

**DR. Y S PARMAR GOVT. MEDICAL COLLEGE, NAHAN -173001**

No. HFW/ME (MCN)/2019- 4123

Dated: 06/ 02 /2020

**TENDER NOTICE**

Sealed tenders are invited for supply of various Machinery and Equipments for different departments of Dr. Y S Parmar Govt. Medical College Nahan from the interested reputed firms , so as to reach in the office of undersigned on or before 24.02.2020 up to 3 PM, thereafter no tender shall be entertained. The tenders will be opened on same day at 3.30 PM in presence of the prospective bidders who may wish to remain present.

Tender form containing specifications, terms and conditions can be downloaded from [www.yspgmc.org](http://www.yspgmc.org) and the cost of tender Rs. 2000/- is to be paid through DD in favour of Principal, Dr. YSPGMC, Nahan (to be attached with technical bid) . The tenders shall sent by registered post and any Telegram/Fax/Email Currier etc. will not be considered.

The tender must be accompanied with an earnest money of Rs. **5.00 lakh- (Rupees five lakh only)** in the shape of DD/FD in the name of PRINCIPAL, Dr. Y S Parmar Govt Medical College, NAHAN. The tenders without earnest money or short or not in form specified above will be rejected straightway.

In case any date mentioned above happens to be a holiday, the next day will be considered as due date.

-Sd-

**Principal**

**Dr. Y S Parmar Govt. Medical College,  
Nahan, Himachal Pradesh-173 001**

No. As above

Dated:-

Copy forwarded for information and necessary action to:-

1. The Director, Information & Public Relation Department, Himachal Pradesh, Shimla-2 along with six spare copies for wide publicity in two leading News papers(English &Hindi) .
2. The Director Medical Education & Research, Himachal Pradesh, Shimla-9.
3. The Controller of Stores, Himachal Pradesh, Shimla-1.
4. All the Members of Departmental Purchase Committee.
5. Interested Tenderers.
6. Notice Board.

-Sd-

**Principal**

**Dr. Y S Parmar Govt. Medical College,  
Nahan, Himachal**

**TENDER DOCUMENT**

**Tender No.HFW/ME(MCN)/2019- 4123**

**Date:06/02/2020**

**FOR**

**SUPPLY OF**

**MACHINERY AND EQUIPMENT  
OF**

**Dr. Y S PARMAR GOVT MEDICAL COLLEGE NAHAN**

**DUE ON 24.02.2020**

**LAST DATE FOR RECEIPT OF BID  
UPTO 3 PM ON 24.02.2020**

**PRINCIPAL  
DR. Y S PARMAR GOVT. MEDICAL COLLEGE,  
NAHAN**

**TEL No. 01702-224890, 222526**

**COST OF TENDER : RS. 2000/-**

## 1. General Instructions

- a. Tenders in Two Bids (Technical/Techno Commercial & Financial/Price bid) basis are invited by the Principal, Dr. YSPGMC, Nahan from interested and eligible manufacturers or their authorized distributors/dealers, for providing machinery & equipment strictly as per the specification's mentioned for different department of the institute at **Annexure XII ( a(i),a(ii)). & a(iii).**
- b. Complete bids with earnest money deposit and tender fee must be delivered to Dr.YSPGMC, Nahan on or before last date/time of Bid Submission as mentioned above. Bids without EMD and tender fee will be summarily rejected.
- c. The tender shall be submitted 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/Courier etc. will not be considered. No correspondence will be entertained in this regard.
- d. The bidder(s) are to submit their tenders in separate sealed covered envelopes for technical bid and commercial bid by superscribing Cover "A" (Technical Bid) & Cover "B" (Price Bid) and both the sealed covers should be put into a third outer Cover, which should be superscribed as "Tender for supply Machines & Equipments- to be opened on -----"
- e. The Sealed tenders "Cover A" (Technical Bid) submitted by the tenderers will be opened at the office of the Principal Dr. YSPGMC Nahan at 3.00 PM on 24.02.2020. The tenderer or their duly authorized representatives are allowed to be present during the opening of the tenders if they so like.
- f. The bidders are required to regularly check the website to know about any/all such corrigendum(s) as only those bids, taking care of such corrigendum(s) shall be considered for finalization of the tender.
- g. Bidder should necessarily enclose a covering letter mentioning a summary of applied document with proper numbering.
- h. 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 outrightly.
- i. The competent authority of Dr.YSPGMC, Nahan reserves all rights to accept or reject any/ all tender(s) without assigning any reason. Dr.YSPGMC, Nahan can also reserves the right to reject any bid which in their opinion is non-responsive or violating of any of the conditions/specifications without any liability to any loss whatsoever it may cause to the bidder in the process.

- j. The bidder shall pay the respective amount of Bid Security (EMD) i.e Rs. **5.00 lakh- (Rupees five lakh only)** by way of demand draft/FD in favour of “Principal, Dr.YSPGMC,Nahan” drawn on any Nationalized Bank/ Scheduled Bank and payable at Nahan and must be valid for a min period of (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.

## 2. ELIGIBILITY CRITERIA

- a. Bidder shall either be a manufacturer or a distributor/dealer having experience of supplying Hospital Equipments.
- b. Average Annual turnover of the bidder (who is not a manufacturer) in the last three financial years from sales of Hospital Equipments i.e., 2016-17, 2017- 18, 2018-19 shall not be less than Rs 2.00 crore (Rupes two Crore only).
- c. Manufacturer participating as bidder or manufacturer from whom the Hospital Equipments, etc shall be procured should have an average Annual Turnover of Rs 5 (Five) Crores in the last 3 years.
- d. Bidder should have at least 3(Three) years Market Standing as supplier of Hospital Equipments. Proof of supply of the quoted item (s) (executed directly by manufacturer or through distributor) of the equipment(s)/similar equipments mentioned in the schedule of requirement to any Govt. organization /Corporate Hospitals / PSU Hospitals / UN Agencies and and purchase order copies in support of that in last 3 years.
- e. Manufacturers from whom Hospital Equipments will be procured should posses a ISO certificate No. 13485-2016 issued by the competent authority.Equipments having European Union CE/USFDA/BIS/CDSCO certification shall only be considered.
- f. The Bidder must have valid GST/Services Tax Registration and PAN number allotted by the respective authorities.
- g. Bidder who has been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization shall not be allowed to participate in the tender during the period of blacklisting.

## 3. TECHNO-COMMERCIAL BID -

The Bidder should furnish the following documents as part of the technical bid.

### A. Earnest Money Deposit & Tender Cost

The bidder shall pay the respective amount of Bid Security (EMD) i.e Rs. **5.00 lakh (Rupees five lakh only)** by way of FD & **Rs. 2,000/- (Rupees two Thousand only)** by way of demand draft in favour of “Principal, Dr.YSPGMC,Nahan” drawn on any Nationalized Bank/ Scheduled Bank and payable at Nahan 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 Earnest Money Deposit of the successful Bidder may, at the discretion of Tender Inviting Authority be adjusted towards the Security Deposit payable by the Bidder.

B. Constitution of Company of Bidder:

Documentary evidence regarding constitution of the company /concern such as Memorandum of Articles of Association, Partnership Deed etc. with details like Name, Address, Telephone Number, Fax Number, E-mail Address of the firm with names of the Managing Director / Partners / Proprietor.

C. Manufacturing License of Principal Manufacturer:

Attested photocopy of valid Manufacturing License duly issued by the Licensing Authority for the products quoted.

D. Import License of Bidder:

Attested photocopy of Import License, if the products are imported. The license must have been renewed up to date. A copy of a valid license for the sale of the products imported by the firm issued by the licensing authority shall also be enclosed.

E. Power of Attorney of Bidder:

Attested photocopy of instruments such as Power of Attorney, Resolution of Board etc., authorizing an officer of the bidding firm to submit their bids. Such authorized officer should sign the bid documents.

F. Undertaking of Bidder:

Undertaking in the form at Annexure-I

G. Manufacturer's Authorization

Authorization letters from all the manufacturers concerned in the format at Annexure -II. Bids without authorization letters will be disqualified.

H. **European Union CE/USFDA/BIS/CDSCO Certificate**

Attested photocopy of European Union CE/USFDA/BIS/CDSCO Certificate for the equipment on the date of tender. Latest standardization certificate be attached in r/o of the machinery/equipment. In case such certification is not relevant for a particular item the same may be indicated.

I. Annual Turnover: Annual turnover statement from sales of Hospital Equipments for 3 years i.e., 2016-17, 2017-18 & 2018-19 in the format given in Annexure- IIIA and Annexure III B certified by the Auditor/Chartered Accountant. It is to be noted that such statement of both the bidder and the manufacturer (in case the bidder is not a manufacturer) must be submitted.

J. Execution of similar contracts of Bidder:

Details of supplies (Hospital Equipments) made during the last 3 financial years with summary of Purchase Orders and Performance Certificates issued by clients in the specified format (Refer Annexure IV). Items supplied to Govt. institutions and to programs sponsored by WHO, UNICEF etc., if any for the last 3 years with copies of Purchase Orders and Performance Certificates.

K. GST Certificate & PAN Card of Bidder:

GST Certificate and PAN card of the bidder must be attached. An undertaking duly attested must be given by the tenderer stating that no tax liability is pending against the tenderer or the firm to the Income tax deptt or any other deptt of State Govt. or the Govt. of India.

L. Undertaking for providing of logo of Bidder:

Undertaking (as per Annexure-V) for embossment of Dr.YSPGMC, logo on all items.

M. Details of Manufacturing Unit

Details of Manufacturing Unit as per Annexure-VI. The details containing the name & address of the premises where the items are actually manufactured.

N. Technical Compliance Statement

The bidder shall furnished technical compliance statement as per Annexure VII.

O. Undertaking on Fraud & Corruption of Bidder:

Undertaking on fraud and corruption in the format at Annexure-VIII

\* It is to be noted that such statement of both the bidder and the manufacturer (in case the bidder is not a manufacturer) must be submitted.

