


GOVERNMENT MEDICAL COLLEGE & HOSPITAL

BALANGIR - 767002, ODISHA



**BID DOCUMENT FOR
SUPPLY OF MODELS, CHARTS, SPECIMENS ETC.
ON RATE CONTRACT**

Reference No.: **1125** /18-19/GMCH Date: 24.07.2018

Mob No.+91 9861184752

Email: gmcbalangir@gmail.com

TABLE OF CONTENT

- A. Notice Inviting Bid
- B. Eligibility Criteria
- C. Instructions to Bidders
- D. General Conditions of Contract
- E. Special Conditions of Contract
- F. Schedule of Requirement with Technical Specifications
- G. Annexure-I (Information about the bidder)
- H. Annexure-II (List of items quoted)
- I. Annexure-III (Details of past supply)
- J. Annexure-IV (Declaration Form)
- K. Annexure-V (Price Schedule)
- L. Annexure-VI (Compliance to Technical Specification)
- M. Annexure-VII (Agreement Format)
- N. Annexure-VIII (Bank Guarantee Format for Performance Security)
- O. Annexure-IX (Bank Guarantee Format for EMD)
- P. Annexure-X (Verification Certificate Format)

A. Notice Inviting Bid

1. Bids are invited from eligible Bidders (Manufacturers/ Authorized Dealers) interested to Supply Models, Charts, Specimen, etc. to Government Medical College & Hospital, Balangir-767002, Odisha vide a contract with specific terms and conditions as prescribed.
2. Interested Bidders can download the bid document containing detailed terms & conditions, scope and eligibility criteria from the official website: www.dmetodisha.gov.in, www.gmcbalangir.infocreatives.com & www.balangir.nic.in. The cost of the bid document for **Rs. 2, 240/- (Rupees Two Thousand Two Hundred and Forty) only (non-refundable)**, which is inclusive of GST, shall be submitted along with the technical bid in the form of **Demand Draft/ Pay Order** from any Nationalized/ Scheduled Bank in India **in favor of Dean & Principal, Government Medical College and Hospital, Balangir, payable at Balangir.**
3. The bids (both technical and financial) by eligible Bidders shall reach the Office of the undersigned within due date and time (i.e. **31.08.2018 up to 5-00 P.M.**) in the prescribed format and manner. All bids must be accompanied by an **EMD (Rs.5,000/- per Package)** as specified in Point No.19. **Electronic bidding is not permitted.** Bids received after due date and time shall be rejected. Bids shall be received only through **registered post/ speed post/ courier service.**
4. **Bids are invited under 6 (Six) Packages in this bid document for Department-wise Models, Charts & Specimens, etc. The bidder can submit bid for one or more than one packages. However, the bidder shall have to quote for all the items contained in the package of the concerned department.**
5. The information to bidders for all the Packages are contained in a single bidding document. Bidders shall submit cost of the bid document for **Rs.2,240/- (Rupees Two Thousand Two Hundred Forty)** only even if they submit bids for more than one package.
6. The bidders have to submit information in the Proforma attached as **Annexure I.**
7. Delivery Sites are mentioned in Schedule of Requirement with Specification.

8. Key Information & Important Dates:

Sl. No.	Particulars	Information
1	Start Date for sale or availability of biddocument in the official website	From 30.07.2018 .
2	Cost of bid document (non-refundable)	Rs. 2, 240/- (Rupees Two Thousand Two Hundred & Forty) onlyto be paid along with Technical Bid.
3	Date & Time for Pre-Bid Meeting	14.08.18, 11.00 A.M.
4	Venue of Pre-Bid Meeting	Office chamber of the Dean & Principal, Government Medical College & Hospital, Balangir-767002, Odisha in the College premises.
5	Last date and time for receipt of bids	31.08.2018 up to 5.00 P.M.
6	Date and time of opening of Technical bids	05.09.2018, 10.00 A.M.
7	Venue of Bid Opening Meeting	Office chamber of the Dean & Principal, Government Medical College & Hospital, Balangir-767002, Odisha in the College premises.
8	EMD	Rs.5,000/- per Package
9	Address for submission of bids	Office of the Dean & Principal, Government Medical College & Hospital, Balangir, Odisha, PO – Rajendra College, 767002.
10	Date and time of opening of Financial bids	To be intimated to the technically qualified bidders.

Note: In case the closing date for sale of bid document or/ and date for Pre-Bid Meeting or/ and last date for receipt of bids happens to be a holiday for Government Medical College& Hospital, Balangir for any reason, the activity will be held on the immediate next working day at the same time & place.

Sd/-
Dean & Principal
Government Medical College & Hospital, Balangir

B. Eligibility Criteria

The interested Bidders shall have to comply to the following criteria to participate in the tendering process:

1. The bidder should either be an Importer or Authorized Distributor or Original Manufacturer and must have successfully supplied the items similar to the type specified in this bid document up to at least 100% of the quantity required in any one or all of the last 3 Financial Years i.e. 2015-16 to 2017-18 to Government/ Private Medical Colleges or Central Government Autonomous Institutions. **(Copies of Purchase Orders for the similar items supplied during last 3 Financial Years i.e. 2015-16 to 2017-18 to Government/ Private Medical Colleges or Central Government Autonomous Institutions to be furnished.)**
2. The manufacturer should be in continuous business of manufacturing the items similar to that specified in this bid document during the last three years prior to the last date of bid submission.
3. The items for supply must be of the most recent series models incorporating the latest technology and design.
4. The bidder shall furnish the information on all past supplies and satisfactory performance for 1 above in the Proforma under **Annexure III**.
5. Financial Capability: The Minimum required average annual turnover in last 3 Financial Years i.e. 2014-15 to 2016-17 or 2015-16 to 2017-18 - **Rs.1 Crore. (Copies of Profit and Loss Accounts, Balance Sheets and Auditor's Reports for the last three 3 Financial Years i.e. 2014-15 to 2016-17 or 2015-16 to 2017-18 to be furnished.)**
6. All bids submitted shall also include the following information along with specified formats:
 - (i) Copies of original documents defining the constitution or legal status, place of registration and principal place of business of the company or firm, etc.
 - (ii) Copies of PAN Card, GST Registration Certificate, etc.
 - (iii) Affidavit in **Annexure IV** that the bidder has not been debarred/blacklisted by any Govt./ Semi-Govt./ Public Sector/ Corporate Organization.

C.General Conditions of Contract

1. General:

1.1 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

1.2 Government Medical College & Hospital, Balangir is not responsible for the completeness of the Bidding Documents and their addendum/ corrigendum, if any.

2. Clarification on Bidding Documents:

A prospective Bidder requiring any clarification on the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than the pre-bid meeting, to be held on **14.08.2018 at 11 A.M.** The Purchaser shall forward copies of its response to all those who have acquired the Bidding Documents directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the due procedures.

3. Amendment of Bidding Documents:

3.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.

3.2 Any amendment issued shall be part of the Bidding Documents and shall be communicated in the Website and institution Notice board.

3.3 To give prospective Bidders reasonable time in which to take an amendment into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids.

4. Cost of Bidding:

The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

5. Language of Bid:

5.1 The Bid as well as all correspondences and documents relating to the bid exchanged by the Bidder and the Purchaser, shall be written in English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant

passages into English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Documents Comprising the Bid:

The Bid shall comprise the following:

a. Technical Bid:

- Cost of Bid Document for **Rs.2,240/- (Rupees Two Thousand Two Hundred Forty) only in shape of Demand Draft in favor of Dean & Principal, Government Medical College & Hospital, Balangir, payable at Balangir;**
- EMD;
- Written confirmation authorizing the signatory of the Bid to commit the Bidder;
- Documentary evidence establishing the Bidder's eligibility to bid;
- Documentary evidence that the Goods and Related Services conform to the Bidding Documents;
- Manufacturers' Offer Form/ Manufacturer's Authorization Form;
- Any other document required in the Bid Document other than Financial Bid.

b. Financial Bid: Financial Bid in the Format at **Annexure V**.

7. **Alternative Bids:** Alternative bids shall not be considered.

8. Bid Prices:

8.1 Rate Contract:

8.1.1 This is a Rate contract Bid, the rate of which will be **valid for a period of two years** from the date of finalization of rate contract. However, the approx. quantity requirement is mentioned in the Schedule of Requirement – Section IV, which may increase or decrease. The bidders are expected to quote their best rates for the items. The technical specification, approx. quantity and locations, under the first instance of supply are also mentioned in this bid document. During the rate contract period, only Government Medical College & Hospital, Balangir is authorized to place purchase orders for the supply of item (s) to be procured under this bid during the validity of the rate contract period.

8.1.2 If the Tender Inviting Authority chooses to place repeat order (s) during the rate contract period for supply of the item (s), then the successful bidder is bound to

supply the same as approved at the same rates and under the same terms and conditions of this bid.

8.1.3 The bidders can't withdraw their bid within the minimum bid validity period of 180 days after the last date of submission of bid and also after accepting the Letter of Intent or entering into the rate contract agreement with Government Medical College & Hospital, Balangir for Issue of purchase order.

