. Please attach copy of last three years' of Income Tax Return	
8. Turnover <ul style="list-style-type: none"> a. Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Attach copy of annual minimum turnover which should not be less than 02 crores duly certified by the Chartered Accountant) b. The bidder falls under Section 44AD/44ADA/44AE of Income Tax Act shall be required to submit turnover certificate verified by Chartered Accountant with his Registration number issued by Institute of Chartered Accountants of India. c. Indian Agent can submit its copy of POs of LC cases, in support of its amount getting short in required turnover. d. Start-ups may submit its Start-up Registration for consideration (<i>Relaxation in turnover can be considered as the case may be, subject to fulfilment of other conditions. However, it will not be mandatory</i>) 	
9. PAN No. (Please attach copy)	
10. GST/VAT/Service Tax Registration Number. (Please attach copy)	
11. Acceptance of terms & conditions attached (Yes/No). Please sign each page of terms and conditions as token of acceptance and submit as part of tender document with technical bid. Otherwise your tender will be rejected.	
12. Power of Attorney/authorization for signing the bid documents (Not required in case of sole-proprietorship.)	
13. Please submit a notarised affidavit on Indian Non judicial stamp paper of Rs. 10/- that no case is pending with the police against the Proprietor/firm/partner or the Company (Agency). Indicate any convictions in the past against the Company/firm/partner.	
14. Please declare that proprietor/firm/company has never been black listed/debarred by any organization. An oath certificate to this effect may be enclosed on Rs.10 notarised stamp paper.	
15. Please submit a notarised affidavit on Indian Non Judicial Stamp Paper of Rs.10/- that they will provide complete warranty for all equipment's/items for 5 (five) years followed by CMC for further 5 (five) years of these equipment's/items.	
16. Please furnish a notarised affidavit on Indian Non judicial stamp paper of Rs.10/- that they will supply spare parts for next 10 years at reasonable price by submission of suitable benchmarks.	
17. Please submit two performance certificate from your two different customers to whom you have supplied such type of equipment in previous 3 years	
15. Details of the FD/DD/TD/CD of bid security (EMD)	Detail of cost of Tender for Rs. 1180/- (if downloaded from website) DD No. Date: Payable at-
FD/DD/TD/CD No:	
Date:	
Payable at-	

Undertaking

1. I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender.
2. I/We shall supply the items of requisite quality and quantity at given rate in timely manner.
3. I/We also confirm that in the event of my/our tender being accepted, I/we hereby undertake to furnish within 15 days, Bank Guarantee/ Performance Security after the issue of Purchase Order, as applicable, in the format to be provided by AIIMS Rishikesh in addition to execution of a Contract as pre-condition for obtaining the supply orders.
4. I/We further undertake that none of the Proprietor/Partners/Directors of the firm was or is Proprietor or Partner or Director of any firm with whom the Government have banned /suspended business dealings. I/We further undertake to report to the AIIMS Rishikesh immediately after we are informed but in any case not later 15 days, if any firm in which Proprietor/Partners/Directors are Proprietor or Partner or Director of such a firm which is banned/suspended in future during the currency of the Contract with you.
5. I/We undertake that the information given in this tender are true and correct in all respect and I/We hold the responsibility for the same.

(Signature of the Bidder)

Name:

Designation with Seal of the Firm:

“OT tables for various departments”
For

Chapter-II (Schedule of requirements& EMD)

Table-I

Details of items & their tentative quantity and EMD

The following items manufactured by Indian/International firms of repute are required.

S.No.	Item	Quantity	EMD
1	OT tables for various departments	Gen. Surgery - 2 Urology - 1 Neurosurgery - 1 Orthopaedics - 1	Rs. 9,80,000/-

MANUFACTURER's / PRINCIPAL's AUTHORIZATION FORM

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

To

The Administrative Officer,
All India Institute of Medical Sciences
Rishikesh

Dear Sir,

TENDER: _____.