P. Non Blacklisted Entity:-

Bidder who has been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization shall not be allowed to participate in the tender during the period of blacklisting. An Undertaking to this effect must be given by the manufacturer and bidder (incase bidder is not manufacturer) in the shape of a sworn affidavit.

Q. Agreed Terms & Conditions of Bidder:

Agreed Terms & Conditions as per Annexure IX.

- R. Warranty / Guarantee: An undertaking that the Warranty/guarantee terms mentioned in para –8 of the bid document are acceptable to the tenderer. Such an undertaking is required from both the bidder and manufacturer (In case the bidder is not the manufacturer)
- S. Comprehensive Maintenance Contract (CMC):- An undertaking that the CMC terms mentioned in para – 8 of the bid document are acceptable to the tenderer. Such an undertaking is required from both the bidder and manufacturer (In case the bidder is not the manufacturer). Such undertaking need not be furnished for items which CMC cost is not required to be entered in the of financial bid.
- T. Signature & Seal on each page

The tender document has to be signed by the Bidder in all pages with office seal.

- U. Checklist of documents

A Checklist (Annexure-X) for the list of documents enclosed with their page number. The documents should be serially arranged as per this Annexure-X and should be securely tied or bound.

#### 4. PRICE BID

- Price bid of the tender should be submitted in the prescribed format at Annexure XI
- The bid should contain both the initial cost of the equipment as well as years wise CMC cost for 5 years after the warranty period.
- The rates should be quoted in Indian Rupees only.
- The rate quoted shall be inclusive of excise duty, all taxes, packaging charge, freight, Insurance etc. The component of GST should also be shown separately.
- Optional items shall not be taken into account for the finalization of the total cost and evaluation of the price bid.

#### 5. OPENING OF TECHNICAL AND PRICE BID

- A. All bidders are entitled to be present at the date and time of opening of Technical Bid.
- B. Only those bidders whose Technical Bids are found to be acceptable after

technical and commercial evaluation will be invited to be present at the date and time of opening of Price Bid of the tender. The price bids of tenderers which are not found technically qualified shall not be opened.

**6. VALIDITY OF BID:**

Bids shall remain valid for acceptance for a period of 180 days after opening of Technical Bid. Bids with shorter validity shall be rejected. Purchaser may solicit bidders consent to an extension of validity period. A bidder may refuse extension request without forfeiting the EMD.

**7. VALIDITY OF OFFER OF SUCCESSFUL BIDDER:**

The validity of offer of the successful bidder shall be at least one year from the date of finalization of the order and the successful bidder will be bound to supply the items at agreed rates and terms during this period. This validity period maybe further extended with mutual consent.

**8. Warranty and CMC Conditions:-**

- a. All quoted items should have warranty for a minimum period of at least 5 years from the date of installation followed by Comprehensive Maintenance Contract for another period of 5 years (beyond the warranty period) after warranty/guarantee period. All expenses related to the maintenance of the equipment during warranty as well as CMC period including all spares, durable/non-durable consumables, labour charges, import charges etc. except patient related consumables will be the sole responsibility of the supplier.
- b. The firm will have to guarantee an uptime of 95 % during warranty period and also during comprehensive maintenance contract period. The unit should remain functional for 95 % of working days in a calendar year of 365 days i.e the machine should be functional for 345 days out of 365 days. The penalty for down time shall be imposed @Rs.2000/- per day or part thereof beyond this permissible down time limit.

**9. Other Conditions:-**

- a. **Items details & Quantity:-**  
The detailed specifications and the Quantity of the items are shown at Annexure-XI
- b. **Firm Rates**  
Firm Rates (inclusive of GST, transportation, insurance, Packaging, Installation & Training at Site Charges and any incidental charges) should be quoted for the Equipments on door delivery basis. Tender for supply of equipments with conditional/variable rates shall not be accepted. Handling, clearing, transport charges etc., will not be paid separately. The delivery should be made as stipulated in the purchase order placed with the successful bidders. The rates quoted and accepted will be binding on the Bidder for the stipulated period and any increase in the price will not be entertained till completion of the tender



period.

- c. Controlled Price/MRP

The price quoted by the bidders shall not, in any case exceed the controlled price, if any, fixed by the Government and the Maximum Retail Price (MRP). During the period of contract with the successful bidder, if the price of any item is reduced due to any reason including any Law or Act of the Central/State Government, the bidder shall be statutorily bound to intimate the reduced rates immediately to the Tender Inviting Authority and shall charge the reduced rates. The Tender Inviting Authority is empowered to unilaterally effect such reduction as is necessary in rates, in case the bidder fails to notify or fail to agree to such reduction in rates.
- D. No Revision/Correction of Rates

No Bidder shall be allowed at any time on any ground whatsoever to claim revision or modification in the rates quoted by him. Representation to make correction in the tender documents on the ground of Clerical error, typographical error, etc., committed by the bidders in the Bids shall not be entertained after submission of the bids.
- e. Firm Delivery Schedule

Firm delivery schedule shall be mentioned in the bid. Cross conditions such as “SUBJECT TO AVAILABILITY” “SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED” etc., will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and will be summarily rejected.
- f. Execution of Order

Unless otherwise specified, supplies should be made directly by the successful bidder and not through any other agency.
- g. Inspection

Tender Inviting Authority or his authorized representatives have the right to inspect the equipments offered by the bidding entity which shall be arranged by the bidder at their own cost.
- d. ACCEPTANCE OF TENDER
  - a. Tender Evaluation

The price bids shall be evaluated by combining the initial cost with the total cost of annual CMC. Conditional discounts shall not be taken into account for price comparison.
  - b. Right to Reject Tender

Tender Inviting Authority reserves the right to accept the tender or to reject the whole tender for the supply of the Equipment tendered at any point of time

without assigning any reason.

c. Tender Acceptance

The acceptance of the tenders will be communicated to the successful bidders in writing.

**10. AGREEMENT**

The successful Bidder shall execute an agreement on a non-judicial stamp paper of value of Rs.100/- (stamp duty to be paid by the Bidder) within 10 days from the date of the intimation from Tender Inviting Authority informing that his tender has been accepted.

**11. NON ASSIGNMENT**

The Bidder shall not, at any time, assign, sub-let or make over the contract or the benefit thereof or any part thereof to any person or persons, whatsoever.

**12. COMMUNICATION**

All notices or communications relating to or arising out of an agreement or any of the terms thereof shall be considered duly served on or given to the Bidder if delivered to him or left at his premises, places of business or abode or sent to his e- mail address.

**13. SECURITY DEPOSIT**

The successful bidder, within 10 days of signing of the agreement, shall be required to submit Security Deposit of 10 % of the order value(Initial cost only) in the form of bank guarantee from any Indian nationalized bank in favour of the Tender Inviting Authority valid for a period of 5 years from the date of order. However, if the supplier fails to execute the order or fails to perform the services as per agreement, in addition to other penal actions, the bank guarantee shall be encashed and the amount will be forfeited. The Bank Guarantee shall be released in five equal installments on yearly basis subject to satisfactory functioning of the equipment.

**14. SUPPLY CONDITIONS**

a. Purchase Order

Purchase order will be placed to the successful Bidder at the discretion of the Tender Inviting Authority.

b. Specifications & Quality

The items supplied by the successful Bidder shall be of the best quality and shall comply with the specifications, stipulations and conditions specified in the tender document.

c. Delivery Period

The supply should be received, installed and commissioned within 90 (Ninety) days from the date of purchase order as mentioned in the P.O, unless otherwise specified in the order.

d. Delivery Point/Destination

The items shall be delivered to the HOD Concerned/Medical Superintendent/Storekeeper, Dr.YSPGMC,Nahan Himachal Pradesh.

e. Penalty for Delayed Delivery

- i. In case there is delay in delivery beyond the stipulated period as mentioned in the purchase order, there shall be reduction in price @ 1% of the value of delayed goods per week of delay or part thereof subject to a maximum of 10% of the total order value.
- ii. Once the maximum price reduction is reached, termination of the contract may be considered. Non-performance of the contract provisions shall make the successful bidder liable to be disqualified to participate in any tender for the next 5 years, in addition to forfeiture of Security Deposit and other penal actions.

f. Alternative Purchase

If the successful Bidder fails to execute the order within the stipulated time period, the Tender Inviting Authority will be at liberty to make alternative arrangements for purchase of the items of Equipment for which the purchase orders have been placed, from any other source or from the open market, at the risk and cost of the supplier. This would be in addition to any other penalties including forfeiture of security deposit.

g. Shortage and Damage

It shall be the responsibility of the successful Bidder for any shortages/damages at the time of receipt in Institution. Tender Inviting Authority is not responsible for the items received, for which no order is placed.

**15. FORCE MAJUERE**

The above conditions of delivery period, price reduction & termination etc. are subject to force majeure conditions which are beyond the control of the supplier, do not involve fault or negligence of the supplier and are not anticipated. Such events may include but are not limited to riots, mutinies, war, fire, storm, tempest, flood, earthquakes, epidemics, or other exceptional causes like quarantine restrictions, freight embargoes. On specific request made by the bidder the time

period of supply may be extended by the purchaser at his discretion for such period as may be considered reasonable. However, the condition shall not include scarcity of raw materials, power cut, labour dispute, failure of sub-vendor and increase in cost of raw material.

**16. FRAUD & CORRUPTION:**

The bidders, suppliers & contractors shall observe the highest standard of ethics during bidding and during performance of the contract. For the purposes of this provision, the following acts shall be considered as corrupt and / or fraudulent practices -

1. "Corrupt Practice" means offering, giving, receiving, or soliciting directly or indirectly, of anything of value to influence the action of an official in the procurement process or in contract execution.
2. "Fraudulent Practice" means misrepresentation or omission of facts in execution of contract.
3. "Collusive practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the purchaser, designed to establish bid prices at artificial, non-competitive level.
4. "Coercive Practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process or in execution of a contract.

