

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

No. HFW/ME (MCN)/2019-

Dated: / /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 14.02.2020 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 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

M/S _____

Receipt No. _____

Date: - _____

FOR

SUPPLY OF

**MACHINERY AND EQUIPMENT
OF**

Dr. Y S PARMAR GOVT MEDICAL COLLEGE NAHAN

DUE ON 14.02.2020

**LAST DATE FOR RECEIPT OF BID
UPTO 3 PM ON 14.02.2020**

**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))**.
- 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 14.02.2020. 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 (Rupees 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 purchase order copies in support of that in last 3 years.
- e. Manufacturers from whom Hospital Equipments will be procured should possess valid ISO Certification valid for last three years 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/0 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-III A 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 (in case 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

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 & CONDITIONS

Tender No. & 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 Embossment of Logo as per Annexure – V		
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.

Annexure-XII

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

ANNEXURE-a(i)

TECHNICAL SPECIFICATIONS FOR

SUPPLY OF EQUIPMENT FOR ANAESTHESIA DEPARTMENT

Sr. No.	Equipment/Item	Specifications
1.	PORTABLE MULTIPARAMETER MONITOR	<p>12 Inch, Color TFT, LCD type, Modular</p> <p>No. of waveforms 14</p> <p>Parameters includes ECG (3-6 Leads, SpO₂, HR, NIBP, Temp, EtcO₂)</p> <p>Battery Operation time 1.5 hrs.</p> <p>Recorder 3 traces</p> <p>Light weight, easy to carry, with handle</p> <p>Infant, Paediatric and adult probe for spO₂ measurement</p> <p>NIBP cuff adult and paediatric measurements</p> <p>CE/USFDA approved</p> <p>Demonstration will be taken by the Committee (nominated in this behalf by the institute) before the award/supply order is issued.</p>
2.	ACLS MANEQUIN SPECIFICATION/ ADVANCED CARDIAC CARE TRAINER SYSTEM	<ol style="list-style-type: none"> 1. High quality airway management training with supra glottis airway device 2. Pulse monitoring, heart sound synchronized with ECG, auscultation of breath sound 3. Allow ACLS instructor to student training in a wide range using live defibrillation up to 360 j and synchronized ECG 4. Non invasive blood pressure 5. Intra venous line insertion 6. Extensive ECG library, pacing and defibrillation capabilities 7. Quality CPR feedback to measure and improve CPR performance 8. Monitor to provide pulse, ECG, SPO₂, BP, RR, EtCO₂ In waveform and value display as in real patient 9. Provision to run both pre programmed and custom scenario for standardized training 10. Be able to give instructors real time performance indicator for

		<p>compression, ventilation and hands off time as well as detail e vents record for subsequent debriefing</p> <p>11.Touch screen tablet/ lap top as monitor to run pre programmed and customs scenarios</p> <p>12. Warranty upto 3-5 years</p> <p>13. Demonstration will be taken by the Committee (nominated in this behalf by the institute) before the award/supply order is issued.</p>
3.	BOYLES BASIC ANEASTHESIA MACHINE	<p>Easy to use, sturdy construction, and reliable in work</p> <p>Anti static castor wheels with brakes</p> <p>Stainless steel tray at top position</p> <p>Compact yokes: 2 no, each for oxygen and nitrous oxide, gas specific, (pin indexed), yokes with SS clamping bars</p> <p>Pressure gauges: 2 for oxygen and 2 for nitrous oxide fitted at convenient angles to show the cylinder and line pressure</p> <p>Change over mechanism for open and close circuit system with easy lever movement mechanism.</p> <p>Push button for emergency oxygen flush</p> <p>Regulator 2</p> <p>Nitrous oxide regulator with cut-off facility.</p> <p>Rotameter accurately calibrated with rotating bobbin flow meter with oxygen flow 100mL/min to 8L/min and Nitrous Oxide 200mL/min to 1200L/min</p> <p>Vaporiser Teach 7 Isoflurance mountable on slectatec (Optional) from reputed company</p> <p>Pressure relieve valve calibrated to blow off when pressure exceed 200 cm of water</p> <p>Oxygen failure alarm audio-visual automatic alarm when oxygen pressure falls</p> <p>Standard accessories as applicable</p>
4.	Cardiac Defibrillator	<p>Compact light weight easy to use, manual & AED with voice prompt biphasic defibrillator</p> <p>Should monitor ECG and display them & print them on thermal paper</p> <p>All display on front panel</p> <p>Capable of doing synchronized cardio version</p>