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

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

The authorization is valid up to _____

Yours faithfully,

(Name)

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

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

To

The Administrative Officer
All India Institute of Medical Sciences
Rishikesh,
Virbhadra Marg,
Rishikesh-249201

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

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

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

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

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

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

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

.....
Name and designation of the officer

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

Instructions for Online Bid Submission:

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

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

REGISTRATION

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

SEARCHING FOR TENDER DOCUMENTS

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

PREPARATION OF BIDS

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.

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

SUBMISSION OF BIDS

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

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

ASSISTANCE TO BIDDERS

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

Technical Specifications- OT Table for General Surgery	
	General Specification requirement for OT table
A.	USFDA + ECE+ ISO approved
B.	5 year warranty followed by 5 year CMC
C.	Suitable customized storage/sterilization cases for accessories/attachments, wherever applicable, should be supplied in adequate numbers, even when not separately asked for. These should be from manufacturer of accessory only- non-customized cases from other manufacturers will not be accepted.
D.	Tabulated Compliance statement should include your product's specific values/details for each point and not merely 'yes' or 'no'
E.	Institute reserves the right to have a live demo if required.
	General features
1	The quoted system should be based on electro hydraulic technology.
2	The table should either be eccentric or with central column. The tables with central column should allow sufficient motorized slide of at least 310 mm to permit full upper body imaging including the pelvis without having to move the patient (transitional facility controlled by remote)
3	The table should be sturdy, mobile with padded divided (split leg) foot section.
4	All tables sections except the section attached to the pillar should be quickly detachable using easy latch mechanism to suit all surgical needs.
5	Head plates and leg plates should be interchangeable..
6	The table should be made of high quality stainless steel with space to provide comfortable leg space to the surgeon while operating.
7	The base column should have telescopic cover of stainless steel and should prevent the ingress of fluid in the system.
8	All metal components of the table should be made up of corrosion resistant aluminum or stainless steel alloys.
9	The table should have heavy duty antistatic swivel castors with central electric/ hydraulic locking through hand held controller for easy maneuverability. It should have self-leveling floor locks.
10	Brakes, wheels for 360 degree rotation or rotation for cleaning and avoiding equipments with motorized auto drive for efficient patient transport.
11	All table top section should be quickly detachable and interchangeable as per need of surgery.
12	Should have facility to invest corsele tray through tunnel under table.
13	Moulded seamless mattress attached to top with pins (not Velcro) preferably.
14	Should have facility to change orientation of table (Normal and Reverse mode).
15	Should have single switch operated flex, reflex and 'O' position.
16	Weight load capacity
	Should have safe patient weight load capacity of at least 225 kg in all table positions. The STATIC patient weight capacity should be 400 Kg or more.
17	Table top and mattress
	<ul style="list-style-type: none"> o The table top should be made up of scratch-less X-Ray/C-arm translucent material. o Mattress should be double layered, more than 70 cm, ultrasonically sealed and anti-decubitus/antistatic, with easy Velcro free fixation/Velcro and should be easy to detach from the top. o The mattress should be easy to clean o The mattress should be latex and CFC free and 100% hygenic
18	Power and Controls
	<ul style="list-style-type: none"> o The table should be equipped with a completely independent electronic back up drive unit operated through the override panel in case of failure of Main drive. o Fully charged battery should be sufficient for weekly operative schedule i.e approximately for 80 operations.