During the process of evaluation of a bid or proposal for award of a contract, if it is detected that a bidder directly or through agent has engaged in corrupt, fraudulent, collusive or coercive practice in competing for the contract in question, then a) the bid shall be rejected and b) declare the firm ineligible for a specific period or indefinitely to participate in a bidding process. However, if any such practice is detected at any subsequent stage or during execution of the contract, the Tender Inviting Authority will exercise the right to cancel the contract and make suitable alternative arrangement at the risk and cost of such offending bidder.

**17. LOCAL CONDITIONS:**

It will be imperative on each bidder to fully acquaint himself of all local conditions and factors that would have any effect on performance of the Contract. The Tender Inviting Authority shall not entertain any request for clarifications from the bidder regarding such local conditions nor shall accept any offer conditional to the local factors. No request for any change of price or extension of time schedule of delivery of goods shall be entertained after acceptance of bids.

**18. LOGOGRAMS**

Logogram means, wherever the context occurs, the design as specified in Annexure-V.

- a. Tenders for the supply for equipment, shall be considered only if the Bidder gives undertaking in his tender that the items will be supplied with the logogram either printed or embossed or affixed as per the design at Annexure-V.
- b. All items have to be supplied in standard packing with printed logogram. Affixing of stickers and rubber stamps shall not be accepted.

- c. Failure to supply equipment, with the logogram will be treated as breach of the terms of agreement.

**19. PAYMENT PROVISIONS**

- A. Payments towards the supply of equipments will be made strictly as per rules of the Tender Inviting Authority. All payments shall be made by way of RTGS in favour of the supplier.
- B. On completion of supplies of ordered quantities bills/ Invoices along with installation reports should be raised in triplicate in the name of the Tender Inviting Authority with address.
- C. If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or Act of the Central or State Government or by the Bidder himself, the Bidder shall be bound to inform Tender Inviting Authority immediately about such reduction in the contracted prices. Tender Inviting Authority is empowered to unilaterally effect such reduction as is necessary in rates in case the Bidder fails to notify or fails to agree to such reduction in rates.
- D. Tender Inviting Authority has every right to receive supply even after expiry of contractual delivery date and in such case; price reduction as specified under Clause No. 15 e will be applicable.

**20. ANNULMENT OF AWARD, FORFEITURE OF SECURITY DEPOSIT & FRESH AWARD**

Failure of the successful bidder to comply with the requirements of signing of contract and / or submission of performance security within the time schedule as stipulated above shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security/EMD. Under such a situation, the proposal may be reviewed for award of the contract on the next lowest evaluated technically qualified bidder or go for a fresh bid depending on the circumstance. In case it is decided to go for the next lowest bidder, negotiation may be considered to bring down their price nearer to the originally evaluated lowest bidder.

**21. ARBITRATION**

Any dispute whatsoever in any way arising out of or relating to the contract shall be referred to the arbitration of the Director, Medical Education and Research, Shimla or to the sole arbitration of some person nominated by him. There shall be no objection if the arbitrator so appointed happens to be an employee of Deptt. Of Health & Family Welfare, H.P. The award of the arbitrator shall be final, conclusive and binding on all parties.

**22. SAVING CLAUSE**

No suit, prosecution or any legal proceedings shall lie against Tender Inviting Authority or any person for anything that is done in good faith or intended to be done in pursuance of tender.

**23. LAWS GOVERNING THE CONTRACT & JURISDICTION**

The contract shall be governed by the laws in force in India. In the event of any dispute arising out of the tender such dispute would be subject to the jurisdiction of the Court within the State of Himachal Pradesh only

Principal,  
Dr.YSPGMC,Nahan

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UNDERTAKING

To

Tender No. \_\_\_\_\_

For supply of \_\_\_\_\_

Sir,

1. I, Shri \_\_\_\_\_, on behalf of M/s \_\_\_\_\_ having registered office at \_\_\_\_\_, do hereby declare that I have gone through the terms and conditions mentioned for the above and undertake to comply with all tender terms and conditions. The rates quoted by me/us are valid and binding on me/us for acceptance for a period of one year from the date of award of contract to us.
2. I/We undersigned hereby bind myself/ourselves to the Office of Principal, Dr.YSPGMC,Nahan to supply the machinery & equipment. The rates quoted by me/us for the said tendered items are specified in the price bid. It is certified that rates quoted are lowest quoted for any institution in India and not higher than the MRP/ prevailing market rate.
3. The articles shall be strictly as per specification and of the best quality as per requirement of the institution. The decision of the Office of the Principal, Dr.YSPGMC,Nahan (Hereinafter called the said Purchaser) as regards to the quality and specification of article shall be final and binding on me/us.
  - a) Authorization from Manufacturer: We shall furnish authorization from the manufacturer legally enforceable undertaking to the Purchaser in appropriate format obligations valid for a period of 5 years from the date of supply of the supplied equipment.

4. We agree to the conditions of the tender under which the EARNEST MONEY DEPOSIT and SECURITY DEPOSIT & PERFORMANCE GUARANTEE shall be forfeited by us.
5. We hereby undertake to pay the penalty as per the terms and conditions of the contract for delayed supply of the ordered items or delayed maintenance thereof during the



warranty and CMC period as per the terms of tender contract.

6. We agree to accept the amount of the bill to be paid by the purchaser after completion of all formalities and should any amount of the bill found by the purchaser/auditors to have been over-paid; the amount so found shall be refunded by me/us.
7. We hereby undertake to supply the items during the validity of the tender as per direction given in supply order within the stipulated period.
8. The tender inviting authority has the right to accept or reject any or all the tenders without assigning any reason.
9. We understand all the terms and conditions of the contract and bind myself/ourselves to abide by them.
10. We hereby declare that there is no vigilance/CBI or court case pending/contemplated against us at the moment.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

**MANUFACTURER’S AUTHORIZATION FORM**

N0.

DATED

To,  
The Principal, Dr.YSPGMC, Nahan

Tender No. Dear Dir,

We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ having factories at \_\_\_\_\_ registered office at \_\_\_\_\_ Possessing manufacturing license (SSI) No. \_\_\_\_\_ dated \_\_\_\_\_ Valid up to \_\_\_\_\_ hereby authorize \_\_\_\_\_ (name and address of representative and firm), to submit a bid and subsequently negotiate and sign the contract with you against the above mentioned tender for the following items quoted.

- 1.
- 2.
- 3.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE MANUFACTURER :

ANNUAL TURNOVER STATEMENT OF THE BIDDER

The Annual Turnover of M/s \_\_\_\_\_ for  
the \_\_\_\_\_ past

three years and concurrent commitment for the current financial year are given below and certified that the statement are true and correct.

Sl No.	Year	Turnover in Rs Lakhs
1.	2016-17	
2.	2017-18	
3.	2018-19	
	Total	- Rs _____ Lakhs

Date :

Seal

:

Signature of Auditor / Chartered Accountant (Name in Capital Letters)

ANNUAL TURNOVER STATEMENT OF THE MANUFACTURER

The Annual Turnover of M/s \_\_\_\_\_ for  
the \_\_\_\_\_ past

three years and concurrent commitment for the current financial year are given below and certified that the statement are true and correct.

Sl No.	Year	Turnover in Lakh
1.	2016-17	
2.	2017-18	
3.	2018-19	
Total		- Rs _____ Lakhs

Date

:

Seal

:

Signature of Auditor / Chartered  
Accountant  
(Name in Capital Letters)

Performance Statement

Tender No:

Sl.	Name of the product	Qty supplied	Year of supply	Value	Name and full address of the purchaser
	1	2	3	4	5
1.					
2.					
3.					

(Please use additional sheets if required. Copies of purchase orders executed during last three financial years to be enclosed)

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

Tender No:

UNDERTAKING FOR EMBOSSMENT OF LOGO

We M/s ..... Do hereby declare that, if favored with an order, we will supply the ordered ITEMS embossed with Dr.YSPGMC, Logo as per instructions given in this regard.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :



Declaration on Manufacturing  
facilities (To be filled in & signed by  
the manufacturer)

Tender No. \_\_\_\_\_

For supply and installation of lab equipments

1. Name of the manufacturer :
2. Full Postal Address :
3. Telephone No. /Fax No. :
4. Email address :
5. Date of inception of business :
6. Registration no. & Date :
7. Issued by :
8. Valid till :
9. Details of manufacturing activity  
& item wise capacity :
12. Name of Govt. Departments/ Pvt. Institutions : As per enclosure  
to which the bidder already supplied the items  
with quantity value and supply period
18. Has the bidder ever been black listed by any govt. agency? If yes, give details. :
14. Are any cases pending in the court related to any supplies? If yes, give details :
15. Does the firm have the adequate facilities for Inspection and quality control? Please give details :

I, \_\_\_\_\_ of M/s  
\_\_\_\_\_ Prop./partner/Director

\_\_\_\_\_

Hereby declare that the information given in this form is true and correct to the best of my knowledge & belief.

I/we agree to the tender Inviting Authority forfeiting the Earnest Money Deposit and/or Performance Security Deposit and blacklisting us for a period of 5 years, if any information furnished by us is proved to be false at the time of inspection and non – compliance with terms and conditions of the contract

I offer to supply the items mentioned in the schedule (enclosed in price bid) at the rates quoted therein. I agree to hold this offer for two years after finalization of rate contract.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE MANUFACTURER :

★ The details of manufacturing unit shall be for the premises where items quoted are actually manufactured.





UNDERTAKING ON FRAUD & CORRUPTION

We ..... do hereby undertake that, in competing for (and, if the award is made to us, in executing) the subject contract for supply of ordered items under tender reference no ..... we shall strictly observe the terms and conditions against fraud and corruption in force in the country.