8.2 Prices shall be quoted as specified in the Financial Bid. The disaggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. This shall not in any way limit the Purchaser's right to contract on any of the terms offered.

8.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise specified in this bid document. A Bid submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected. However, if in accordance with the bid document, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

9. Currencies of Bid: The Bidder shall quote in Indian Rupees only.

10. Documents Establishing the Conformity of the Goods and Related Services:

10.1 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid, the documentary evidence that the Goods conform to the technical specifications and standards specified in Annexure VI.

10.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the technical specifications.

10.3 Standards for workmanship, process, material as well as references to brand names or catalogue numbers specified by the Purchaser in this bid document, if any, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/ or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in this bid document.

11. Documents Establishing the Qualifications of the Bidder:

The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:

- a. that the Bidder meets each of the qualification criterion specified in Eligibility Criteria.
- b. Bids from Joint Ventures are not acceptable

12. Period of Validity of Bids:

12.1 Bids shall remain valid for a period of 180 days after the last date of submission of bid prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.

12.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. The EMD shall also be requested to be extended for a corresponding period. A Bidder may refuse the request without forfeiting its EMD. No Bidder shall be required or permitted to modify its bid.

13. Format and Signing of Bid:

13.1 The bid shall be signed by a person duly authorized to sign on behalf of the Bidder. The authorization shall be indicated by written Power of Attorney accompanying the bid.

13.2 Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

14. Submission, Sealing and Marking of Bids:

14.1 Bidders shall have the option of submitting their bids only through registered post/ speed post/ courier service.

- a. The bid shall be submitted in a sealed envelope with clear inscription as **“BID FOR SUPPLY OF MODELS, CHARTS & SPECIMENS, ETC.”**, on top of it before due date and time.
- b. The bid shall be in two parts i.e. Cover-A and Cover-B. “Cover-A” shall contain the Technical Bid and “Cover-B” shall contain the Financial Bid.
- c. Technical Bid and Financial Bid shall be submitted separately in sealed covers with clear inscription as **“TECHNICAL/ FINANCIAL BID FOR SUPPLY OF MODELS, CHARTS, SPECIMEN, ETC.”** on top of respective covers and both the sealed envelopes shall be sealed in a third envelop with required inscription on it as mentioned in Clause (a) above.

14.2 The inner and outer envelopes shall:

- a. bear the name and address of the Bidder;
- b. be addressed to the Purchaser;
- c. bear the specific identification of this bidding process and
- d. bear a warning not to open before the time and date for bid opening.

14.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

14.4 Telex, Cable or Facsimile bids will be rejected as non-responsive.

15. Deadline for Submission of Bids:

15.1 Bids must be received by the Purchaser at the address and no later than the date and time specified in the bid document i.e. **31.08.2018, 5 P.M.** In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received up to the appointed time on the next working day.

15.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

16. Late Bids:

The Purchaser shall not consider any bid that arrives after the deadline for submission of bids i.e. **31.08.2018, 5 P.M.** Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected and returned unopened to the Bidder.

17. Withdrawal, Substitution, and Modification of Bids:

17.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney). The corresponding substitution or modification of the bid must accompany the respective written notice.

All notices must be:

- a. submitted in accordance with the respective clauses of this bid document and in addition, the respective envelopes shall be clearly marked “Withdrawal,” “Substitution,” or “Modification;” and
- b. received by the Purchaser prior to the deadline prescribed for submission of bids i.e. **5-00 P.M. of 31.08.2018.**

17.2 Bids requested to be withdrawn shall be returned unopened to the Bidders.

17.3 No bid may be withdrawn, substituted or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder in the bid submitted or any extension thereof.

18. Cost of Bid Document:

18.1 The bidder shall submit along with the Technical Bid, the cost of Bid Document for **Rs.2,240/- (Rupees Two Thousand Two Hundred and Forty) only (non-refundable)**, which is inclusive of GST, in the form of Demand Draft/ Pay Order from any Nationalized/ Scheduled Bank in India in favour of Dean & Principal, Government Medical College & Hospital, Balangir, payable at Balangir.

18.2 Any bid not accompanied by cost of Bid Document for Rs.2, 240/- (Rupees Two Thousand Two Hundred and Forty) only shall be rejected by the Purchaser as non-responsive.

19. EMD:

19.1 The bidder shall submit along with the Technical Bid, **EMD for Rs.5,000/- per package in form of Demand Draft/ Pay Order/ Bank Guarantee from any Nationalized/ Scheduled Bank in India in favor of Dean & Principal, Government Medical College & Hospital, Balangir, payable at Balangir.**

In case of Bank Guarantee, it must be submitted in the prescribed format as at **Annexure IX**, which is to be valid for a period of at least 45 days beyond the validity period of the bids.

19.2 Any bid not accompanied by the requisite Cost of Bid Document and EMD shall be rejected by the Purchaser as non-responsive.

19.3 The EMD of the unsuccessful bidders shall be returned once the successful bidder deposits the Performance Security and signs the Contract.

19.4 In case of the successful bidder, the EMD shall be adjusted towards Performance Security. The successful bidder shall deposit the balance amount (after adjustment of EMD) towards Performance Security.

19.5 EMD of a bidder may be forfeited:

- a. If the bidder:
 - i. withdraws its bid during the period of bid validity; or
 - ii. does not accept the correction of errors requested by the Purchaser, or,
- b. if the successful Bidder fails to:
 - i. furnish the Performance Security; or
 - ii. sign the Contract;

20. Technical Bid Opening:

20.1 The Purchaser shall conduct the bid opening in public at the address, date and time specified in this bid document i.e. Government Medical College & Hospital, Balangir, Odisha-767002. In the event of the specified date of bid opening being declared a holiday for the Purchaser, the bids will be opened at the appointed time and location on the next working day.

20.2 First, envelopes marked “Withdrawal” shall be opened and read out and the envelope with the corresponding bid shall not be opened and will be returned to the Bidder. If the withdrawal envelope does not contain a copy of the “power of attorney” confirming the signature as a person duly authorized to sign on behalf of the Bidder, the corresponding bid will not be opened. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “Substitution” shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked “Modification” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.

20.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the presence of Cost of Bid Document, the presence of EMD and any other details as the Purchaser may consider appropriate. No Bid shall be rejected at Bid opening except late bids.

20.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution or modification; and the presence or absence of Cost of Bid Document and EMD. The Bidders’ representatives who are present shall be requested to sign the attendance sheet.

21. Financial Bid Opening:

21.1 The Financial Bids shall be opened of those bidders who will qualify in the technical evaluation.

21.2 Financial Bids shall be opened in the presence of the technically qualified bidders' representatives, who choose to attend in person at the address given below:

Government Medical College & Hospital, Balangir, Odisha-767002.

Date of Opening of Financial Bids shall be intimated to the technically qualified bidders.

22. Confidentiality:

22.1 Information relating to the examination, evaluation, comparison and recommendation of contract award, shall not be disclosed to bidders or any other person not officially concerned with such process until publication of the Contract Award.

22.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison or contract award decisions may result in the rejection of its Bid.

22.3 From the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it shall do so in writing.

23. Clarification of Bids:

To assist in the examination, evaluation and comparison of the bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that changes the substance of the Bidder price of the bid shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the bids.

24. Responsiveness of Bids:

24.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.

24.2 A substantially responsive Bid is one that conforms to all the terms, conditions and specifications of the Bidding Documents without material deviation, reservation or omission. A material deviation, reservation or omission is one that:

- a. affects in any substantial way the scope, quality or performance of the Goods and Related Services specified in the Contract; or
- b. limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- c. if rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.

24.3 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.

25. Nonconformities, Errors and Omissions:

25.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute a material deviation.

25.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify non-material non-conformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

25.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- a. if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser, there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- b. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- c. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

25.4 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and the EMD may be forfeited.

26. Preliminary Examination of Bids:

26.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in the bid document have been provided and to determine the completeness of each document submitted.

26.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected and the EMD may be forfeited -

- a. Cost of bid document in accordance with this bid document.
- b. EMD in accordance with this bid document.

c. Financial Bid.

27.Examination of Terms and Conditions; Technical Evaluation:

27.1 Bids are invited for 6 (Six) Packages in this bid document for Department-wise Models, Charts & Specimens.

27.2 The Purchaser shall examine the bid to confirm that the Bidder has accepted all terms and conditions specified in Special Conditions of Contract without material deviation or reservation. Deviations from or objections or reservations to critical provisions such as those concerning Performance Security, Force Majeure, Limitation of Liability, Governing Law and Taxes & Duties will be deemed to be a material deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

27.3 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with the provisions in the bid document, to confirm that all the requirements specified in the bid document have been met without any material deviation or reservation. If required, the bidder may be requested for demonstration or sample verification of the items during the technical bid evaluation process.

27.4 If, after the examination of the terms and conditions and the technical bid evaluation including technical specification, the Purchaser determines that the Bid is not substantially responsive, it shall reject the Bid.

28.Financial Evaluation; Comparison of Bids:

The Purchaser shall compare the evaluated prices of all substantially technically responsive bids for each Package. Hence, the bidders are requested to quote for all the items of the individual package.