	<ul style="list-style-type: none"> o The central column /base and handheld controller should indicate the charging status and table battery status.
	<ul style="list-style-type: none"> o All table positions like height, lateral tilt, kidney position, Trendelenburg and reverse Trendelenburg and flex/reflex and zero leveling should be obtainable using remote hand held controller without moving the patient.
	<ul style="list-style-type: none"> o Should have automatic 0 position switch on handheld controller.
	<ul style="list-style-type: none"> o Latest type of LCD/LED backlit screen on hand held controlled displaying each selected position of the table and similar features should be available on override control panel.
	<ul style="list-style-type: none"> o Fast "Memory" options for moving to previously stored position on Remote control.
	<ul style="list-style-type: none"> o 10 free programmable memory positions for patient positioning
19	<p>Technical Specification: All Parameters should be within allowed ± 5% variation limits:</p> <ul style="list-style-type: none"> o Overall length: 200-210 cm. o Max. Width : Min. 550- 600mm (With side rails) o Minimum height: 600mm -760 mm o Maximum height: 1000mm -1010 mm o Side Tilt: 18 degree or more. o Trendelenburg: 25 degree or more. o Anti-Trendelenburg : 35 degree or more. o Power input to be 220-240Vac, 50HZ fitted with Indian plug o The quoted equipment should be having ISO, CE, IEC and FDA certification. o All technical specification accepted in compliance statement must be supported by the printed literature from the manufacturer.
20	<p>Accessories</p> <ul style="list-style-type: none"> o In case the table is imported the accessories must also be imported with the table and must not be locally sourced.
	<ul style="list-style-type: none"> o It should have on-table GI endoscopy (upper and lower) attachment. o It should have all attachments for mounting Thompson retractor. o Allen stirrups (preferably hydraulic). o Lloyd-davis stirrups (preferably hydraulic). o Brake pedal – should be single lever foot operated.
20.1	<p>Should be supplied with following standard Accessories:</p> <ul style="list-style-type: none"> o Anesthesia screen and pair of padded Armrest with clamps. o Pair of leg plates with padding o Pair of Body strap for kidney position. o Backlighted Hand control
21	Tabletop should be completely without x ray interfering cross bars and should be radiolucent and scratch proof. The supplier shall provide full carbon components for 360 degree radiolucency for the above mentioned surgeries.
22	It should be compatible with C-arm.
23	The side rails should be metal free to be compatible with 3D C-arm capturing.
24	Mattress should be moulded, seamless, anti-static, anti-decubitus, latex free & durable> It should preferably be attached to top with pins and not Velcro and should be easy to clean.

Specifications for OT table for neurosurgery

- A. USFDA + ECE+ ISO approved
- B. 5 year warranty followed by 5 year CMC
- C. Suitable customized storage/sterilization cases for accessories/attachments, wherever applicable, should be supplied in adequate numbers, even when not separately asked for. These should be from manufacturer of accessory only- non-customized cases from other manufacturers will not be accepted.
- D. Tabulated Compliance statement should include your product's specific values/details for each point and not merely 'yes' or 'no'
- E. Institute reserves the right to have a live demo if required.
 - 1. The quoted system should be based on fully electro mechanical technology.
 - 2. The table should be sturdy, easily mobile with padded divided (split leg) foot section.
 - 3. The table should have flat base with exchangeable table top. The table top and the base can be moved to wherever in the Operating Room area with the help of Shuttle facility. Shuttle has be provided along with unit.
 - 4. All tables sections except the section attached to the pillar should be quickly detachable using easy latch mechanism to suit all surgical needs.
 - 5. Head plates and leg plates should be interchangeable.
 - 6. Built in kidney bridge
 - 7. Table should have minimum footprint to give surgeon and image intensifiers maximum liberty of movements.
 - 8. Should be suitable for patient positioning in supine, lateral, sitting, concord, park bench prone and minimally invasive surgeries of spine.
 - 9. It should provide for attachments of skull traction, limb traction, 3 pin or 4 Pin head frames, horseshoe attachments in supine, lateral, prone positions as well as of connection brackets for beach chair /sitting positions.
 - 10. Tabletop should be completely without x ray interfering cross bars and should be radiolucent and scratch proof. The Supplier shall provide full carbon components for 360 degree radiolucency for the above mentioned surgeries.
 - 11. It should be compatible with C arm, O arm and mobile CT.
 - 12. The side rails should be metal free to be compatible with 3D C arm capturing.
 - 13. Mattress should be moulded, seamless, anti-static, anti-decubitus, latex free & durable. It should be attached to top with pins and not Velcro and should be easy to clean.
 - 14. **Weight capacity** – at least 225kg in all positions, static capacity 350 kg or more
 - 15. **Length**- 1890 mm or more
 - 16. **Width**- 500 mm or more
 - 17. **Minimum height**- 620 mm or lower (with table top)
 - 18. **Maximum height**- 1000 mm or higher (without table top)
 - 19. **Lateral tilt** 18 degrees or higher
 - 20. **Trendelenburg /reverse Trendelenburg** 25 degrees or better
 - 21. **Back up** +80° or higher, **back down** -60°or lower
 - 22. **Leg section** up /down +90°/-90°
 - 23. The table should be equipped with a completely independent electronic back up drive unit operated through the override panel.
 - 24. Fully charged battery/ies should be sufficient for weekly operative schedule i.e approximately for 50- 80 operations. The central column /base and handheld controller should indicate the charging status and table battery status.