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

## AGREED TERMS &amp; CONDITIONS

Tender No. &amp; Date\_\_\_\_\_

## A. Details of

Bidder

Bidder

Name:

Offer Ref:

Contact Person:

Telephone No:

Signature:

Fax No:

E-mail:

B. Definitions

1. "Purchaser" means the Principal, Dr.YSPGMC,Nahan or his authorized representative.
2. "Bidder" means a person or firm or company who has made an offer for supply of goods and /or service as per tender.
3. "Vendor" or "Supplier" means a person or firm or company, to whom the order is addressed for supply of goods and /or services.
4. "Site" means the premises of the purchaser or any other place as decided by the Purchaser.

NOTE: The questionnaire below must be duly filled in and should be enclosed with un-priced Technical Bid. Clauses confirmed here under should not be repeated. All commercial terms and conditions should be indicated in this format. If necessary, details including deviations to the terms and conditions of the bid document, if any, should be enclosed as annexure to this questionnaire.

Sl. No.	Description	<u>Vendor's Confirmation</u> (Confirmed/Noted/Deviation furnished separately)
	C. Technical	
1.	Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents.	
2.	Confirm acceptance of Technical Specification and scope of supply as per Tender Document.	

	Confirm that the quality will be as per technical requirements.	
3.	In case of deviations, confirm that the same have been highlighted separately.	
4.	Confirm that literature and technical data, wherever applicable, have been enclosed.	
5.	Confirm that all certificates/ documents furnished.	
6.	Confirm that Earnest Money Deposit (EMD) as per bid document has been furnished.	
	D. Commercial	
1.	It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.	

2.	Confirm that the quoted landed price per kit is inclusive of cost of containers, packing & forwarding charges, freight, insurance and all duties and taxes viz. Excise Duty, GST.	
3.	Confirm furnishing of price break-up of each item showing basic price of item and GST as %age of basic price to arrive at landed price in D2 above.	
4.	If there is any variation or fresh imposition of Excise Duty at the time of supply due to various reasons, including turn-over, confirm that the same shall be borne by supplier.	
7.	Confirm that in case any new or additional duties and taxes are imposed after the contractual delivery date due to delays attributable to the supplier the same shall be borne by the supplier. This will be in addition to Price Reduction for Delay in Delivery.	
8.	Confirm acceptance of Price Reduction Schedule for delay in delivery @ 0.5% of delayed value of goods per week of delay or part thereof subject to maximum of 10% of the total order value beyond the mandatory delivery period i.e three months from the date of purchase order.	
9.	Confirm acceptance of Delivery Period as indicated under clause 15 c of the bid document.	
10.	Confirm acceptance of relevant payment terms specified in the bid document.	
11.	It is noted that delivery period, price reduction, termination etc. are subject to Force Majeure Condition as stipulated in the bid document.	
12.	Confirm that the quoted prices shall remain firm & fixed till complete execution of the order.	
13.	a) In case you are a manufacturer confirm that the prices quoted are not higher in any respect than MRP b) In case you are a dealer/ distributor / authorized agent, confirm that the prices quoted are as per manufacturer's price list with appropriate discount	
14.	Packing / forwarding, transportation, loading/unloading and insurance are supplier's responsibility. However, to protect the items from physical damages and/or deterioration due to weather during transit, supplier to ensure proper packing & handling arrangement. Please confirm compliance.	

15.	Confirm that security deposit of 10 % of the total order value in the form of a Bank Guarantee from a nationalized Bank shall be furnished, which will be valid for a period of five years from the date of order.	
16.	Confirm acceptance of the warranty and CMC terms & conditions as mentioned in bid document	
17.	Confirm acceptance of Repeat order within 24 months from the date of initial order at same price and terms & conditions.	
18.	Confirm that Road Permits for dispatch of materials will be arranged by Supplier.	
19.	It is noted that the purchaser would disown any responsibility / liability towards irregularity, contravention or infringement of any statutory regulations including those of patent, on manufacture or supply of goods covered by the order.	
20.	Terms & Conditions indicated in this format shall not be repeated in the bid. Terms & Conditions indicated elsewhere and contradicting those in this format shall be ignored. Confirm compliance.	
21.	Confirm that you shall observe the highest standard of ethics during bidding and in case favoured with an order, the execution of the order will be completed, without resorting to any fraud, corruption and/or coercion.	
22.	Confirm that the offer shall be valid for a period of 12 months from the date of bid opening.	

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM

Tender No. & Date \_\_\_\_-\_\_\_\_-\_\_\_\_

CHECK LIST

Sl No.	Cover A	Ye s	N O
1.	EMD in the form of DD/FDR submitted		
2.	Documentary evidence for the constitution of the company/concern		
3.	Attested photocopy of Manufacturing License duly approved by the Licensing Authority for the products quoted		
4.	Attested/notarized copy of valid European Union CE/USFDA/BIS/CDSCO Certificate.		
5.	Attested/notarized copy of valid ISO 9001:2008 Certificate.		
6.	Power of Attorney, Resolution of Board etc., authorizing an officer of the bidding firm to sign the tender documents.		
7.	Detailed specifications & dimensions of each item along with catalogue, drawings etc.		
8.	Undertaking in the form at Annexure-I		
9.	Authorization from Manufacturer to the bidder as per Annexure -II		
10.	Annual Turnover Statement for 3 years as per Annexure – III A & Annexure – III B		
11.	List of similar contracts executed during the last 3 years as per Annexure-IV.		
12.	Copy of GST and PAN card		
13.	Duly attested undertaking by the tenderer stating that no tax liability is pending against the tenderer or the firm to the Income tax deptt or any other deptt of State Govt. or the Govt. of India.		
14.	Technical Compliance Statement as per Annexure VII		
15.	Undertaking for <b>Embossment of Logo as per Annexure – V</b>		
16.	Details of Manufacturing Unit as per Annexure – VI		
17.	Undertaking on fraud and corruption as per Annexure – VIII		
18.	Agreed Terms and conditions as per Annexure – IX		
19.	Undertaking regarding acceptance of warranty terms		
20.	Undertaking regarding acceptance of CMC terms		
21.	Signature and seal on each page of Tender Document		
22.	Affidavit to the effect that the manufacturer/Bidder has not been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization.		

To be submitted in Cover B – Price Bid for \_\_\_\_\_ (to be filled by tenderer)

ANNEXURE-XI

Name of the Item (s) (Items mentioned in the schedule of requirement)	Make & Model	Unit Price with all accessories which includes customs duty, packing, insurance, forwarding , transportation (door delivery) with 3 (three) years onsite warranty & excludes GST  Cost in Rs. (both in words & Rupees	CMC (excluding GST of Service GST) for 5 years after expiry of three years warranty period (please mention on yearly basis)	**Cost of Turnkey if any (all accessories for installation & commissioning including GST for turnkey in Rs. (Door delivery & installation)	*Total Cost of the Item (Unit Price with CMC & Turnkey if any) (Exclusive of GST)	GST (if any) on & above the item price mentioned in (3) % of the GST & it's value in Rs.)
(1)	(2)	(3)	(4)	(5)	(6) =(3)+(4)+(5)	(7)
			1st year after warranty: 2nd year after warranty: 3rd year after warranty: 4th year after warranty: 5th year after warranty:  Total			

Price of each item (s) for Annexure XII quoted should be mentioned separately in separate sheet & should be sealed in separate envelopes

\* GST which will be chargeable on the price (3) shall be mentioned separately in column 7 above.

\*\* The cost of turnkey shall only be quoted if any specific accessories/equipment is required for installation & commissioning. In case of turnkey, the details of accessories/equipment are to be mentioned. CMC should be quoted for the items as mentioned follows. Signature of the Bidder:

Name :

Date :

Place :

Seal

1. Rates should be quoted both in figures & words for each item and if there is any discrepancy, the quoted rates in words will be taken for evaluation.

2. The tenderer has to mention the make / brand, specification, warranty of all the items.



Dr. Y. S. Parmar Government Medical College Nahan (Sirmaur) Himachal Pradesh (173001)

**ANNEXURE-a(i)**  
**TECHNICAL SPECIFICATIONS FOR**  
**SUPPLY OF EQUIPMENT FOR ENT DEPARTMENT**

Sr. No.	Equipment/Item	Specifications
	<b>(A)NASAL ENDOSCOPIC UNIT</b>	
<b>1.</b>	<b>Full High Definition Three Chip Camera System:</b>	1. Camera control unit with 3 chip HD camera head having HD CCD chip of same aspect ratio of 16:9 2. Pure Digital signal with high definition video (1920*1080 P ) with aspect ratio 16:9 with DVI-D, RGB, S-VHS video output. 3. Integrated Flexible Scope filter 4. Progressive scan technology 5. Brightness Control 6. Aperture Control 7. Automatic digital Image Enhancer 8. Should have integrated optical zoom lens 14-30mm, to increase and decrease the size of image which should remain in focusing zone, without readjusting the focus. 9. Should have Integrated Gain, shutter, Enhancement, white balance with brightness control. 10. Should have peripheral control on CCU for 11. Should have USB/Image Capture Module interface for direct storage of still & video sequences and to print the still images or complete external video recording of medical grade should be provided. 12. The camera head should have integrated zoom and focus lens/rings to make it fully soak able. 13. Should be IEC 601-1, CE according to MDD.
<b>2.</b>	<b>High Resolution HDVideo medical grade Monitor:</b>	24" or 26"High Definition Medical grade Monitor, resolution 1920 X 1200 with DVI, RGB, input, Option for wall mounting and desktop in same unit. Should have same aspect ratio of 16:9 or 16:10 of the endoscopic HD camera system. Fast response time:(5-12ms) Number of colors:16.8 million Luminance: 400cd / m2. Contrast ratio: 1000:1 Vertical/Horizontal Viewing Angle:178 degree
<b>3.</b>	<b>Xenon Light Source:</b>	<b>Xenon Light Source:</b> Xenon light source of 175 Watts Should be able to produce color temperature of 6000 K Should have continuous manual adjustment of light output.