Prices shall be considered for evaluation like below:

The quoted rate should include excise/ customs duty, transportation, insurance, packing & forwarding or any other incidental charges.

29.Purchaser's Right to Accept Any Bid and to Reject Any or All Bids:

The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

30.Award Criteria:

30.1 Contract for an Item/ a Package shall be awarded to the bidder whose bid will be determined to be substantially responsive and who has offered the lowest evaluated bid price for each Package separately.

30.2 A bidder can be awarded contracts for more than one Package if in more than one Package, the bid of the bidder is determined to be substantially responsive and who has offered the lowest evaluated bid price for those Packages.

30.3 The Purchaser shall award multiple contracts to the Bidder that offers the lowest evaluated combination of bids (one contract per Package and meets the eligibility criteria mentioned in this bid document.

The Purchaser shall take into account:

- i. The lowest-evaluated bid for each Package and
- ii. The price reduction per Package and the methodology for its application as offered by the Bidder in its bid.

30.4 In case more than one technically qualified bidders quote the same lowest price in case of a Package, contract shall be awarded to the bidder for that Package with the higher average annual turnover during the last 3 Financial Years i.e. 2014-15 to 2016-17/ 2015-16 to 2017-18 or distributed among them as per Purchaser's discretion.

31.Purchaser's Right to Vary Quantities at Time of Award:

At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in this bid document, provided this does not exceed 15% of quantity mentioned in this bid document (rounded off to next full no.) and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.

32.Notification of Award:

32.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.

32.2 Along with the notification, the Purchaser shall send the successful Bidder the Agreement as at Annexure VII and the Special Conditions of Contract.

32.3 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

33.Performance Security:

33.1 Performance Security shall be 10% of the contract value of the item.

33.2 The successful bidder shall deposit the balance amount (after adjustment of EMD) towards Performance Security in the form of Demand Draft (DD) / Pay Order (PO) / Bank Guarantee as per Format in Annexure VIII from any Nationalized/ Scheduled Bank in India in favor of Dean & Principal, Government Medical College & Hospital, Balangir, payable at Balangir within 10 days of notification of award.

33.3 Performance Bank Guarantee shall be valid up to 60 days after the date of completion of performance obligations. In the event of any correction of defects or replacement of defective material, the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the validity period.

33.4 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD. In that event, the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

33.5 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.

33.6 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than sixty (60) days following the date of Completion of the Supplier's performance obligations under the Contract.

34. Signing of Contract:

Within ten (10) days of receipt of the Agreement, the successful Bidder shall submit the Performance Security and sign, date & return the Contract to the Purchaser.

35. Delivery Period:

The goods are required to be delivered within 60 days following the date of issue of purchase order. No credit will be given to deliveries before the earliest date and bids offering delivery after the final date shall be treated as non-responsive. Within this acceptable period there will not be any adjustment.

D. Special Conditions of Contract

1. Fraud and Corruption:

1.1 If the Purchaser determines that the Supplier and/ or any of its personnel or its agents or its consultants, service providers, suppliers and/ or their employees is engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and cancel the contract, and the provisions of Clause 24 shall apply as if such expulsion had been made under Sub-Clause 24.1.

a. For the purposes of this Sub-Clause:

- i. “corrupt practice” is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party¹;
- ii. “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation²;
- iii. “collusive practice” is an arrangement between two or more parties³ designed to achieve an improper purpose, including to influence improperly the actions of another party;
- iv. “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party⁴;

¹“Another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes Govt. and employees of other organizations taking or reviewing procurement decisions.

²“Party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

³“Parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

⁴“Party” refers to a participant in the procurement process or contract execution.

- v. “obstructive practice” is
 - a. deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - b. acts intended to materially impede the exercise of Government Medical College ,Balangir’s inspection rights.

3.2 Should any employee of the Supplier be determined to have engaged in corrupt, fraudulent, collusive, coercive or obstructive practice during the purchase of the Goods, then that employee shall be removed.

2. Interpretation:

2.1 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

2.2 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

2.3 Non-waiver

- a. No relaxation, forbearance, delay or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- b. Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

2.4 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

3. Notices:

3.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the bid document. The term "in writing" means communication in written form with proof of receipt.

3.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

4. Governing Law:

The Contract shall be governed by and interpreted in accordance with the laws of the Govt. of India, Odisha General Financial Rules and Delegation of Financial Power Rules 1978 of Govt. of Odisha.

5. Settlement of Disputes:

5.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

5.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified below.

The dispute settlement mechanism to be applied shall be as follows:

- a. In case of Dispute or difference arising between the Purchaser and the supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding Arbitrator.
- b. Arbitration proceedings shall be held at Balangir, Odisha, India and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.
- c. The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation, etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.
- d. Except otherwise agreed to by the Parties, Arbitrators should give a decision in writing within 120 days of receipt of notification of dispute

5.3 Notwithstanding any reference to arbitration herein,

- a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- b. the Purchaser shall pay the Supplier any money due the Supplier.

6. Verification by Government Medical College & Hospital, Balangir:

The goods supplied by the Suppliers shall be verified by the Purchaser prior to acceptance as described in Cl. 15 of Special Conditions of Contract.

7. Terms of Payment:

7.1 The Contract Price shall be paid as below –

- a. **On Delivery:** 90% (Ninety Percent) of the contract price shall be paid by Bank transfer/ cheque on receipt of Goods and upon submission of the documents specified below:
 - i. Two copies of the Supplier invoice showing contract number, goods description, quantity, unit price and total amount;
 - ii. Acknowledgement of receipt of goods from the Consignee;
- b. **After Verification:** the remaining 10% (Ten Percent) of the Contract Price shall be paid within thirty (30) days after the date of the Acceptance Certificate issued by the Purchaser's representative in the proforma given in Annexure X.

7.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to the relevant Clauses in Special Conditions of Contract and upon fulfillment of all other obligations stipulated in the Contract.

7.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.

7.4 The payments shall be made in Indian Rupees to the Supplier under this Contract.

8. Taxes and Duties:

The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

9. Copyright:

The copyright of all drawings, documents and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

10. Confidential Information:

10.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any document, data or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract.

10.2 The Purchaser shall not use such documents, data and other information received from the Supplier for any purpose unrelated to the contract. Similarly, the Supplier shall not use such documents, data and other information received from the Purchaser for any purpose other than the performance of the Contract.

10.3 The obligation of a party under Sub-Clauses 10.1 and 10.2 above, however, shall not apply to information that:

- a. the Purchaser or Supplier need to share with Govt. or other institutions participating in the financing of the Contract;
- b. now or hereafter enters the public domain through no fault of that party;
- c. can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
- d. otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

10.4 The above provisions of this Clause 10 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

10.5 The provisions of this Clause 10 shall survive completion or termination, for whatever reason, of the Contract.

11. Sub-contracting:

Subcontracting is not allowed in this bid document.

12. Specifications and Standards:

- a. The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in this bid document.
- b. The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.

- c. Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in this bid document. During Contract execution, any change in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with the Special Conditions of Contract.

13.Packing and Documents:

13.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.

13.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the Special Conditions of Contract, and in any other instructions ordered by the Purchaser.

14.Insurance:

14.1 Unless otherwise specified in the Special Conditions of Contract, the Goods supplied under the Contract shall be fully insured - against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in the manner specified in the Special Conditions of Contract.

14.2 Should any loss or damage occur, the Supplier shall -

- a. initiate and pursue claim till settlement, and
- b. promptly make arrangements for repair and/ or replacement of any damaged item/s to the satisfaction of the Purchaser and ensure supply/ commissioning as per terms of the contract, irrespective of settlement of claim by the underwriters.

15.Verification:

Verification of the supplied items prior to final acceptance are as follows:

- i. The verification of the goods shall be carried out to check whether the goods are in conformity with the technical specifications attached to the purchase order. The complete set of items should be supplied properly by the supplier.
- ii. The work will be conducted by the authorized person (s) of Government Medical College & Hospital, Balangir, who will verify and make

recommendation on the specification of the goods for acceptance by the Dean & Principal, Government Medical College & Hospital, Balangir.

However, Dean & Principal, Government Medical College & Hospital, Balangir, can co-opt any other subject matter specialist to facilitate the verification. There shall not be any additional charge for carrying out the verification.

- iii. In the event of the item failing to pass, a period not exceeding two weeks will be given to rectify the defects, failing which the purchaser reserves the rights to get the item replaced by the supplier at no extra cost to the purchaser.

Acceptance Certificate:

On successful completion of verification, receipt of deliverables, etc. and after the purchaser is satisfied with the item, the acceptance certificate signed by the supplier and the representative of the purchaser will be issued. The date on which such certificate is signed shall be deemed to be the date of successful verification of the item.

16.Liquidated Damage:

Except as provided under Clause “Force Majeure”, if the Supplier fails to deliver any or all of the Goods by the Date (s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 1% (One percent) per week or part thereof up to a maximum of 4% (four percent) on the value of delayed goods or unperformed Services, so the maximum allowed penal period will be 4 (four) weeks. However, the Dean & Principal, Government Medical College & Hospital, Balangir reserves the right to allow an additional penal period of 4 (four) weeks beyond the normal penal period (4 weeks) on the written request of the supplier with the condition that liquidated damage @ 1.5% will be charged for each week or part thereof during the extended penal period. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to Clause “Termination”.