25. Latest type of LCD/LED backlit/TFT screen on hand held controlled displaying each selected position of the table, memory features and similar features should be available on override control panel.
26. All table positions like height, lateral tilt, kidney position, Trendelenburg and reverse Trendelenburg and flex/reflex and zero levelling should be obtainable using remote hand held controller without moving the patient.
27. **Should have automatic 0 / 'table level' position** switch on handheld controller.
28. Power supply- 220 V, 50-60 Hz, supplied with Indian type plug.
29. RS-232 port for device control & computer assisted error diagnosis for easy service is preferable.

- **Neurosurgical attachments to be provided- one set**

1. Light weight Radiolucent/carbon fibre spinal attachment for use with OT table having adjustable wing sets to fit wide varieties of patients (weighing capacity 180 kg or higher) and to obtain decompressed abdomen and postural control for various kinds of surgical intervention in prone and lateral positions. Standard wing sets as well as those contoured for breasts should be supplied in addition.
 - Attachment should not have any member near the floor between the table and head end to provide unlimited and free access to C arm.
 - Height of attachment must be adjustable to achieve multiple positions such as flexion, extension, spondylolisthesis surgery etc.
 - Patient positioning should be possible in prone (facedown) & in radiolucent 3 Pin frame (DORO/Mayfield) attachment & prone head positioner, in versatile and easy manner.
 - Removable and radiolucent table top(s) with mattress/foam pad when wing sets are not in use and patient in supine position.
 - Disposable covers for wing sets for patient comfort and safety –qty 100
 - Attachment should be easily portable from one OR to other, and storage should be possible in small space.
2. Radiolucent May field/DORO skull clamp with modular fixation system- swivel adapter and long transitional member-one complete set including table attachment with storage container/s.
 - Skull pins (reusable, autoclavable) adult 6, Pediatric 6
 - Radiolucent disposable pins adults-12, pediatric- 12
 - Accessories for park bench positon-one set
 - Accessories for sitting position- one set.
3. Radiolucent head rest (horseshoe) with traction device- one adult ,one paediatric
4. Accessories for knee chest position- one complete set.
5. Lightweight, radiolucent, flat bottom chest rolls- large – one pair; medium size- one pair.
6. Arm positioning support with radiolucent pad and clamps- one pair
7. Lateral side support with clamps- two pairs
8. Body restraint strap- 2 (one large, one extra large)
9. Raised lateral arm support with calmp-1
10. Light weight Head ring- (gel pad type)- adult one- pediatric one
11. Gel pads- arm protectors 1 pair, sacral pad – 1, heel pad- two pairs, knee pads- two pairs, universal positioner- two.

- Please quote the rates of individual items also (particularly for accessories) - final order may change as per requirement of institute.
- Provide a list along with rates of optional items. They will be free zed for a period of 2 years from date of purchase.