		Should have standby mode and automatic recovery of last setting of intensity of light. Should be able to display lamp life in digital form and should give visual indication for replacement of xenon lamp in case of lamp life of 500 Hrs is over. Should be certified IEC 601-1 and CE according to MDD.
4.	<b>Xenon spare lamp of 175 Watts suitable for Xenon light source</b>	Xenon spare lamp of 175 Watts suitable for Xenon light source
5.	<b>Fiber Optic Light Cable</b>	Fiber Optic Light Cable: Fiber Optic light cable of actual bundle size: 3.5-3.8mm, length : 250-275cm
6.	<b>Video Trolley</b>	Video Trolley: Suitable Medical Grade video trolley to be supplied for mounting equipments having minimum three self in addition to with one drawer, with antistatic wheel casters, front lockable, high grade of electrical insulation and earth protection. 5 Ampere socket, 10Nos, inbuilt with trolley to connect all electronic devices. CO2 bottle stand should be integrated with trolley. Potential equalization connection to be provided at least 8 points. Preferably from OEM. <b>Power Supply</b> 1. Power input to be 220-240VAC, 50Hz fitted with Indian plug 2. UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up.
		<b>Standards, Safety and Training</b> 1. Should be FDA, CE, UL or BIS approved product 2. Manufacturer should have ISO certification for quality standards. 3. Comprehensive training for lab staff and support services till familiarity with the system. 4. Comprehensive warranty for 2 years with no fault warranty in the first year and 5 years CMC after warranty including UPS. Shall be certified to be meeting safety standard IEC 60601-2-18 part 2 Particular requirements for the safety of endoscopic equipment
7.	<b>B FESS INSTRUMENTS Endoscope 0 degree 4.0mm</b>	<b>Endoscope 0 degree 4.0mm</b> Straight, forward Endoscope, 0 degree, Enlarged view, size: 4mm. Rode lenses system, Length: 18-19 cms, Autoclavable, Fiber Optic light transmission incorporated
8.	<b>Sickle Knife</b>	Sickle Knife 19 cm. Pointed
9.	<b>Frontal sinus 'J' curette</b>	Frontal sinus 'J' curette. Small-oval. Fwd cutting. 55 degree. Cvd. WL 19cm
10.		BLAKESLEY-WILDE Ethmoid forceps, 45 Degree, Tubular. WL 13cm. (3mm & 4mm)
11.		BLAKESLEY-WILDE Ethmoid forceps, Straight, Tubular. WL

		13cm. (3mm & 4mm)
12.		BLAKESLEY-WILDE Ethmoid forceps, Ald. Up 90 degree, Tubular Solid. WL 13cm. (3mm & 4mm)
13.		Suction Cannula. Eicken. Long Cvd. WL 15cm. Set of 3 (OD 3/4/5 mm)
14.		Suction Cannula. Eicken. Short Cvd. WL 15cm. Set of 3 (OD 3/4/5 mm)
15.		Punch/ROnguer. Kerrison. 2mm-Cvd. Up. Shaft 18cm/7". 2mm bite.
16.	<b>C. MASTOID DRILL/ NASAL DRILL WITH STYLUS</b>	<p>* Mastoid drill should be able to operate upto 75000 rpm.</p> <ul style="list-style-type: none"> <li>• Otology drill hand piece with straight and agled attachments for mastoid procedure with 7 cm length.</li> <li>• Otology drill bits <ul style="list-style-type: none"> <li>• Cutting round: sizes – 0.5mm to 6mm 5 each</li> <li>• Cutting conical: sizes 4-6mm 2 each</li> <li>• Diamond round: sizes – 0.5 to 6mm 2 each</li> </ul> </li> </ul> <p>***PRODUCT SHOULD HAVE CE AND USFDA CERTIFIED</p>
17.	<b>D. OTOCSOPE PEN TORCH</b>	Model magnification ring illumination with halogen bulb attachment for air pressure (changes battery operated using AA pen torch cells spare batteries and spare bulbs 3 certificate : USFDA/European CE approved.
18.	<b>E. HEAD LIGHT WITH INTERNAL FIBRO OPTIC LIGHT CABLE FULL ADJUSTABLE</b>	Head light ,light model illuminated area 65 mm in diameter with 46 cm working distance with thin integral fibrooptic light cable diameter 2.5 mm,with fully adjustable ,comfortable head band Head light adjustable in three diamenstiosn vertical adjustment at head band, front part rotateble through 45 degree to the left and to the right and 165 downword. Self retaining in any postion ,nodevation from desired position
19.	<b>F. <u>TONSILECTOMY INSTRUMENT LIST</u></b>	Mouth Gag, Frame – Boyle Davis; with fixed teeth plate. With 3 tongue Blades. Child With 3 Slotted Doughty Blades. Child. With 5 Tongue Blades. Adult With 5 Slotted Doughty Blades. Adult.
		Snare, Tonsil. Eves. Sliding Action. 28cm/11".
		Snare Wire. Tonsil. Pkt of 12. 26 SWG.
		Draffins bipod with 4 rings. 48cm/19"
		Magauran Plate. For Bipod. 40cm/16"
		Cannula, Suction. Yankauer. CP. L 27cm.
		Fcps. Tonsil Artery. Negus. 19cm/7.5". 1 <sup>st</sup> Cvd.
		Fcps. Tonsil Artery. Birkett. 19cm/7.5" ½ Serr. Straight
		Fcps. Tonsil Artery. Birkett. 19cm/7.5" ½ Serr. 2 <sup>nd</sup> Cvd.
		Fcps. Tonsil Artery. Wilson. 19cm/7.5". Dcvd.
		St clair Thompsons quinsy forceps

		Tonsil Dissector. 9mmW & Pillar Retractor. Hurd. 20cm/8".
		Tonsil Dissector. Gwynne Evans. D/E. 8mm. Serr. End. 20cm/8"
		ST Claire Thomson Adenoid Curette with cage
		Scalpel/B.P. Handle. No.7. L.18cm
		ST Claire Thomson Adenoid Curette without cage, SS Handle, Working Length=24cm/9.25"; Set of 3 (10/12/14mm)
		Waugh's dissecting forceps. 20cm/8". 2mm.Serr
		Waugh's dissecting forceps. 20cm/8". 1x2 Tth.
		Pusher/ Knot tier. Negus. 20cm/8"
		Fcps., Tonsil Holding. Denis Browne. Large. 20cm/8"
<b>20.</b>	<b>G. SEPTOPLASTY INSTRUMENT LIST</b>	
		Higginsonns syringe
		Nasal snare
		Nasal suction tips
		Freer Elevator. D/E/ 3mm/ Sh/Bl/ 19cm/7.5"
		Ballenger Knife. Nasal Cartilage. Cvd. Revolving. 20cm/8". 4mm blade
		Lucs Nasal forceps. Oval. 19cm/7.5". Small 6mm
		Lucs Nasal forceps. Oval. 19cm/7.5". Large 9mm
		Forceps. Nasal Polypus. Crocodile. Serr., Jaw. 12cm/4.75".
		Needle holder, straight, Both jaws serrated, very delicate, 17 cm
		JOSEPH Scissors, curved, 14 cm
		Mallet
		Gouge. Nasal. 5mm. Killian.17 cm/6.75".
		Gouge, Nasal. 5mm. Tilley. V Shaped. 17cm/5"
		Chisel
<b>21.</b>	<b>H. LARYNGOSCOPY INSTRUMENT LIST:</b>	
		Anterior commissure laryngoscope adult size
		Negus laryngoscope adult size
		Lighting system for laryngoscope
		Biopsy forceps
		Foreign body removal forceps
		Laryngeal suction
		Suspension system for laryngoscope
		Microlaryngeal cup forceps
		Microlaryngeal scissors
<b>22.</b>	<b>I. TRACHEOSTOMY INSTRUMENT LIST:</b>	

		Needle holder
		Fcps. Tracheal dilator adult
		Ribbon right angled retractors
		Cricoid hook
		Curved artery forceps
		Straight artery forceps
		Bard parker knife handle
		Fullors T- Tube no 32/34
		Jacsons T-Tube 7/7.5
23.	<b>J. TECHNICAL SPECIFICATION FOR IMMITANCE AUDIOMETRY</b>	
		Three-component tympanometry (Admittance, Susceptance and Conductance) 226 Hz, and 1000 Hz (Probe tones: 226 Hz: 85 + 1.5 dB SPL/1000 Hz: 75+3 dB SPL). Probe assembly with contralateral insert ear phones
		Acoustic reflex measurement: <ul style="list-style-type: none"> <li>• Acoustic reflex thresholds : 500Hz to 4 kHz : 110 dBHL</li> <li>• Acoustic reflex decay</li> </ul>
		Eustachian tube function tests (Intact and perforated)
		Multiple Frequency Tympanometry (both sweep frequency & pressure method)
		Facility for altitude calibration
		Printer and paper (at least 1 dozen roll) with at least 10 boxes of ear tips of different sizes.
		Interface with computer
		Facility for calibration (inbuilt or separate) should be provided
		Accessories/consumables: <ul style="list-style-type: none"> <li>a) Compatible probe assembly compatible: 5 pair</li> <li>b) Compatible extra tips other than the standard 10 boxes: 10</li> <li>c) Complete cleaning kit</li> </ul>
		CE/ANSI certified
		<b><u>TERMS AND CONDITIONS</u></b> <ul style="list-style-type: none"> <li>• The system should be complete in itself and fully functional with appropriate softwares and hardwares when supplied</li> <li>• Demo is must</li> <li>• After sale service with penalty clause</li> <li>• After sale service should include periodic whole system calibration (with couplers) minimum twice an year and on SOS basis</li> </ul> Warrantee of the equipment is at least for three years from the date of supply.
24.	<b>K. TECHNICAL</b>	