17.Warranty:

17.1 The Supplier warrants that all the Goods are new, unused and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

17.2 Subject to Special Conditions of Contract Sub-Clause 12 (b), the Supplier further warrants that the Goods shall be free from defects arising from any act or

omission of the Supplier or arising from design, materials and workmanship, under normal use in the conditions prevailing in the country of final destination.

17.3 The Purchaser shall give notice to the Supplier stating the nature of any defect together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

17.4 Upon receipt of such notice, the Supplier shall expeditiously repair or replace the defective Goods or parts thereof within 15 days, at no cost to the Purchaser.

17.5 If having been notified, the Supplier fails to remedy the defect within 15 days of notice, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

18. Patent Indemnity:

18.1 The Supplier shall, subject to the Purchaser's compliance with Special Conditions of Contract Sub-Clause 18.2 below, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- a. The supply of the Goods by the Supplier or the use of the Goods in the country where the site is located; and
- b. the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other materials not supplied by the Supplier, pursuant to the Contract.

18.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in Special Conditions of Contract Sub-Clause 18.1 above, the Purchaser shall promptly give the Supplier a notice thereof and the Supplier may at its own expense and in the Purchaser's name conduct such

proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

18.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.

18.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

18.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

19.Limitation of Liability:

Except in cases of criminal negligence or willful misconduct,

- a. the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- b. the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective items, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement.

20.Change in Laws and Regulations:

20.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in India, where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/ or the

Contract Price, then such Delivery Date and/ or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with Contract Price.

20.2 This clause will apply only to variations in GST/ Octroi, etc. payable in India on the final product which is being supplied and not for the individual components / raw materials which go into the product.

21. Force Majeure:

21.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

21.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

21.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

22. Change Orders and Contract Amendments:

22.1 The Purchaser may at any time order the Supplier through notice in accordance Special Conditions of Contract Clause 3, to make changes within the general scope of the Contract in any one or more of the followings:

- a. drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- b. the method of shipment or packing;
- c. the place of delivery; and
- d. the Related Services to be provided by the Supplier.

22.2 If any such change causes an increase or decrease in the cost of or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/ Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

22.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

22.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

23.Extension of Time:

23.1 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to Special Conditions of Contract, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

23.2 Except in case of Force Majeure, as provided under Special Conditions of Contract Clause 21, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to Special Conditions of Contract Clause 16, unless an extension of time is agreed upon, pursuant to Special Conditions of Contract Sub-Clause 23.1 above.

24.Termination:

24.1 Termination for Default:

- a. The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

- i. if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract or within any extension thereof granted by the Purchaser pursuant to Special Conditions of Contract Clause 23;
 - ii. if the Supplier fails to perform any other obligation under the Contract; or
 - iii. if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in Special Conditions of Contract Clause 1, in competing
- b. for or in executing the Contract.
- c. In the event the Purchaser terminates the Contract in whole or in part, pursuant to Special Conditions of Contract Clause 24.1 (a) above, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

24.2 Termination for Insolvency:

- a. The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

24.3 Termination for Convenience:

- a. The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated and the date upon which such termination becomes effective.
- b. The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - i. to have any portion completed and delivered at the Contract terms and prices; and/ or

- ii. to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

25. Assignment:

Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

SCHEDULE OF REQUIREMENT WITH TECHNICAL SPECIFICATION MODELS, CHARTS & SPECIMENS

Common Requirement: All charts should be plastic framed with front glass. Size 24 inch x 36inch.

Package 1: DEPARTMENT OF ANATOMY

Sl. No.	Name of the Item	Qty.	Details
1	Models	1 each	<p>LIST OF EMBRYOLOGY MODELS:</p> <ol style="list-style-type: none"> 1. Graafian follicle, ovulation, corpus leuteum. 2. Schematic representation of events taking place during the first week of human development. 3. Development of the villus. 4. Villus at the end of the third week of the development. 5. Presomite embryo of 16 days. 6. 14 somites embryo (approximately 25 days). 7. 25 somites embryos (28 days). 8. Transverse section through embryo at various stages of development. 9. Human embryo at the beginning of the second month of development. 10. Development of Dizygotic twins, each embryo normally has its own amnion, chorion and placenta. 11. Development of the renal pelvis, calyces and collecting tubules of the metanephros at 6 week, 7 week, new born. 12. Relationship of hindgut and cloaca at the end of 5th week. 13. Development of the urogenital sinus into

			<p>the urinary bladder.</p> <ol style="list-style-type: none"> 14. T.S. Ovary at the 7 week of development showing the 15. degeneration of the primitive sex cords and the formation of the cortical cords. 16. Genital ducts in the female at the end of the second month of development. 17. Formation of the uterus & vagina at various stages of 18. development. 19. Indifferent stages of the external genitalia. 20. Development of external genitalia in the female at the 5 month and in the new born. 21. Descent of the testis; during the 2nd month, middle of the 3rd month, 7th month & shortly after birth. 22. Testis, epididymis, ductus deferens, and the various layers of the abdominal wall which surrounds the testis in the scrotum. 23. Human circulatory before birth. 24. Human circulatory after birth. 25. Development of the pharyngeal clefts and pouches. 26. Development of tongue. 27. The primitive gastrointestinal tract. 28. Representation of the migration of the thymus, parathyroid glands & ultimobranchial body. 29. Successive stages in the development of the trachea and 30. lungs at the 3rd week, 4th weeks, 5th weeks and 6 weeks. 31. Development of liver. 32. Development of stomach. 33. Development of pancreas. 34. Frontal aspects of the face at 5 week embryo, 6 week embryo & 10 week. 35. Development of eye. 36. Development of ear. 37. Development of limb buds at 5, 6, & 8
--	--	--	---

			<p>weeks.</p> <p>38. Formation of the vertebral column at various stages of</p> <p>39. development.</p> <p>40. Septation of ventricle ant and bulbus cordis.</p> <p>41. Formation of the atrioventricular valves and chorda tendineae.</p> <p>42. Development of the umbilical & Vitelline veins at the end of 4th week, 5th week, 6th week & 3rd month.</p> <p>HUMAN MODELS</p> <p>1. Model of Larynx Anterior view, posterior view, side view and sagittal section.</p> <p>2. Model of larynx deep side view.</p> <p>3. Model of pharynx and larynx sagittal section</p> <p>4. Model of human eye in socket vertical section showing musculociliary nerves, crystalline lens, iris, cornea etc. Dissectable in 7 parts.</p> <p>5. Model of eye approximately 5 times life – size, this finely pointed and numbered fiberglass divided into 7 parts: 2 parts outer eye, Retina and vitreous humor, 2-parts choroid, lens and cornea, 18 numbered key. Size 7”x4”x4”.</p> <p>6. Model of ear large size showing external, Middle and Inner ear dissectable in four parts.</p> <p>7. Model of ear sagittal section extra large and detailed mode: all major structures & the temporal bone and a section of the auditory canals are removed.</p> <p>8. Model of six times enlarged made from vinyl rubber (Natural look)</p> <p>9. Nasal cavity and pharynx sagittal section viewed from medial side.</p>
2	Histology Slides	5 sets each	<p>1. Hyaline cartilage</p> <p>2. Elastic cartilage</p> <p>3. Fibrocartilage</p>

			<ol style="list-style-type: none"> 4. T.S. Compact bone 5. L.S. compact bone 6. Cancellous bone 7. Lymph node 8. Spleen 9. Thymus 10. Palatine tonsil 11. Skeletal muscle 12. Smooth muscle 13. Cardiac muscle 14. T. S. nerve 15. Elastic artery 16. Muscular artery 17. Vein 18. Skin (thin) 19. Skin (thick) 20. Tongue 21. Parotid gland 22. Submandibular gland 23. Sublingual gland 24. Esophagus 25. Fundus of stomach 26. Pylorus of stomach 27. Duodenum 28. Jejunum 29. Ileum 30. Large intestine 31. Appendix 32. Liver 33. Gall bladder 34. Pancreas 35. Trachea 36. Lung 37. Kidney 38. Ureter 39. Urinary bladder 40. Urethra 41. Testis 42. Epididymis 43. Vas deferens 44. Prostate gland
--	--	--	--

			<p>45.Seminal vesicle 46.Penis 47.Ovary 48.Uterus 49.Fallopian tube 50.Placenta 51.Mammary gland 52.Supra renal gland 53.Thyroid 54.Parathyroid gland 55.Pituitary gland 56.Retina 57.Cornea 58.Spinal cord 59.Cerebellum 60.Cerebral cortex.</p>
3	Charts: Size: 20" x 26"	1 each	<p>1. The Muscular system 2. The nervous system 3. The autonomic nervous system 4. The vascular system 5. The lymphatic system 6. The respiratory system 7. The female reproductive system 8. The male reproductive system 9. The digestive system 10.The urinary tract 11.The endocrine system 12.The liver 13.The spinal nerves 14.The hair 15.Hip & Knee 16.The prostate 17.The ear 18.Pharynx and larynx 19.Portal system 20.Foetal circulatory system: Clinically important blood vessel and nerve pathways. 21.Varicose veins 22.The female genital organs 23.The female breast 24.The human genotype</p>