SPECIFICATIONS FOR ORTHOPAEDIC OPERATING TABLE

General Specification requirement for OT table

- a) USFDA + ECE+ ISO approved
- b) 5 year warranty followed by 5 year CMC including remote control.
- c) Suitable customized storage/sterilization cases for accessories/attachments, wherever applicable, should be supplied in adequate numbers, even when not separately asked for. These should be from manufacturer of accessory only- non-customized cases from other manufacturers will not be accepted.
- d) Tabulated Compliance statement should include your product's specific values/details for each point and not merely 'yes' or 'no'
- e) Institute reserves the right to have a live demo if required.
- f) Safety class II, Type B; the enclosure leakage current meets the requirements of the patient leakage current for CF conditions as per EN 60601-1

A. SPECIFICATIONS

1. The table should be made of carbon fibre along with carbon fibre accessories.
2. Each orthopaedic table must be equipped to perform the following procedures: Direct anterior approach to total hip Arthroplasty, IM nailing Femur, IM nailing Tibia, IM nailing humerus, Hip Pinning, Hip Arthroplasty, Hip arthroscopy, Total knee Arthroplasty, Hip resurfacing, Supine and Lateral Positioning, Hand surgery, Spine surgery, Knee arthroscopy, shoulder surgery
3. Table should include suitable accessories to permit paediatric orthopaedic interventions.
4. Should have asymmetrically placed column and should not have any metal cross beams for unhindered C-Arm use during surgery without need of applying longitudinal shift or moving patient.
5. All table top section should be quickly detachable and interchangeable as per need of surgery.
6. Should have facility to invest corset tray through tunnel under table.
7. Moulded seamless mattress attached to top with pins (not Velcro) preferably.
8. Should have facility to change orientation of table (Normal and Reverse mode).
9. Should have single switch operated flex, reflex and 'O' position.
10. Should have independent foot pedal operated manual hydraulic control system located in table base to perform all table functions that are electrically adjusted in case of power/battery/remote/electro hydraulic operating system failure.

B. Table must have the following standard features:

1. Radiolucent Carbon fibre table top to enable multiplaner imaging
2. Radiolucent top for orthopaedic use:
3. Three or more radiolucent sectional back plate with two or more detachable shoulder segment.
4. Radiolucent Seat plate with detachable buttock support
5. Radiolucent Perineal Post
6. Radiolucent, Carbon fiber, Detachable divided leg plates
7. The table should have rolls on heavy duty castors as T base/ U base/Rectangular base or should be supplied with trolley
8. Two foldable and detachable carbon fibre traction bars fixed beneath the seat plate with two adjustable pivot joints
9. Interfaces left/right to attach Carbon Fibre bars. Interface to CF extension plate. Entire table top without crossbars, allowing intraoperative fluoroscopy.
10. Flex/Reflex/Beach Chair
11. Accessory side rails
12. Table top interfaces on normal and on reverse side