	<b>SPECIFICATIONS FOR SUCTION MACHINE WITH PUMP:</b>	
		<ul style="list-style-type: none"> <li>• High vacuum suction unit run on electricity.</li> <li>• It should be mobile portable unit with weight 5 – 6 kg</li> <li>• Fast and efficient jar change facility.</li> <li>• Easy access and control</li> <li>• It should be heavy duty and noiseless.</li> <li>• Should be able to create desired maximum vacuum in-least possible time</li> <li>• Two jars of minimum capacity 3 litres, reusable and autoclavable.</li> <li>• One plastic suction jar cover, steam sterilisable to be provided extra.</li> <li>• Also should have an option of foot operable switch along with other switch.</li> <li>• Power supply: 230-250V/50Hz</li> <li>• Vacuum capacity: &gt;18 litres /min.</li> <li>• Maximum depression: -75kPa (-563mmHg)</li> <li>• Vacuum is created by a plastic piston and cylinder system, with four vacuum creating modules.</li> <li>• The membrane vacuum regulator permits accurate vacuum settings.</li> <li>• Double overflow-protection system (bottle and pump).</li> <li>• Working temperature range: +5 to +40°C.</li> </ul> <p>(Two extra suction jars of capacity 3 litres should be quoted with accessories like lid, tubing etc)</p>
25.	<b>L. EAR SURGERY INSTRUMENTS LIST;</b>	
		Suction/Irrigation tube. Fisch/House. L. 16cm/6.5". 4.0mmx2.5mm/12x8ch
		Seeker & Curette. Macewen. 19cm/7.5", Oval
		Set of 14 tungsten carbide burrs(all sizes and conical shape)
		Set of 15 diamond straight burrs
		Hartmann Ear Speculum. Black. 3.5cm. Set of 4 (Diameter 3/4/5/6 mm)
		Tumarkin Transmeatal Speculum. Black. 45mm. Set of 4 (Diameter 4/5/6 /7mm)
		Jobsons horn probe
		BULLS EYE LAMP
		HEAD MIRROR

**ANNEXURE-a(ii)**

**TECHNICAL SPECIFICATIONS FOR  
SUPPLY OF EQUIPMENT FOR OPHTHALMOLOGY DEPARTMENT**

Sr. No	Equipment/Item	Specifications																						
1.	<b>Advance 4<sup>th</sup> Generation Phaco Machine</b>	2.1 The units should possess irrigation, irrigation/aspiration, ultrasound, diathermy, and vitrectomy operational modes.																						
		<table border="1"> <tr> <td data-bbox="532 695 599 737">2.1</td> <td data-bbox="599 695 1365 737">Phaco power 0-100%</td> </tr> <tr> <td data-bbox="532 779 599 821">2.2</td> <td data-bbox="599 779 1365 821">Phaco Vacuum Level: 0-500mmHg</td> </tr> <tr> <td data-bbox="532 863 599 905">2.3</td> <td data-bbox="599 863 1365 905">Pump Flow Rate 10 to 40 cc per min</td> </tr> <tr> <td data-bbox="532 947 599 989">2.4</td> <td data-bbox="599 947 1365 989">Ultrasound delivery should be available in continuous, micro pulse and burst mode - without generating significant heat.</td> </tr> <tr> <td data-bbox="532 1031 599 1073">2.5</td> <td data-bbox="599 1031 1365 1073">For effective cold phaco it should have software for adjustable duty cycle.</td> </tr> <tr> <td data-bbox="532 1115 599 1157">2.6</td> <td data-bbox="599 1115 1365 1157">Advanced fluidics with sensor system for vacuum and irrigation.</td> </tr> <tr> <td data-bbox="532 1199 599 1241">2.7</td> <td data-bbox="599 1199 1365 1241">Digital pulse pump with vertically designed fluidics panel, vacuum sensitive proportional fluid venting.</td> </tr> <tr> <td data-bbox="532 1283 599 1325">2.8</td> <td data-bbox="599 1283 1365 1325">IA vacuum level 0-500 mm Hg. Pump Flow rate 10-40cc/min.</td> </tr> <tr> <td data-bbox="532 1367 599 1409">2.9</td> <td data-bbox="599 1367 1365 1409">Flat panel color display screen 13-15 inches.</td> </tr> <tr> <td data-bbox="532 1451 599 1493">2.10</td> <td data-bbox="599 1451 1365 1493">Computer microprocessors-Intel chipset for medical applications.</td> </tr> <tr> <td data-bbox="532 1535 599 1577">2.11</td> <td data-bbox="599 1535 1365 1577">Simple to service and upgrade, customized surgeons programs, programmable power pole with automatic programmed adjustment of bottle height during each procedural phase.</td> </tr> </table>	2.1	Phaco power 0-100%	2.2	Phaco Vacuum Level: 0-500mmHg	2.3	Pump Flow Rate 10 to 40 cc per min	2.4	Ultrasound delivery should be available in continuous, micro pulse and burst mode - without generating significant heat.	2.5	For effective cold phaco it should have software for adjustable duty cycle.	2.6	Advanced fluidics with sensor system for vacuum and irrigation.	2.7	Digital pulse pump with vertically designed fluidics panel, vacuum sensitive proportional fluid venting.	2.8	IA vacuum level 0-500 mm Hg. Pump Flow rate 10-40cc/min.	2.9	Flat panel color display screen 13-15 inches.	2.10	Computer microprocessors-Intel chipset for medical applications.	2.11	Simple to service and upgrade, customized surgeons programs, programmable power pole with automatic programmed adjustment of bottle height during each procedural phase.
2.1	Phaco power 0-100%																							
2.2	Phaco Vacuum Level: 0-500mmHg																							
2.3	Pump Flow Rate 10 to 40 cc per min																							
2.4	Ultrasound delivery should be available in continuous, micro pulse and burst mode - without generating significant heat.																							
2.5	For effective cold phaco it should have software for adjustable duty cycle.																							
2.6	Advanced fluidics with sensor system for vacuum and irrigation.																							
2.7	Digital pulse pump with vertically designed fluidics panel, vacuum sensitive proportional fluid venting.																							
2.8	IA vacuum level 0-500 mm Hg. Pump Flow rate 10-40cc/min.																							
2.9	Flat panel color display screen 13-15 inches.																							
2.10	Computer microprocessors-Intel chipset for medical applications.																							
2.11	Simple to service and upgrade, customized surgeons programs, programmable power pole with automatic programmed adjustment of bottle height during each procedural phase.																							

2.12 Advanced technology multifunctional foot switch,

2.13 Ant Vitrectomy attachment should be available upto 600 cuts/minute.

### 3 System Configuration Accessories, spares and consumables

3.1 System as specified

3.2 All consumables required for installation and standardization of system to be given free of cost.

### 4 Environmental factors

4.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50deg C and relative humidity of 15-90%

4.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%

### 5 Power Supply

5.1 Resettable overcurrent breaker shall be fitted for protection

5.2 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.

5.3 Power input to be 220-240VAC, 50Hz fitted with Indian plug

5.4 Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.( Input 160-260 V and output 220-240 V and 50 Hz)

### 6.Standards, Safety and Training

6.1 Comprehensive training for lab staff and support services till familiarity with the system.



		<p>62 Should be FDA, CE, UL or BIS approved product</p> <p>6.3 Comprehensive warranty for 2 years and 5 years AMC after warranty</p> <p>6.4 Electrical safety conforms to standards for electrical safety IEC 60601-1 (OR EQUIVALENT international/national standard)General requirement for Electrical safety of Medical Equipment.</p> <p><b>7 Documentation</b></p> <p>7.1 User/Technical/Maintenance manuals to be supplied in English.</p> <p>7.2 Certificate of calibration and inspection.</p> <p>7.3 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.</p> <p>7.4 List of important spares and accessories with their part number and costing.</p> <p>7.5 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.</p> <p>7.6 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job descriptin of the hospital technician and company service engineer should be clearly spelt out.</p>
2.	<b>Operating Microscope(with camera &amp; video recording)</b>	<p><b>1 Description of Function</b></p> <p><b>1.1 Ophthalmic operating microscopes are used to magnify eye anatomy to assist during ophthalmic susrgery</b></p> <p><b>2 Operational Requirements</b></p> <p><b>2.1 Ophthalmic microscope with camera and video recording facility with all accessories is required.</b></p>