4	Charts: Size: 33.5” x 47”	1 each	<ol style="list-style-type: none"> 1. The male pelvic organ 2. The female pelvic organ 3. Menstrual cycle and the ovum implantation 4. The Eye Anatomy 5. The human central nervous system Size: 20” x 26” 6. Head & Neck median section – II 7. Intra ocular structures –I 8. Temporal mandibular joint 9. Development of embryo in 1st week 10. Development of embryo in 2nd week 11. Development of embryo in 3rd week 12. Development of embryo in 4th week 13. Development of embryo in 5th week 14. Development of embryo in 6th week 15. Development of embryo in 7th week 16. Foetus in 9th, 11th, 12th & 18th week of development 17. Foetus in 19th, 23rd week of development and 7 month old foetus 18. Development of body cavities –II 19. Formation of cardiac loop 20. Development of sinus venosus. 21. Formation of the cardiac septa in common atrium 22. Formation of the septum in Atrioventricular canal 23. Formation of septum in ventricles 24. Development of arterial system 25. Circulation before and after birth 26. Stomach development 27. Liver, gall bladder and pancreas development 28. Mid gut and hind gut development 29. Pronephros, mesonephros & metanephros & molecular regulation of the kidney. 30. Development of male genital system 31. Development of Female genital system 32. Development of respiratory system 33. Development of hand 34. Development of neck
---	--	--------	---

			35.Development of ear 36.Development of eye
5	Digital charts on Histology: Size 12” x 18”	1 each	<ol style="list-style-type: none"> 1. Different types of epithelia in selected organs 2. Endochondral ossification, illustrating the progressive stages of bone formation (from cartilage model to bone) and including the histology of a section of formed bone. 3. A section of brain and spinal cord with meninges. 4. Comparison (Transverse section) of a muscular artery, large vein and three types of capillaries. 5. Location and distribution of lymphoid organs and lymphatic channels in the body. 6. Different types of acini (serous acini, mucus acini and serous demilunons,), different duct types and myoepithelial cells of a salivary gland) 7. Structural differences between the wall of small intestine and large intestine, with emphasis on different layers of the wall. 8. A section from the liver and pancreas, with emphasis on liver lobule and the duct system of exocrine pancreas. 9. A sagittal section of kidney showing the cortex and the medulla with blood vessels and excretory ducts, including the pelvis and the ureter and histology comparison of the blood vessels, the different tubules of the nephron, and collecting duct. 10. Loose irregular and dense irregular connective tissue, adipose tissue. 11. Cancellous bones with trabeculae and marrow cavities; sternum (decalcified bone, transverse section) cancellous bone; sternum (decalcified bone, transverse section). 12. Compact bone, dried : An Osteon (Transverse section) 13. Smooth muscle layer of the small intestine

			<p>(transverse and longitudinal sections); smooth muscle wall of small intestine(transverse and longitudinal sections)</p> <p>14.Skeletal muscles of the tongue(transverse and longitudinal sections)</p> <p>15.Cardiac muscle and cardiac muscle (longitudinal section)</p> <p>16.Cerebellar cortex; molecular layer, purkinji's layer and granular layer</p> <p>17.Lymph node (panoramic view)</p> <p>18.Thymus gland (sectional view) and cortex and medulla</p> <p>19.Spleen (panoramic view) , red and white pulp</p> <p>20.Thin skin; epidermis and contents of dermis</p> <p>21.Thick skin; superficial cell layers and melanin pigments</p> <p>22.Tongue : taste buds,</p> <p>23.Eosophageal stomach junction and stomach; fundus and body regions(transverse section)</p> <p>24.Stomach; mucosa of fundus and body(transverse section)</p> <p>25.Appendix (panoramic view, transverse section) and rectum (panoramic view, transverse section)</p> <p>26.Pancreatic islet & pancreatic islet(special preparation) pancreas; endocrine(pancreatic islet and exocrine regions)</p> <p>27.Intra pulmonary bronchus (transverse section) and terminal bronchiole (transverse section).</p> <p>28.Section of a ureter wall (transverse section)</p> <p>29.Urinary bladder: wall (transverse section) ; Urinary bladder mucosa (transverse section)</p> <p>30.Hypophysis(panoramic view, sagittal section)</p> <p>31.Hypophysis : sections of pars distalis, pars</p>
--	--	--	--

			<p>intermedia, pars nervosa</p> <p>32. Thyroid gland: canine (general view)</p> <p>33. Thyroid gland follicles : canine (sectional view)</p> <p>34. Adrenal gland</p> <p>35. Prostate gland and prostatic urethra</p> <p>36. Prostate gland: glandular acini and prostatic concretions</p> <p>37. Ovary (panoramic view)</p> <p>38. Uterus : proliferative (follicular) phase</p> <p>39. Uterus : secretory phase</p> <p>40. Uterus: menstrual phase</p> <p>41. Vagina (longitudinal section)</p> <p>42. Inactive mammary gland, mammary gland during proliferation and early pregnancy.</p>
6	Photographs: Size 16" x 21"	1 each	<ol style="list-style-type: none"> 1. Hippocrates (460- 377 BC) 2. Marcello Malpighi (1628-1694) 3. Theodor Schwann (1810-1882) 4. Karl Landsteiner (1901) 5. J.E. Purkinje (1787-1869) 6. J.D. Watson & F.H.C. Crick 7. Gray Henry 8. Galen 9. Susruta 10. Charak 11. Anton Van Leeuwenhoek (1632-1723) 12. Har Gobind Khorana – field Synthesis 13. Albert Adamkiewicz (1850-1921) 14. Benjamin Alcock 15. Casper Bartholin 16. Vladimir Aleksandrovich Betz 17. Henry Jacob Bigelow 18. Sir William Paget Bowman 19. Pierre Paul Broca 20. Johann Konrad 21. Jules Germain Cloquet 22. Abraham Colles 23. Alfonso Corti 24. William Cowper 25. Charles Robert Darwin 26. Otto Friedrich Karl Deiters

			<p>27. Jean Descemet 28. Guillaume Dupuytren 29. Bartolomeo Eustachio 30. Gabriele Fallapio</p>
7	Wet Museum Specimens	Quantity is indicated in the parentheses	<p>1. Supero-lateral surface of brain [2] 2. Gall bladder with stones [2] 3. Right lung medial surface [1] 4. Left lung medial surface [1] 5. 28 weeks fetus [1] 6. Interior of urinary bladder [1] 7. Medial surface of brain [1] 8. Base of the brain [1] 9. Cerebellum superior surface [1] 10. Cerebellum inferior surface [1] 11. Section of brain showing arbor vitae cerebella & intra-cerebellar nuclei [1] 12. Brain stem anterior view [1] 13. Brain stem posterior view [1] 14. Spinal cord and meninges [1] 15. Meningo cephalocele [1] 16. Placenta [4] 17. 20 weeks fetus [1] 18. Meromelia, ectrodactily and hydrocephalus [1] 19. Section of lateral ventricle [3] 20. Marginal placenta [1] 21. Spleen [2] 22. Coronal section of kidney showing renal sinus with its cortex & medulla [2] 23. Transverse section of brain [1] 24. 23 weeks fetus [1] 25. Fetal surface of placenta [1] 26. Maternal surface of placenta [1] 27. Sagittal section of head and neck [1] 28. Trachea [1] 29. Infratemporal region [1] 30. External ear [1] 31. Dural fold [1] 32. Extensor tendons of the dorsum of wrist [1] 33. Front of the forearm [1]</p>

			<p>34.Cubital fossa [1] 35.Intramuscular spaces of the scapular region [1] 36.Dry gangrene [1] 37.Transverse section of leg [2] 38.Brachial plexus [1] 39.Flexor aspect of wrist & palm [1] 40.Interior of uterus [1] 41.Male external genitalia [1] 42.Popliteal fossa [1] 43.Femoral triangle [1] 44.Dissected right leg [1] 45.Right lung-costal surface [1] 46.Left lung-costal surface [1] 47.Diaphragmatic surface of the heart [1] 48.Sterno-costal surface of the heart [1] 49.Interior of right atrium & ventricle [1] 50.Superior surface of liver [1] 51.Anterior surface of liver [1] 52.Visceral surface of liver [1] 53.Anterior surface of stomach [1] 54.Posterior surface of stomach [1] 55.Interior of stomach [1] 56.A pair of kidneys with great vessels [1] 57.Composite specimen of duodenum and pancreas [1] 58.Composite specimen of duodenum and pancreas and spleen [1] 59.Intestine [1] 60.Small intestine [1] 61.Composite specimen of kidney, ureter & urinary bladder [1] 62.Uterus – external features [3] 63.22 weeks fetus [1] 64.Mid-sagittal section of male pelvis [1] 65.A pair of testes (Right & Left) [2] 66.Muscles of the anterior abdominal wall [1] 67.Dissected right upper limb [1]</p>
--	--	--	--