13. The table should have chrome nickel steel base or stainless steel base.
14. Cover for the override panel made of glass fiber reinforced composite plastic, resistant to impact, breakage and disinfectants
15. Column casing made of stainless steel
16. Table top interfaces on normal and on reverse side
17. Interfaces left/right to attach CF bars (click system)
18. Table should be flexible enough to be used as a universal table
19. With increasing prevalence of minimally invasive techniques in orthopedics requires a strong, versatile table that effectively accommodates complex positioning and supports intraoperative imaging.
20. The Table should enable surgical teams and their patients to benefit from MIS by supporting a variety of positions for patients of various sizes.
21. Table should offer the correct positioning angles for a wide variety of procedures, from hip arthroscopy to tibia nailing. Some MIS procedures require complex intraoperative patient movement, such as the direct anterior approach to hip replacements. The minimally invasive direct anterior approach (DAA) to total hip replacement.
22. Radiolucent carbon fiber accessories improve intraoperative diagnostics that are critical to verifying the correct repositioning of the skeletal structure, and reviewing the result of the procedure to keep the patient safe.
23. The Table should have screw tension device with slider and hand gear makes it easy to safely adjust traction levels. Larger adjustments can be made by sliding the device to the end of the bar, while the handle allows fine tuning for precise and secure patient positioning, handle should be color coded.
24. The traction bar should have ball joint, on similar joint to mimic the smooth multidirectional movement of the hip itself, to operate and flexible to position by releasing the handles at the end of the bar. As the control units are to be located at the end of the traction bars, full control to be allowed even after the table is fully draped.
25. The traction bars handle to allow the leg to be easily rotated into the correct position at any time during the procedure. A degree indicator identifies the exact position of the limb to ensure accuracy is desirable.
26. Table should be designed to enable a strong traction of up to 80 kg in a most comfortable way for the surgical team.
27. Better image quality improves safety: With a carbon fiber sacral rest, a fully radiolucent pelvic area, and carbon fiber traction bars, there is nothing to interfere with the quality of intraoperative imaging.
28. The table should have a stable three-point stand on similar stand.
29. The cast iron stand should provide excellent stability, preventing all movement if the table is bumped.
30. Secure lock functions: Lock functions eliminate accidental table movements, even when pushing the hand control buttons.
31. Table should be supported by a sensor drive with speed regulation of the OR table by the degree of rotation, Leaving one hand free to help patients in critical situations.
32. Can be used for attaching and detaching the bars from the table
33. Sliding function through whole bar makes it easy to establish traction.
34. Automatic lock functions to improve patient safety.
35. Colored markings to facilitate communication between surgeon and staff.
36. Slider glides through whole bar for simple traction setup, saving time and minimizing physical strain.
37. Star shaped or similar ergo metric handle, with degree indicator and fine tractions of 12 mm per turn of the handle to optimize precision for maximum traction of up to 80 kg.
38. Rotation function with several locking positions
39. Free floating rotations increases positioning flexibility and ease-of-use.
40. Attachable to existing steel extension and traction devices

41. The sliding clamp can be easily moved along the carbon fiber bars for precise positioning of accessories where they're most needed. It attaches to both bars, allowing you to deploy additional accessories during surgery.
42. The support plate supports the non-operative leg during surgery, improving patient comfort and preventing overstretching of the knee. It can be attached to the sliding clamp for flexible positioning anywhere along the bar.
43. Additional attachment made up of carbon fibre to allow intraoperative fluoroscopy examination in paediatric patients
44. Detachable pads made of foam core, approximately 60mm thick or more, should be moulded and radiolucent
45. The table should have communication port for diagnostics and servicing or should be self diagnostic. All supports for different positions should be included for children separately.
46. The fracture attachments should be adjustable for paediatrics hip surgery. Colide of the fraction bar and pelvic plate must be suitable for paediatric hip. Footplate of paediatrics size should be provided separately.
47. Must be able to support heavy weighted parts (upto 150 kgs).

Table measurements and control panel:

1. The table should provide minimum height excursion in the range of minimum 50cm or more with maximum height of the table not less than 110cm
2. Trendelenburg/ Reverse Trendelenburg – 40-45 degree
3. Standard head plate +45°/-45° up/down.
4. Width of seat plate without side rails- 500 mm
5. Width of seat plate incl. side rails- 550 mm
6. Lateral Tilt- 21-25 degree
7. Motorised back plate up and down-90 degree
8. Hand control and Battery control for various table functions.
9. Battery capacity for approximately 01 week with average use or 50 operations approx
10. Can be operated directly from the mains for all powered/ electro hydraulic movements
11. Patient weight capacity under full traction of 250 kgs
12. Handset can be connected on either side of the table (head or foot end).
13. Extra remote control with each table.
14. Zero positioner on remote
15. USB drive for repair of software.