		<p>Can be operated from main supply as well as battery</p> <p>Capable of delivering shocks from 2 joules-200 joules</p> <p>Should monitor ECG through paddles, pad and monitoring electrodes & defibrillate through pads and paddles</p> <p>Compensate for body impedance for a range of 25-150 ohm</p> <p>Should have charge time of less than 5 secs for maximum energy</p> <p>8" colour display for ECG, SPO2 and NIBP</p> <p>Both adult and paediatric pads should be available</p> <p>Should have event summary facility</p> <p>Battery capable of usage for 4-5 hrs of monitoring</p> <p>Facility for self check/self test before usage</p> <p>Monitor Parameter like SPO2, NIBP, ETCO₂ along with non invasive pacing</p> <p>ACCESSORIES</p> <p>Defibrillator with AED and external pacemaker</p> <p>Adult and built in paediatric pad-1, external paddles-1</p> <p>Patient cable-1</p> <p>ECG rolls-25</p> <p>Adult SPO2 reusable sensor-1</p> <p>NIBP cut & hose-1</p> <p>EtcO₂ tubings-1 box</p> <p>AED multifunctional pads for adults-10 pairs</p> <p>Shall meet IEC-60601-1-z:2001</p> <p>Power supply input tube 120-240-vol. AC 50-60Hz</p> <p>Battery backup 5 hrs</p> <p>Safety certificate from CE/USFA</p> <p>Will be required to demonstrate the functioning of defibrillator</p> <p>Demonstration will be taken by the Committee (nominated in this behalf by the institute) before the award/supply order is issued.</p>
5.	AIRWAY MANAGEMENT TRAINER (AMBU)	<p>1 Should have realistic representation of tissue, skin, larynx, vocal cord, epiglottis etc</p> <p>2 Minimal maintenance and robust design</p>

		<p>3 Forward and backward tilt of head, rotation of head to either side up to 90⁰</p> <p>4 Practice of oral and nasal intubation</p> <p>5 Insertion practice of LMA and combitube</p> <p>6 Correct tube placement check by practical inflation test</p> <p>7 Demonstration of sellik’s maneuver and laryngospasm</p> <p>8 Practice of bag mask ventilation</p> <p>9 Stomach inflation can be simulated and confirmed</p> <p>10 Visual inspection of lung inflation/ expansion</p> <p>11 Auscultation of breath sound</p> <p>12. Provision for demonstration of tracheostomy/cricothroidotomy in same manikin</p> <p>13. Clearing of obstructed airway and suction of liquid foreign matter</p> <p>14. Cleaning kit, lubricating jelly and carry bags</p> <p>15. Demonstration will be taken by the Committee (nominated in this behalf by the institute) before the award/supply order is issued.</p>
6.	Radiofrequency Generator	<ol style="list-style-type: none"> 1. Have touch screen interface. 2. Have 0-50 watt power output. 3. Have thermal and pulsed RF treatment on 1,2,3 or 4 electrocodes 4. Bipolar RF on one or two pair electrocodes 5. Measure and display temperature between 0-100 degrees, have both manual and automatic temperature control. 6. Measures impedance 0-3000 ohms 7. Have continuous RF output and pulsed output functions 8. Have output test plug to tests all output from generator before and during the procedures 9. Have stimulator with pulse duration of 0.1,0.5,1,2,3, milliseconds and pulse rate 2-200 hz 10. Stimulate with 0.01v increments 11. Have timer with 0.05-30.0 minutes duration 12. Capability of epidural electrocode for neuropathic pain 13. Should have capability of data export and printing 14. Should have capability of intradiscal electrocode 15. Should have compatible echogenic RF cannulae 16. Should have electrocodes of various length of 5 cm, 10cm and 15 cm 17. Electrocodes 5 cms-----02 in numbers Electrocodes 10 cms-----03 in numbers Electrocodes 15 cms-----02 in numbers <p>Disposable RF cannula – Echogenic tip---- 01 in numbers</p> <ol style="list-style-type: none"> 18. RF Cannula <p style="margin-left: 40px;">Size 5 cms-----02 boxes 10 cms-----4 boxes 15cms-----2 boxes</p>

		<p>19. Disposable grounding pads-----04 boxes 20. Five years warranty, then CMC for 5 years 21. USFDA/ CE Certified. Demonstration will be taken by the Committee (nominated in this behalf by the institute) before the award/supply order is issued.</p>
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ANNEXURE-a(ii)