Package 2: DEPARTMENT OF PATHOLOGY

A. Models:

- **CARDIOVASCULAR DISORDERS:**
 - MYOCARDIAL INFRACTION
 - RHEUMATIC HEART DISEASE
- **RESPIRATORY DISORDES:**
 - LUNG CANCER
 - PNEUMONIA
 - SARCOIDOSIS
 - TUBERCULOSIS
- **GASTROINTESTINAL DISORDERS:**
 - APPENDICITIS
 - COLORECTAL CANCER
 - ESOPHAGEAL CANCER
 - GASTRIC CANCER
 - LIVER CANCER
 - PANCREATIC CANCER
 - ULCERS
- **MUSCULOSKELETAL DISORDERS:**
 - BONE TUMORS
 - OSTEOARTHRITIS
 - OSTEOMYELITIS
- **ENDOCRINE DISORDERS:**
 - THYROID CANCER
- **GENITO-URINARY TRACT DISORDERS:**
 - BENIGN BREAST CONDITIONS
 - BREAST CANCER
 - ECTOPIC PREGNANCY
 - ENDOMETRIAL CANCER
 - ERECTILE DYSFUNCTION
 - FIBROID DISEASE OF UTERUS
 - OVARIAN CANCER
 - OVARIAN CYSTS
 - PROSTATE CANCER
 - SEXUALLY TRANSMITTED INFECTIONS

- TESTICULAR CANCER
- VAGINITIS
- VULVAR CANCER
- ACUTE RENAL FAILURE
- BLADDER CANCER
- RENAL CALCULI
- RENAL CANCER
- **MISCELLANEOUS:**
 - HEARING LOSS
 - CONJUNCTIVITIS
 - GLAUCOMA
 - MENIERE'S DISEASE
 - HYPERTENSION; BRAIN
 - HYPERTENSION; HEART
 - HYPERTENSION; KIDNEY
 - HYPERTENSION; ARTERY
 - HYPERTENSION; EYE
 - DIABETES TYPE II; HEART
 - DIABETES TYPE II; KIDNEY
 - DIABETES TYPE II; EYE
 - DIABETES TYPE II; NEURON
 - DIABETES TYPE II; FOOT
 - DIABETES TYPE II; PANCREAS
 - DIABETES TYPE II; ARTERY
 - DIABETES TYPE II; BRAIN

B. HISTOPATHOLOGY SLIDE SETS [10 SETS -each set contains all slides mentioned]

- **Lung and trachea:** i. Carcinoma of Lung ii. Pneumonia iii. Pulmonary Emphysema iv. Tuberculosis of lungs.
- **Blood , Spleen & Lymph:** i. Chronic Myeloid Leukemia of Spleen ii. Anaemia. Blood Smear+ iii. Leukaemia Blood Smear iv. Tonsillitis Sec of Palatine Tonsil v. Tuberculosis of Lymph Glands
- **Heart AndBlood Vessels:** i. Arteriosclerosis ii. Myocardial infarction
- **Glands:** i. Adenoma of Adrenal Gland ii. Colloid goiter iii. Follicular adenoma of Thyroid Gland iv. Papillary carcinoma of thyroid v.

Fibroadenoma of Breast vi. Duct carcinoma of breast NST, vii. Pleomorphic adenoma of parotid.

- **Liver:** i. Fatty liver, ii. Cirrhosis of liver, iii. Hepatocellular carcinoma, iv. Liver metastases, v. Adenocarcinoma of gall bladder.
- **Kidney:** i. Chronic glomerulonephritis, ii. Clear cell carcinoma of kidney, iii. Papilloma of urinary bladder.
- **Female genital tract:** i. Squamous cell carcinoma of cervix, ii. Endometrioid adenocarcinoma of uterus, iii. Papillary serous cystadenocarcinoma of ovary, iv. Mature cystic teratoma of ovary, v. Leiomyoma of uterus, vi. Proliferative phase endometrium, vii. Early secretory phase endometrium, viii. Late secretory phase endometrium.
- **Male Genital tract:** i. Benign prostatic hyperplasia, ii. Seminoma of testis.
- **Skin:** i. Squamous cell carcinoma of skin, ii. Basal cell carcinoma of skin, iii. Malignant melanoma of skin, v. Squamous cell papilloma of skin.
- **Bone:** i. Chronic osteomyelitis, ii. Osteosarcoma, iii. Giant cell tumor of bone.
- **Gastrointestinal tract:** i. Adenocarcinoma of stomach, ii. Adenocarcinoma of colon, iii. Acute appendicitis, iv. Carcinoid of appendix.
- **Miscellaneous:** i. Neurilemmoma, ii. Tuberculosis of omentum, iii. Tuberculosis of lungs, iv. Hemangioma, v. Sarcoidosis, vi. Meningioma, vii. Glioblastoma multiforme, viii. Retinoblastoma, ix. Granulation tissue, x. Actinomycosis, xi. Rhinosporidiosis, xii. Metastatic carcinoma in lymph node, xiii. Hodgkin's lymphoma, xiv. Liposarcoma

C. Charts:[20"x26" Laminated& Framed on NU-Wood Board.]

- **CARDIOVASCULAR SYSTEM:**
- Congenital Malformations: i. Ventricular Septal Defect: Membranous Type, ii. Patent Ductus Arteriosus, iii. Atrial Septal Defects, iv. Atrioventricular septal Defects, v. Tetralogy of Fallot, vi. Transposition of the Great Vessels, vii. Tricuspid Atresia, viii. Coarctation of the Aorta, ix. Aortic Atresia and x. Aortic Valvular Stenosis.
- Atherosclerosis: i. Atherosclerosis ii. Critical Areas of Atherosclerosis

- Coronary Heart Disease: i. Pathologic Changes in Coronary Artery Disease ii. Acute and Subacute Myocardial Infarcts iii. Healed Myocardial Infarcts iv. Rupture of Myocardial Infarcts
- Hypertensive Cardiovascular Disease: i. Causes of Hypertension ii. The Kidneys in Hypertension: Benign and Malignant iii. The Heart in Hypertension: Concentric Hypertrophy
- Heart Failure: i. Pathophysiology of Heart Failure ii. The Kidneys in Congestive Heart Failure iii. Left-Sided Heart Failure: Eccentric Hypertrophy iv. Right-Sided Heart Failure: Acute Cor Pulmonale v. Right-Sided Heart Failure: Chronic Cor Pulmonale
- Aorta: i. Aortic Atherosclerosis ii. Cystic Medial Necrosis of the Aorta iii. Dissecting Aneurysm of the Aorta
- Valvular heart disease: i. Rheumatic Fever ii. Rheumatic Heart Disease iii. Chronic Rheumatic Heart Disease iv. Rheumatic Heart Disease: Mitral Stenosis v. Mitral valve prolapse.
- Inflammatory & Infectious heart diseases: i. Nonbacterial Thrombotic Endocarditis ii. Infective Endocarditis: Portals of Entry and Predisposing Factors iii. Infective Endocarditis: Early Lesions iv. Infective Endocarditis: Advanced Lesions v. Infective Endocarditis: Right-Sided Involvement vi. Infective Endocarditis: Remote Embolic Effects
- Cardiomyopathies: i. Septic Myocarditis ii. Diphtheritic myocarditis iii. Viral Myocarditis iv. Dilated (Congestive) Cardiomyopathy v. Idiopathic Hypertrophic Subaortic Stenosis: Hypertrophic Cardiomyopathy vi. Cardiac Involvement in Amyloidosis: Restrictive Cardiomyopathy
- Pericardial diseases: i. Diseases of the Pericardium ii. Adhesive Pericarditis
- **RESPIRATORY SYSTEM:**
- Obstructive Lung Diseases: i. Chronic Obstructive Pulmonary Disease ii. Chronic Bronchitis iii. Cystic Fibrosis iv. Emphysema v. Asthma.
- Restrictive Lung Diseases: i. Adult Respiratory Distress Syndrome ii. Extrinsic Allergic Alveolitis iii. Idiopathic Pulmonary Fibrosis iv. Collagen-Vascular Disease: Lung Involvement v. Systemic Vasculitis: Wegener Disease vi. Pneumoconiosis vii. Sarcoidosis.
- Vascular Lung Diseases: Pulmonary embolism.
- Pulmonary Infectious Diseases: i. Bacterial pneumonia ii. Viral Pneumonias iii. Opportunistic Pneumonias iv. Pulmonary Tuberculosis.