C. Accessories

- a. Accessories for Hand Surgery
- b. Two sides support (Anterior and Posterior) for lateral position for the hip replacement.
- c. Traction aggregate (full system) up/down, inwards/outwards, rotation of the foot by 180°.
- d. Traction bars with ball joint or similar joint up/down, inwards/outwards
- e. Traction bars inwards/outwards
- f. Accessory for bilateral hip surgery
- g. The table must allow hyperextension, abduction, adduction and external rotation of the hip for femoral component placement.
- h. Separate attachments made of carbon fibre for direct anterior approach for MIS Hip replacement. It should be possible to do 360 positioning of the lower limb through the assembly. (Normal fracture table attachments of the traction will not be considered for this purpose as it involves more than two joints & the handling is cumbersome with increased risk of loss of sterility of the surgical site)
 - i. Fraction table attachment should be adjustable for paediatric hip procedure.
 - j. Size of pelvic plate attachment foot boot should allow in paediatric procedure.
 - k. Carbon fibre traction bars-02
 - l. Total Knee Flexion and Support System for knee arthroscopy
 - m. Leg Support system to support contra lateral leg.
 - n. Traction boot small pair

- o. Traction boot large pair
- p. Arm Boards with Pad (2)
- q. Beach chair position system with helmet type head rest for position of the patient along with shoulder plates made of carbon fibre.
- r. Skull traction and head rest for cervical spine surgery
- s. Accessories for knee elbow position
- t. Accessories for knee chest position
- u. Attachment for various types of surgery on cervical spine
- v. Accessories for interlocking nailing of humerus and tibia,
- w. Accessories for interlocking nailing for femur in supine position
- x. Accessories for Hip arthroscopy including large perineal post and traction system
- y. Anaesthesia screen with clamp
- z. Trolley to store various accessories along complete set of gel positioners for adult and pediatric patients, including bolsters and rings for prone positioning.

Technical Specifications- OT Table for Urology Surgery	
	General Specification requirement for OT table
A.	USFDA + ECE+ ISO approved
B.	5 year warranty followed by 5 year CMC
C.	Suitable customized storage/sterilization cases for accessories/attachments, wherever applicable, should be supplied in adequate numbers, even when not separately asked for. These should be from manufacturer of accessory only- non-customized cases from other manufacturers will not be accepted.
D.	Tabulated Compliance statement should include your product's specific values/details for each point and not merely 'yes' or 'no'
E.	Institute reserves the right to have a live demo if required.
	General features
1	The quoted system should be based on electro hydraulic technology.
2	The table should either be eccentric or with central column. The tables with central column should allow sufficient motorized slide of at least 310 mm to permit full upper body imaging including the pelvis without having to move the patient (transitional facility controlled by remote)
3	The table should be sturdy, mobile with padded divided (split leg) foot section.
4	All tables sections except the section attached to the pillar should be quickly detachable using easy latch mechanism to suit all surgical needs.
5	Head plates and leg plates should be interchangeable..
6	The table should be made of high quality stainless steel with space to provide comfortable leg space to the surgeon while operating.
7	The base column should have telescopic cover of stainless steel and should prevent the ingress of fluid in the system.
8	All metal components of the table should be made up of corrosion resistant aluminum or stainless steel alloys.
9	The table should have heavy duty antistatic swivel castors with central electric/ hydraulic locking through hand held controller for easy maneuverability. It should have self-leveling floor locks with motorized auto drive for efficient transport.
10	Brakes, wheels for 360 degree rotation or rotation for cleaning and avoiding equipments.
11	All table top section should be quickly detachable and interchangeable as per need of surgery.
12	Should have facility to invest corsele tray through tunnel under table.
13	Moulded seamless mattress attached to top with pins (not Velcro) preferably.
14	Should have facility to change orientation of table (Normal and Reverse mode).
15	Should have single switch operated flex, reflex and 'O' position.
16	Weight load capacity
	Should have safe patient weight load capacity of at least 225 kg in all table positions. The STATIC patient weight capacity should be 400 Kg or more.
17	Table top and mattress
	<ul style="list-style-type: none"> o The table top should be made up of scratch-less X-Ray/C-arm translucent material.
	<ul style="list-style-type: none"> o Mattress should be double layered, more than 70 cm, ultrasonically sealed and anti-decubitus/antistatic, with easy Velcro free fixation/Velcro and should be easy to detach from the top.
	<ul style="list-style-type: none"> o The mattress should be easy to clean
	<ul style="list-style-type: none"> o The mattress should be latex and CFC free and 100% hygenic