TECHNICAL SPECIFICATIONS FOR
SUPPLY OF EQUIPMENT FOR **BIO-CHEMISTRY** DEPARTMENT

Sr. No.	Equipment/Item	Specifications
1	Chemiluminescence(immune-assay analyzer)	1. Fully Automated Random Access Immunoassay Analyzer based on Chemi-luminescence Technology.
		2. Should have minimum 15 reagents cardboard capacity at any point of time so that 15 chemistries can be performed at a time.
		3. Facility of continuous loading of reagents so as to make it a true automated system.
		4. Should have true refrigeration on board (4°C) to give stability of reagents on board.
		5. Should have min. 30 days calibration stability.
		6. Facility for emergency/STAT samples.
		7. Facility to load minimum 30to50 samples at one time with continuous loading facility.
		8. Throughput be more than 80+ tests per hour.
		9. Supported with separate latest multitasking branded computer having level i5 CPU or better, 500 GB HDD, 4 GB RAM, 4 USB ports, 22' TFT Monitor, DVD/CD writer, keyboard, optical mouse, compatible UPS having 1 hour support, RS 232C port, bidirectional with host PC/LIS/HIS. Company to provide recent software for interfacing of immunoassay analyzer with PCs for transferring, storing, managing and generating patient-oriented chartable reports.
		10. Equipped with barcode reader facility for samples and reagents.
		11. Samples to be directly placed in primary tubes/vacutainers, 2ml and 3 ml cups and Pediatric insert.
		12. Should be able to process samples of whole blood, plasma serum and other fluids with auto-dilution facility.
		13. Sample volume should be less than 200 µl.

		14. Mixing of reagent and samples should be preferably with ultrasonication.
		15. Should have clot detection facility.
		16. Instrument must be CE European /USFDA approved.
		17. Should be able to perform following tests:
		a. Free and total thyroid profile.
		b. TPO antibodies.
		c. Ferritin, Insulin, C-peptide, Folate and vit. B12.
		d. B-HCG, Estradiol, FSH, LH, Prolactin, Progesterone, Testosterone, DHEA, ACTH, Growth hormone.
		e. Tumor marker: AFP, CEA, CA-15-3, CA19-9, CA125, Free PSA and Total PSA.
		f. Vitamin D, PTH, anti CCP.
		18. Should work on 220 volts/50 Hz power supply.
		19. One refrigerator 300-350 L for storing the samples and reagents.
		20. 5-years' warranty of equipment, PC and UPS and cost of CMC for 5 yrs after warranty period including all the above and all other accessories (<i>Price bid</i>).
		21. The model quoted must have been installed atleast at 10 premier institutes of northern India. (Installation reports required)
2	Automated Clinical Chemistry Analyzer	1. The system should be fully automated, random access clinical chemistry analyzer.
		2. System throughput should be upto 300 tests per hour without ISE, and upto 500 tests with ISE Optional (Na, K, Cl).
		3. The system should be benchtop analyser.
		4. The system should have sample volume range from 5-100 µl and reaction volume from 200-500 µl.
		5. System should have atleast 90 sample positions and upto 70- refrigerated reagent positions (Temp should not exceed 10°C).
		6. System should have atleast 80 reusable reaction cuvettes.
		7. System should have atleast 5-stage on board memory system.
		8. Water consumption should not exceed than 1.5 lt per hour.
		9. System should have atleast single probe with collision protection, level detection and internal-

		external washing provision.
		10. The system should provide atleast 12 wavelength in the range of 300-800 nm.
		11. The system should run n the analytical principle of spectrophotometer and potentiometer with all methods vis colorimetry, turbidimetry and able to perform end point, rate and fixed point kinetic reactions.
		12. The system should have automated sample dilution and reflex testing provision.
		13. The system should have bi-directional LIS system.
		14. The system should have photometric absorbance range from 0-3 Å.
		15. System should use halogen lamp as a light source for photometer.
		16. The system should have preferential treatment for STAT.
		17. Reaction cuvette temperature control should be uniform 37°C with circulating air incubator for reaction.
		18. System should have internal barcode reader fopr sample identification.
		19. Instrument should have CE.
		20. Power supply requirement 230 V \pm 10 V, 50-60 Hz, 600VA.
		21. The system should have dimensions in the range of height (600-700 mm) x width (850-950 mm) x depth (650-750 mm) with a total body weight not more than 120 kg.