- Tumors in the Lungs and the Pleura: i. Lung Cancer ii. Small-Cell Lung Cancer iii. Non-Small-Cell Lung Cancer iv. Lung Cancer: Extrapulmonary Manifestations v. Pancoast Tumor vi. Other Lung Tumors vii. Metastasis to lungs.
- **GASTROINTESTINAL SYSTEM:**
- Diseases of the Esophagus: i. Esophagitis ii. Chronic Reflux Esophagitis and Barrett Esophagus iii. Esophageal Cancer: Squamous Cell Carcinoma iv. Esophageal Cancer: Adenocarcinoma.
- Diseases of the Stomach: i. Gastric Hernia ii. Gastritis iii. Atrophic Gastritis iv. Peptic Ulcers v. Duodenal Ulcers vi. Carcinomas of the Stomach vii. Early Gastric Cancer viii. Spread of gastric cancer.
- Diseases of the Small and Large Intestines: i. Diverticulosis of the Colon ii. Malabsorption Syndrome iii. Food poisoning iv. Shigellosis v. Typhoid Fever vii. Amebiasis viii. Gastrointestinal Tuberculosis ix. Parasitic Disease of the Gastrointestinal Tract x. Mesenteric Vascular Occlusion xi. Acute Appendicitis xii. Acute Peritonitis xiii. Crohn Disease xiv. Ulcerative Colitis.
- Bowel Obstruction.
- Tumors of the Small and Large Intestines: i. Tumors of the Small Intestine ii. Familial Polyposis of the Large Intestine iii. Cancer of the Small Intestine: Adenocarcinomas iv. Cancer of the Small Intestine: Lymphomas v. Cancer of the Small Intestine: Carcinoid Tumors vi. Colon Cancer.
- **LIVER, GALLBLADDER, AND PANCREAS:**
- Inflammatory Diseases of the Liver: i. Acute Viral Hepatitis, ii. Chronic Hepatitis iii. Cirrhosis of the Liver iv. Portal Hypertension v. Bacterial Infections of the Liver vi. Liver Abscesses vii. Granulomatous Hepatitis viii. Weil Disease ix. Echinococcus Cyst x. Schistosomiasis.
- Toxic and Immunologic Disorders of the Liver: i. Alcoholism ii. Toxic Injuries.
- Metabolic Diseases Involving the Liver: i. Hemochromatosis ii. Wilson Disease iii. Amyloidosis of the Liver iv. Storage Diseases.
- Primary Tumors of the Liver: i. Hepatocellular Carcinoma ii. Intrahepatic Cholangiocarcinoma.
- Cholelithiasis and Cholecystitis: i. Cholelithiasis ii. Cholelithiasis: Complications iii. Cholestasis: Extrahepatic and Intrahepatic iv. Cholecystitis.

- Tumors of the Gallbladder and the Bile Ducts: i. Cancer of the Gallbladder ii. Cancer of the Bile Ducts and the Ampullary Region.
- Acute and Chronic Pancreatitis.
- Cystic Fibrosis
- Carcinoma of the pancreas: i. Pancreatic Cancer ii. Tumors of the Pancreas: Metastases
- **KIDNEYS, URETERS, AND URINARY BLADDER:**
- Primary Diseases of the Kidney: i. Acute Renal Failure-I ii. Acute Renal Failure-II iii. Chronic Renal Failure iv. Uremia v. Nephrotic Syndrome: Pathophysiology vi. Nephrotic Syndrome: Pathology vii. Anti-Glomerular Basement Membrane Disease viii. Acute and Chronic Glomerular Injury Produced by Circulating Immune Complexes ix. Acute Glomerulonephritis x. Chronic Glomerulonephritis: Early Stage xi. Chronic Glomerulonephritis: Mesangiocapillary Glomerulonephritis xii. Chronic Glomerulonephritis: Membranous Glomerulonephritis xiii. Focal Segmental Glomerulonephritis xiv. Nephropathy in Anaphylactoid purpura Lupus Nephritis xv. Acute Diffuse Interstitial Nephritis.
- The Kidney and Systemic Diseases: i. Diabetic Nephropathy: Renal Pathology ii. Benign Essential Hypertension iii. Malignant Phase of Essential Hypertension: Renal Pathology iv. Renovascular Hypertension v. Hemolytic-Uremic Syndrome vi. Renal Amyloidosis vii. Progressive Systemic Sclerosis and Rheumatoid Arthritis viii. Polyarteritis Nodosa ix. Toxic Nephropathy x. Renal Vein Thrombosis xi. Lung Purpura With Nephritis xii. Hypokalemic Nephropathy xiii. Calcium Nephropathy xiv. Myeloma.
- Diseases of the Urinary System: i. Obstructive Uropathy ii. Cystitis iii. Pyelonephritis iv. Papillary Necrosis v. Renal Carbuncle and Perirenal Abscess vi. Tuberculosis of the Urinary Tract vii. Urinary Schistosomiasis viii. Urinary Tract Calculi ix. Renal Cystic Diseases: Simple Cysts x. Renal Cystic Diseases: Adult Polycystic Kidney xi. Benign Renal Tumors xii. Malignant Tumors of the Kidney xiii. Tumors of the Pelvis and the Ureter xiv. Tumors of the Bladder xv. Nephroblastoma xvi. Diverticula of the Bladder xvii. Neurogenic Bladder.
- **DISEASES OF THE MALE REPRODUCTIVE SYSTEM:**
- Development of the Genital Tracts: i. Functional Gonadal Relations ii. Hermaphroditism

- Diseases of the Penis and the Urethra: i. Congenital Anomalies: Congenital Valves, ii. Epispadia, and Hypospadias iii. Phimosis, Paraphimosis, and Strangulation iv. Peyronie Diseases, Priapism, and Thrombosis v. Balanitis vi. Urethritis vii. Syphilis viii. Chancroid, Lymphogranuloma Venereum, and Granuloma luguinale ix. Strictures x. Warts, Precancerous Lesions, and Early Cancer xi. Papilloma and Cancer of the Urethra.
- Diseases of the Prostate Gland and the Seminal Tract: i. Prostatitis ii. Nodular Hyperplasia: Benign Prostatic Hypertrophy iii. Carcinoma of the Prostate: Types, Extension, and Metastases.
- Diseases of the Scrotum and the Testis: i. Hydrocele and Spermatocele ii. Varicocele, Hematocele, and Torsion iii. Infection and Gangrene iv. Testicular Failure: Primary or Hypogonadotropic v. Hypogonadism and Prepubertal Failure vi. Testicular Failure: Secondary or Hypogonadotropic Hypogonadism vii. Sexual Precocity viii. Infection and Abscess of the Testis and the Epididymis ix. Testicular Tumors: Seminoma and Embryonal Carcinoma x. Testicular Tumors: Chorioepithelioma, Teratoma, and Teratocarcioma
- **DISEASES OF THE FEMALE REPRODUCTIVE SYSTEM:**
- Diseases of the Vulva: i. Dermatoses ii. Diabetic Vulvitis, iii. Trichomoniasis, Moniliasis, and Gonorrhoea iv. Syphilis and Genital (Venereal) Warts v. Chancroid, Lymphogranuloma Venereum, and Granuloma Inguinale vi. Circulatory Disturbances, Cysts, vii. Benign Tumors viii. Malignant Tumors.
- Diseases of the Vagina: i. Congenital Anomalies: ii. Vaginal Atrophy iii. Cystocele and Rectocele iv. Trichomoniasis, Moniliasis, Nonspecific Vaginitis, and Chemical and Traumatic Vaginitis v. Syphilis, Gonorrhoea, and Tuberculosis vi. Cysts and Primary Benign and Malignant Tumors vii. Malignant Tumors: Metastases and Extension viii. Endometriosis of the Vulva, the Vagina, and the Cervix.
- Diseases of Uterus: i. Congenital Anomalies ii. Displacements and Prolapse iii. Lacerations, Strictures, and Polyps iv. Endometrial Hyperplasia and Polyps and Tuberculous Endometritis v. Cervicitis: Erosions, Moniliasis, vi. Trichomoniasis, and Syphilis vii. Cervicitis: Gonorrhoea and Pyogenic viii. Infections ix. Leiomyoma (Fibroid) x. Myoma: Secondary Changes xi. Sarcoma xii. Cervical Cancer: Cytology xiii. Cervical Cancer: Stages and Types.