18	Power and Controls
	<ul style="list-style-type: none"> o The table should be equipped with a completely independent electronic back up drive unit operated through the override panel in case of failure of Main drive.
	<ul style="list-style-type: none"> o Fully charged battery should be sufficient for weekly operative schedule i.e approximately for 80 operations.
	<ul style="list-style-type: none"> o The central column /base and handheld controller should indicate the charging status and table battery status.
	<ul style="list-style-type: none"> o All table positions like height, lateral tilt, kidney position, Trendelenburg and reverse Trendelenburg and flex/reflex and zero leveling should be obtainable using remote hand held controller without moving the patient.
	<ul style="list-style-type: none"> o Should have automatic 0 position switch on handheld controller.
	<ul style="list-style-type: none"> o Latest type of LCD/LED backlit screen on hand held controlled displaying each selected position of the table and similar features should be available on override control panel.
	<ul style="list-style-type: none"> o Fast "Memory" options for moving to previously stored position on Remote control.
	<ul style="list-style-type: none"> o 10 free programmable memory positions for patient positioning
19	Technical Specification: All Parameters should be within allowed ± 5% variation limits:
	<ul style="list-style-type: none"> o Overall length: 200-210 cm.
	<ul style="list-style-type: none"> o Max. Width : Min. 550- 600mm (With side rails)
	<ul style="list-style-type: none"> o Minimum height: 600mm -650 mm
	<ul style="list-style-type: none"> o Maximum height: 1000mm -1010 mm
	<ul style="list-style-type: none"> o Side Tilt: 18 degree or more.
	<ul style="list-style-type: none"> o Trendelenburg: 25 degree or more.
	<ul style="list-style-type: none"> o Anti-Trendelenburg : 35 degree or more.
	<ul style="list-style-type: none"> o Power input to be 220-240Vac, 50HZ fitted with Indian plug
	<ul style="list-style-type: none"> o The quoted equipment should be having ISO, CE, IEC and FDA certification.
	<ul style="list-style-type: none"> o All technical specification accepted in compliance statement must be supported by the printed literature from the manufacturer.
20	Accessories
	<ul style="list-style-type: none"> o In case the table is imported the accessories must also be imported with the table and must not be locally sourced.
20.1	Should be supplied with following standard Accessories:
	<ul style="list-style-type: none"> o Anesthesia screen and pair of padded Armrest with clamps.
	<ul style="list-style-type: none"> o Pair of leg plates with padding
	<ul style="list-style-type: none"> o Pair of Body strap for kidney position and lateral positions for thoracic surgery.
	<ul style="list-style-type: none"> o Backlighted Hand control
20.2	Urology Accessories:
i)	Seat Plate Extension- 1 no.
ii)	TUR Drainage Set- 1 no.
iii)	Fixture for Body Supports- 1 no.
iv)	Back Buttock Support- 1 no.
v)	Lateral Support- 1 no.
vi)	Pubis-sacrum-sternum support- 1 no.

vii)	Shoulder support- 2 no.
viii)	Accessories trolley- 1 no.
ix)	Hand operating table- 1 no.
x)	Arm positioning device- 1 no.
xi)	Arm restraint cuff- 2 nos.
xii)	Knee crutches-2 nos.
xiii)	Leg holder with one-hand operation- 1 pair
xiv)	Pillow for prone position- 1 no.
xv)	Gel body roll- 1no.
xvi)	Gel Pad- 1no.
xvii)	Heel Pad- 2 nos