		<p><b>3 Technical Specifications</b></p> <p><b>3.1 Compact microscope body with high quality apochromatic Optics with 1:6 zoom ratio, Retina Protection Device and contrast enhancement aperture.</b></p> <p><b>3.2 Inclunable 180 Deg. Binocular tube with 12.5 X magnification eye pieces</b></p> <p><b>3.3 Objective with 200mm focal length for convenient working distance</b></p> <p><b>3.4 +2 Deg. Retro illumination with continuous fading mechanism of co-axial illumination from 2 Deg. to 2+6 Deg.</b></p> <p><b>3.5 Integrated slit illumination system with horizontal and vertical moving facility.</b></p> <p><b>3.6 Integrated Depth of Focus mechanism for improved depth of focus during surgery.</b></p> <p><b>3.7 Motorized foot controlled X-Y coupling with automatic re-centering and X-Y inversion facility.</b></p> <p><b>3.8 Motorized foot controlled Zoom and focus with recentring of focussing position thru foot control.</b></p> <p><b>3.9 High quality programmable floor stand with magnetic breaks and clutches for easy positioning through handles and suspension arm.</b></p> <p><b>3.10 Stand should have programming facility for setting the speed of XY, Zoom and focus with storage facility of initial setting for multiple users.</b></p> <p><b>3.11 Stand should have cold light fiber Optic Illumination with two illumination bulb with semi automatic changeover facility.</b></p> <p><b>3.12 Independent integrated binocular assistant microscope with 5 Step magnification changer and focussing.</b></p> <p><b>3.13 3CCD Digital camera attachment and digital video recording facility with imported high quality video trolley with isolating transformer.</b></p> <p><b>4 System Configuration Accessories, spares and consumables</b> None</p> <p><b>5 Environmental factors</b></p> <p><b>5.1 The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90%</b></p> <p><b>5.2 The unit shall be capable of operating in ambient temperature of 20-30 deg C and relative humidity of less than 70%</b></p> <p><b>6 Power Supply</b></p> <p><b>6.1 Power input to be 220-240VAC, 50Hz fitted with Indian plug</b></p> <p><b>6.2 Voltage corrector/stabilizer of appropriate ratings meeting ISI Specifications.( Input 160-260 V and output 220-240 V and 50 Hz)</b></p> <p><b>6.3 Suitable UPS with maintenance free batteries for minimum one-hour back-up should be supplied with the system.</b></p> <p><b>6.4 Resettable overcurrent breaker shall be fitted for protection</b></p>
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		<p><b>7 Standards, Safety and Training</b></p> <p><b>7.1 Manufactures/Supplier should have ISO certificate to Quality Standard.</b></p> <p><b>7.2 Should be FDA, CE, UL or BIS approved product</b></p> <p><b>7.3 Comprehensive training for lab staff and support services till familiarity with the system.</b></p> <p><b>7.4 Comprehensive warranty for 5 years and provision of AMC for next 5 years.</b></p> <p><b>7.5 Electrical safety conforms to standards for electrical safety IEC 60601-1 (OR EQUIVALENT international/national standard)General requirement for Electrical safety of Medical Equipment.</b></p> <p><b>7.6 Should have local service facility .The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.</b></p> <p><b>8 Documentation</b></p> <p><b>8.1 User/Technical/Maintenance manuals to be supplied in English.</b></p> <p><b>8.2 Certificate of calibration and inspection.</b></p> <p><b>8.3 Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet.Any point ,if not substantiated with authenticated catalogue/manual, will not be considered.</b></p> <p><b>8.4 Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job descriptin of the hospital technician and company service engineer should be clearly spelt out.</b></p> <p><b>8.5 List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual.</b></p> <p><b>8.6 List of important spare parts and accessories with their part number and costing.</b></p>
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3.	Slit Lamp With Applanation Tonometer	<table border="1"> <thead> <tr> <th data-bbox="493 1394 610 1436">S.No</th> <th data-bbox="610 1394 906 1436">Parameters</th> <th data-bbox="906 1394 1421 1436">Specifications and Range</th> </tr> </thead> <tbody> <tr> <td data-bbox="493 1436 610 1507">1</td> <td data-bbox="610 1436 906 1507">Type</td> <td data-bbox="906 1436 1421 1507">Galilean magnification changer with converging binocular tube</td> </tr> <tr> <td data-bbox="493 1507 610 1545">2</td> <td data-bbox="610 1507 906 1545">Magnification</td> <td data-bbox="906 1507 1421 1545">5 steps by drum rotation</td> </tr> <tr> <td data-bbox="493 1545 610 1583">3</td> <td data-bbox="610 1545 906 1583">Eye piece</td> <td data-bbox="906 1545 1421 1583">12.5 X</td> </tr> <tr> <td data-bbox="493 1583 610 1797">4</td> <td data-bbox="610 1583 906 1797">Magnification ratio</td> <td data-bbox="906 1583 1421 1797">6x{35.1mm} {field of view} 10x{22.5mm} 16x{14.1mm} 25x{8.8mm} 40x{8.8mm}</td> </tr> <tr> <td data-bbox="493 1797 610 1869">5</td> <td data-bbox="610 1797 906 1869">Slit width and length adjustability</td> <td data-bbox="906 1797 1421 1869">continuous type, Continuous from 14 to 0 mm {at 14 mm, slit becomes a circle} Slit length Continuous from 14 to 1 mm {at 14 mm, slit becomes a circle}</td> </tr> <tr> <td data-bbox="493 1869 610 1927">6</td> <td data-bbox="610 1869 906 1927">Slit angle</td> <td data-bbox="906 1869 1421 1927">0 to 180 degree with horizontal scanning capability</td> </tr> </tbody> </table>	S.No	Parameters	Specifications and Range	1	Type	Galilean magnification changer with converging binocular tube	2	Magnification	5 steps by drum rotation	3	Eye piece	12.5 X	4	Magnification ratio	6x{35.1mm} {field of view} 10x{22.5mm} 16x{14.1mm} 25x{8.8mm} 40x{8.8mm}	5	Slit width and length adjustability	continuous type, Continuous from 14 to 0 mm {at 14 mm, slit becomes a circle} Slit length Continuous from 14 to 1 mm {at 14 mm, slit becomes a circle}	6	Slit angle	0 to 180 degree with horizontal scanning capability
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5	IPD Range in mm	55-75 mm
6	Dioptric Range	-6 Dto +6D
7	Filters	Filters Blue,Red-free,Amber UV cut (normal use), ND(13% transmission ),Heat insulation Exciter/Barrier (Factory option)
8	Slit angle in Degree	0 to 180
9	Fixation target	Red LED or white bulb
10	Base movements	Longitudinal movement 90 mm Lateral movement 100 mm Fine base movement 15 mm Vertical movement 30 mm
11	Chinrest	329 mmx306 mmx652-682 mm
12	Working range in mm	75 to 100 mm
13	Chin rest vertical movement	Up to 80 mm
14	Applanation tonometer to be supplied	yes
15	Power Input and Voltage	(primary) 100-120 V, 220-240 ac Frequency 50/60 Hz Power consumption 160 VA F.
16	Spare prisms	3
17	Spare bulbs	3
18	Motorized table with motorized moment up and down	Yes
19	Illumination type	12V,30W halogen lamp or LED
20	Certification	US FDA/EUROPEAN CE required•
21	UPS to be supplied	Yes



		<p>Contrast ratio :5000:1  Effective Resolution: 3840 X 2160 Pixels  Max. observation angle: 178° vertical/horizontal.  Inputs: 1 x DP ,1XDVI-D ,1X 12G SDI</p>												
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		<p>50L flow capacity</p> <ul style="list-style-type: none"> <li>• Should have parallel suction and smoke evacuation facilities</li> <li>• Multi-specialty usage &amp; compatibility for urology shaver system</li> </ul> <p><u>Technical specifications:</u></p> <p>Line Voltage: 100-240V  Power Frequency: 50/60Hz  Power Consumption: 30W  Dimensions: (wxhxd): 305mm x 50mm x 320mm</p>
		<p><b>7 Insufflator 40L</b></p> <p>Insufflator 40L, Innovative Sensitive Mode for sensitive areas such as pediatric application with safety limits in the pressure up to maximum 15 mmhg and flow ranges up to maximum 15 l/min.  High flow mode with flow performance up to 40 l/min.  Individually programmable procedure list for starting device with personal presets  Easy and intuitive use with user friendly colour touch screen for easy and precise setting of set values for pressure and flow and of insufflation mode, as well as for clear display of corresponding set values and actual values.  Optical and acoustic alarm signals in the event of patient overpressure.  Fully automatic, electronically controlled gas refill.  Safety system: Constant monitoring of intra abdominal pressure; any overpressure is reduced immediately.  CO2 High Pressure Tube, length 102 cm  Insufflation Tube, Sterilizable, inner diameter 9mm length 250 CM  Gas filter ISO connector hydrophobic on</p>

		<p>both sides sterile for single use, package of 25 for flow up to 40l/min High pressure Inline gas filter</p>
		<p><b>8 TELESCOPES</b></p> <ol style="list-style-type: none"> <li>1. Forward-Oblique Telescope 30° enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated.</li> <li>2. Forward-Oblique Telescope 30° enlarged view, diameter 5 mm, length 29 cm, autoclavable, fiber optic light transmission incorporated, connection for fiber optic light cable offset by 90°.</li> <li>3. One Telescope, diameter 10 mm, length 32 cm, autoclavable, variable direction of view from 0° - 90°, adjustment knob for selecting the desired direction of view, fiber optic light transmission incorporated or Five different telescopes for all angle variations used in Lap surgery.</li> <li>4. Straight Forward Telescope 0° enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated.</li> <li>5. Telescope 0°, enlarged view, diameter 5 mm, length 29 cm, autoclavable, fiber optic light transmission, incorporated.</li> </ol>
		<p><b>9 Suction and Irrigation device</b></p> <p>Pressure regulated suction and irrigation system for use in Laparoscopy Unit should be with touch screen as user interface. The unit should be with feature of automatically fixing maximum parameters for LAPOSCOPY and HYSTEROSCOPY mode by the choice of tubing.</p> <p>Unit should have feature of simultaneous display of set values and actual values, enabling user for continuous monitoring of suction and irrigation parameters</p> <p>Should have feature of use of disposable/reusable cassette tubing set for LAPROSCOPY/HYSTEROSCOPY procedures.</p> <p>Unit should be supplied with glass suction bottle 5lt, bottle cap, bottle stand and bottle holder.</p> <p>Pressure Flow: HYS 0-200 mmHg LAP 100/300/500 Hg Flow:</p>



	LAP: 0-1300ml/min HYS: 200/400/600 ml/min Suction Pressure regulated: HYST: 0.1-(-)0.8bar (-80kPa) LAP: 0.1-(-)0.8bar(-80kPa) Power supply: 100-240VAC , 50/60HZ Certified to: IEC 601-1, CE nach MDD
<b>10</b>	<b>Imported Endoscopic Trolley</b>
	Endoscopic Trolley Comaptible with the above system from the same manufacturer should be provided.
	<b><u>Note: All the equipment's should be USFDA and CE approved and should be from the same manufacturer.</u></b>

## Lap Hand Instruments

### LAPAROSCOPIC DISSECTING & GRASPING FORCEPS

1. Three part laparoscopic autoclavable KELLY Dissecting and Grasping Forcep, 360 degree rotational sheeth, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
2. Three part laparoscopic autoclavable CROCE-OLMI Grasping Forcep, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
3. Three part laparoscopic autoclavable Bowel Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
4. Three part laparoscopic autoclavable Right Angled Dissecting and Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheeth, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.
5. Three part laparoscopic autoclavable MANHES Grasping Forcep with ratchet, Tiger Jaws, 2X4 teeth,

		<p>360 degree rotational sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with lock ,ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.</p> <p>6. Three part laparoscopic autoclavable anvil Grasping Forcep, double action jaws, fenestrated, 360 degree rotational sheath, size 5 mm, length 36 cm, long, double action jaws, ergonomic metal handle with plastic finger rings with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.</p> <p>7. Three part laparoscopic autoclavable MANHES Grasping Forcep with Hemostat style ratchet, duck-bill jaws, blunt, 360 degree rotational sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, single action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.</p> <p>8. Three part laparoscopic autoclavable CLAW Grasping Forcep with ratchet, 2X3 teeth, 360 degree rotational sheath, size 10 mm, length 36 cm, long, single action jaws, with ergonomic metal handle, can be dismantled with the press of a button.</p> <p>9. Three part laparoscopic autoclavable Curved METZENBAUM Scissors, 360 degree rotational sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.</p> <p>10. Three part laparoscopic autoclavable Hook Scissors, 360 degree rotational sheath, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, long, double action jaws, with ergonomic plastic handle with larger contact area at the finger ring to avoid pressure sores, can be dismantled with the press of a button.</p> <p>11. Scissors Insert and outer tube, METZENBAUM Scissors, curved, length of blades 12 mm, double action jaws, size 5 mm, length 36 cm, package of 10, sterile, disposable.</p> <p>12. Scissors Insert with Outer Sheath, curved, double action jaws, spoon-shaped jaws, length of blades 17 mm, size 5 mm, length 36 cm, sterile, for single use,</p>
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		<p>package of 10</p> <ol style="list-style-type: none"> <li>13. Surgical Sponge Holder, for atraumatic dissection of tissue layers, size 5 mm, length 30 cm, consisting of: Handle, Outer Sheath, insulated Sponge Holder Insert</li> <li>14. Ergonomic Plastic Handles with Larger contact area at the finger rings with connector pin for unipolar coagulation, with or without ratchet, compatible with above asked instruments.</li> <li>15. Dissecting-Electrode with exchangeable electrode L-tip, autoclavable, ergonomic handling, size 5 mm, length 36 cm, with connector pin for unipolar coagulation,</li> <li>16. Exchangeable Electrode Tip, L-Shaped, Autoclavable</li> <li>17. Unipolar HF Cord</li> <li>18. CUSCHIERI Liver Retractor, size 10 mm, length 36cm</li> <li>19. Nathanson Liver Retractor, small surface area, diameter 5 mm</li> <li>20. Nathanson Liver Retractor, Medium surface area, diameter 5 mm</li> <li>21. Articulated Stand, reinforced version , U shaped with One mechanical central clamp for all five joint functions with quick release coupling for instruments and Telescope</li> <li>22. Fascial Closure Instrument for subcutaneous ligature of trocar incisions, size 2.8 mm, length 17 cm, USFDA, CE approved.</li> <li>23. SPOON FORCEPS: Retrieval of foreign body/ stones size 10 mm. without ratchet – 1 no.</li> </ol> <p><b>Trocar &amp; Cannula:</b></p> <p>Cannula size : <b>13.5 mm diameter</b>; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO2 gas. The working length of the cannula should be 115 mm.</p>
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		<p>Cannula size : <b>11 mm diameter</b> with thread and rotating insufflations, should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO<sub>2</sub> insufflation. The working length of the cannula should be 105 mm.</p> <p>Telescope Stopper, size 11 mm</p> <p>Cannula size : <b>6 mm diameter</b> with thread and rotating insufflations, should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO<sub>2</sub> insufflation. The working length of the cannula should be 105 mm.</p> <p>Telescope Stopper, size 6 mm</p> <p>Cannula size : <b>11 mm diameter</b>; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO<sub>2</sub> insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO<sub>2</sub> gas. The working length of the cannula should be 105 mm.</p> <p>Cannula size : <b>6mm diameter</b>; should have multifunctional valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO<sub>2</sub> insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO<sub>2</sub> gas. The working length of the cannula should be 105 mm.</p> <p>Double reducer, 13.5/10 &amp; 13.5/5mm</p> <p>Reducer, 11/5 mm</p> <p><b>Veress Needle</b></p> <p>Veress Pneumoperitoneum needle with spring loaded blunt inner cannula, LUER-Lock, autoclavable, diameter 2.1mm , working length 10-18 cms.</p> <p><b>Injection Needle</b></p>
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Injection needle, LUER-lock, diameter 1.2 mm, size 5 mm, length 36 cm.

### **Suction and Irrigation Tube**

Suction and Irrigation Tube, anti-reflex surface with two-way stopcock, for single hand control, size 5 mm, length 36 cm

### **LAPAROSCOPIC NEEDLE HOLDERS**

Macro needle holder with tungsten carbide insert, dismantling into three parts namely, outer tube, handle and inserts, ergonomic pistol handle, with disengageable ratchet, jaw curved to left, size: 5mm, length : 33cm for use with suture material size: 0/0 to 7/0.

Macro needle holder with tungsten carbide insert, dismantling into three parts namely, outer tube, handle and inserts, ergonomic pistol handle, with disengageable ratchet, jaw curved to right, size: 5mm, length : 33cm for use with suture material size: 0/0 to 7/0.

### **Laparoscopic Bipolar Forceps**

Three part laparoscopic Bipolar Coagulating Grasping Forceps with overload tissue protection, CLERMONT-FERRAND MODEL, Wide jaws, with connector pin for bipolar coagulation, 360 degree rotational sheath, size 5 mm, length 36 cm, long, single action jaws, ergonomic Plastic handle with larger contact area, O can be dismantled with the press of a button.

Three part laparoscopic Bipolar KELLY Dissecting & Grasping Forceps with overload tissue protection, CLERMONT- FERRAND MODEL, Wide jaws, with connector pin for bipolar coagulation, 360 degree rotational sheath, size 5 mm, length 36 cm, long, single action jaws, ergonomic Plastic handle with larger contact area, can be dismantled with the press of a button.

Bipolar HF Connecting Cable

#### **Clip Applicator: 01**

Medium Large clip applicator dismantable rotating size: 10mm, length 36cm, for

Titanium clips with ratchet to lock the jaw holding the clip.

		<p><b>Clip Applicator: 01</b> Large clip applicator dismantable rotating size: 10mm, length 36cm, for Titanium clips with ratchet to lock the jaw holding the clip.</p> <p><b>Titanium Clips: 10</b> Titanium clips medium large &amp; large, box with 16 sterile cartridges, 10 clips each for use with clip applicator.</p> <p><b><u>Note: All the Instruments should be USFDA and CE approved and should be from the same manufacturer.</u></b></p>
2	<p><b><u>Advanced</u></b></p> <p><b><u>Electro</u></b></p> <p><b><u>Surgical</u></b></p> <p><b><u>Unit</u></b></p>	<ol style="list-style-type: none"> <li>1. An integrated microprocessor/micro controller based system with 300W or more output generator and a single touch/Feather touch screen for Monopolar, Bi-Polar and in one generator.</li> <li>2. The System should have user friendly touch screen/Feather touch screen display with backlight adjustment for good visibility in operating room.</li> <li>3. System should have minimum 2 monopolar output, 1 Bipolar output</li> <li>4. The Monopolar output must have pure Cut, Blend, Soft Coag, Fulgurate and Spray mode.</li> <li>5. The Bi-Polar mode must have Auto Bi-Polar control.</li> <li>6. The system should have Bipolar cut mode.</li> <li>7. The system should have twin monopolar socket with independent power setting.</li> <li>8. The system should have minimum 10 programmable memory space and it should be re editable.</li> <li>9. System should have separate Monopolar, bipolar pedal and optional wireless foot pedal.</li> <li>10. The system should have minimum 10 types of current for all surgical procedure.</li> <li>11. It should have continuous monitoring and Display indication for patent pad contact with special mentoring technology like PCS –patient control system.</li> </ol>

		<p>12. It should have special patient pad mode for children/paediatric/baby surgeries which provide utmost safety to the patient by controlling the power delivery.</p> <p>13. It should have night design socket illumination for all the sockets.</p> <p>14. The system should be upgradable and should have RS232, USB, Ethernet port for on field software downloads, upgrades and serviceability.</p> <p>15. It should have Special bipolar coagulation mode for fluid assisted coagulation.</p> <p>16. It should be compatible with smoke evacuation system.</p> <p>17. The unit must have USFDA/European CE certified.</p> <p>18. The system should be capable of storing last 50 errors/Events.</p> <p>19. System should meet IEC60601-1, IEC60601-1-2 &amp; IEC 60601-2-2 requirements.</p> <p>20. The offered equipments must have brand name/model name embossed must be supported by original literature of the original equipment Manufacturer with mandatory regional &amp; head office of the original equipment manufacturer principal company for providing after sales service with a dedicated trained service engineers / service representatives team of O.E.M principal company.</p> <p>21. The system should have given technical specification-</p> <ol style="list-style-type: none"> <li>a) Power requirements 100 – 240 V ± 10%; 50 Hz/60 Hz.</li> <li>b) Nominal frequencies 350 – 500 kHz.</li> <li>c) Power consumption 45watts.</li> <li>d) Weight &lt;12kg.</li> <li>e) Maximum cut power &gt;300w.</li> <li>f) Maximum coag power &gt;200w.</li> <li>g) Ambient temperature +10°C to +40°C.</li> </ol> <ul style="list-style-type: none"> <li>• All quoted equipment, accessories and instruments should be from single manufacturer.</li> </ul>
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