- Cancer of the Uterine Corpus: i. Stages and Types ii. Cancer of the Uterine Corpus: Histology and Extension iii. Functional and Pathologic Causes of Uterine Bleeding.
- Diseases of the Fallopian Tubes: i. Acute Salpingitis: Pathways of Infection and Parametritis ii. Acute Salpingitis: Pyosalpinx iii. Pelvic Peritonitis: Abscess iv. Tubo-ovarian Abscess v. Tuberculosis vi. Salpingitis Isthmica Nodosa and Carcinoma
- Diseases of the Ovary: i. Development Abnormalities ii, Physiologic Variations and Nonneoplastic Cysts iii. Endometriosis of the Pelvis iv. Serous Cystadenoma v. Papillary Serous Cystadenoma vii. Mucinous Cystadenoma viii. Teratoma: Dermoid Cyst and Solid Teratoma ix. Feminizing Neoplasms: Granulosa Cell Tumor and Theca Cell Tumor x. Masculinizing Neoplasms: Arrhenoblastoma and Adrenal Rest Tumor xi. Stein-Leventhal Syndrome xii. Dysgerminoma and Brenner Tumor xiii. Stromatogenous Neoplasms: Fibroma, Meigs Syndrome, and Sarcoma xiv. Primary Cystic Carcinoma xv. Primary Solid Carcinoma xvi. Secondary Ovarian Carcinoma
- Pregnancy and Its Diseases: i. Placenta Previa and Abruptio Placentae ii. Couvelaire Uterus, Rupture of the Uterus, and Maternal Pulmonary Embolism iii. Ectopic Pregnancy - Tubal Pregnancy xiv. Abortion xv. Syphilis xvi. Puerperal Infection xvii. Intrauterine Neoplasms xviii. Erythroblastosis Fetalis xix. Acute Toxemia of Pregnancy: Symptomatology of Preeclampsia and Eclampsia xx. Acute Toxemia of Pregnancy: Visceral Lesions in Preeclampsia and Eclampsia xxi. Acute Toxemia of Pregnancy: Placental Lesions in Preeclampsia and Eclampsia and Infarcts.
- Pathology of the Mammary Gland: i. Painful Engorgement and Puerperal Mastitis ii. Fibrocystic Disease: Early Changes iii. Fibrocystic Disease: Cystic Changes iv. Fibrocystic Disease: Adenosis v. Benign Fibroadenoma and Intracystic Papilloma vi. Giant Myxoma and Sarcoma vii. Infiltrating Carcinoma viii. Fulminant Carcinoma ix. Circumscribed Forms of Adenocarcinoma x. Paget Disease of the Nipple.
- **INTEGUMENTARY SYSTEM (SKIN):** i. Acute Dermatitis ii. Urticaria and Acute Eczematous Dermatitis iii. Erythema Multiforme iv. Chronic Dermatitis v. Lichen Planus and Psoriasis vi. Vesicular and Bullous Dermatoses - Dermatitis Herpetiformis and Pemphigus Vulgaris vii. Infectious Diseases - Impetigo, Cellulitis, and Erysipelas viii. Herpes Simplex and Varicella Zoster

ix. Miscellaneous Viral Skin Infections x. Dermal Candidiasis xi. Lyme Disease
xii. Hyperplasia and Benign Tumors xiii. Keratoesxiv. Nevi xv. Malignant
Tumors - Basal Cell Carcinoma, Squamous Cell Carcinoma, Malignant
Lymphomas, & Malignant Melanoma.

- **HEMATOPOIETIC AND LYMPHATIC TISSUES:**

- Red Blood Cell Disorders: i. Acquired Anemias ii. Hereditary Anemias iii. Anemias of Deficient Hemopoiesis iv. Polycythemia Vera v. Malaria vi. White Blood Cell Disorders (Non lymphatic) vii. Hematopoietic Hypoplasia viii. Myelodysplastic Syndrome ix. Osteomyelofibrosis x. Chronic Myelogenous Leukemia xi. Primary Thrombocythemia xii. Acute Myelogenous Leukemia xiii. AML Subtypes M0, M1, and M2 xiv. AML Subtypes M3 xv. AML Subtypes M4 and M5 xvi. AML Subtypes M6 and M7 xvii. Nonneoplastic Lymphatic Disorders xviii. Lymphatic Hyperplasia xix. Autoimmune Diseases xx. Suppurative Inflammation xxi. Granulomatous Inflammation xxii. Viral Infections xxiii. Immune Deficiency Disorders xxiv. Acquired Immune Deficiency Disorders xxv. Graft-Versus-Host Reaction xxvi. Neoplastic Lymphatic Disorders xxvii. Hodgkin Disease xxviii. Non-Hodgkin Lymphomas, Gross xxix. Non-Hodgkin Lymphomas, Microscopic View xxx. Lymphocytic Leukemias xxxi. Multiple Myeloma and Waldenstrom Disease.

- **BONES, JOINTS, AND SOFT TISSUES:**

- Diseases of Calcium Metabolism: i. Osteoporosis ii. Osteoporosis: Clinical Manifestations iii. Rickets and Osteomalacia iv. Renal Osteodystrophy v. Primary Hyperparathyroidism.
- Infectious Diseases: i. Osteomyelitis ii. Chronic Osteomyelitis iii. Infectious Arthritis iv. Tuberculous Arthritis v. Noninfectious Arthritic Diseases vi. Osteoarthritis vii. Osteoarthritis: Clinical Manifestations viii. Rheumatoid Arthritis ix. Rheumatoid Arthritis: Clinical Manifestations x. Paget Disease xi. Paget Disease xii. Paget Disease: Clinical Manifestations.
- Tumors of the Skeletal System: i. Fibrous Dysplasia ii. Aneurysmal Bone Cysts iii. Enchondroma iv. Osteochondroma v. Giant Cell Tumor vi. Osteosarcoma vii. Chondrosarcoma viii. Ewing Sarcoma.
- Soft Tissue Disorders: i. Compartment Syndrome ii. Collagen-Vascular Disease iii. Benign Soft Tissue Tumors iv. Malignant Soft Tissue Tumors.

- **ENDOCRINE SYSTEM:**

- Hypothalamus: i. Endocrine Function-I ii. Endocrine Function-II
- Pituitary Gland: i. Anatomy of Hypophysis ii. Acidophil Adenoma iii. Basophil Adenoma iv. Chromophobe Adenoma v. Hypopituitarism vi. Diabetes Insipidus
- Thyroid Gland: i. Physiology of Thyroid Hormones ii. Hyperthyroidism iii. Congenital Hypothyroidism and Myxedema iv. Goiter v. Thyroiditis vi. Thyroid Adenomas vii. Thyroid Carcinoma.
- Parathyroid Glands: i. Hyperparathyroidism ii. Hypoparathyroidism
- Adrenal Cortex: i. Anatomy and Hyperplasia ii. Adrenogenital Syndrome iii. Hyperaldosteronism iv. Acute Adrenal Cortical Insufficiency v. Chronic Adrenal Cortical Insufficiency vi. Adrenal Medulla vii. Pheochromocytomas
- Endocrine pancreas: i. Hyperinsulinism ii. Insulin-Dependent Diabetes Mellitus iii. Non-Insulin-Dependent Diabetes Mellitus.
- **NERVOUS SYSTEM:**
- Neurologic Disorders of Infancy and Childhood: i. Cranial Hemorrhage ii. Brain Malformations iii. Spinal Dysraphism iv. Hydrocephalus v. Hypotonia vi. Brain Tumors in Children vii. Neurocutaneous Syndromes.
- Pathologic Basis of Common Problems in Neurology: i. Headache/Giant Cell Arteritis and Polymyalgia ii. Rheumatica iii. Causes of Vertigo iv. Causes of Seizures v. Differential Diagnosis of Coma.
- Cerebrovascular Disease: i. Diagnosis of Stroke ii. Atherosclerosis, Thrombosis, and Embolism iii. Stenosis or Occlusion of the Carotid Artery iv. Collateral Circulation With Occlusion of the Internal Carotid Artery v. Occlusion of the Middle and Anterior Cerebral Arteries vi. Lacunar Infarction vii. Ischemia in Vertebrobasilar Territory: Clinical Manifestations related to Site viii. Cardiac Sources of Cerebral Emboli ix. Uncommon Etiologic Mechanisms in Stroke x. Intracerebral Hemorrhage xi. Intracerebral Hemorrhage: Clinical Manifestations related to site xii. Vascular Malformations xiii. Congenital Intracranial Aneurysms xiv. Hypoxic Brain Damage and Brain Death.
- Central Nervous System Trauma: i. Epidural Hematoma ii. Acute and Chronic Subdural Hematoma iii. Spine Injury: Incomplete Spinal Cord Syndromes
- Brain Tumors: i. Gliomas ii. Tumors Metastatic to the Brain iii. Meningiomas iv. Pituitary Tumors v. Craniopharyngiomas vi. Tumors of the Pineal Region vii. Acoustic Neuromas viii. Neurofibromatosis ix. Intraventricular Tumors

- Degenerative Disorders of the Central Nervous System: i. Alzheimer Disease: Pathology ii. Normal-pressure Hydrocephalus iii. Chorea iv. Parkinson Disease and Related Disorders
- Infectious Diseases: i. Bacterial Meningitis ii. Parameningeal Infections iii. Neurosyphilis iv. Tuberculosis of the Brain and Spine v. Poliomyelitis vi. Herpes Zoster vii. Herpes Simplex Encephalitis and Rabies viii. Slow Virus Infections and Spongiform Encephalopathies.
- Demyelinating Disorders of the Central Nervous System: i. Multiple sclerosis: central Nervous system Pathology.
- Disorders of the Spinal Cord, Nerve Root, and Plexus: i. Acute Spinal Cord Syndromes: Pathology, Etiology, and Diagnosis ii. Tumors of the Spinal Cord iii. Syringomyelia iv. Subacute Combined Degeneration v. Cervical Disc Herniation vi. Lumbar Disc Herniation: Clinical Manifestations vii. Disorders of the Motor Neuron, Peripheral Nerve, viii. Neuromuscular Junction, and Skeletal Muscles.
- Diseases of the Motor-sensory Unit: i. Regional Classification ii. Primary Motor Neuron Disease iii. Peripheral Neuropathies: Metabolic, Toxic, and Nutritional iv. Mononeuritis Multiplex with Polyarteritis Nodosa v. Myasthenia Gravis vi. Guillain-Barre Syndrome vii. Duchenne Muscular Dystrophy viii. Polymyositis/Dermatomyositis.

D. Charts (Containing gross photograph and micro-photograph) for museum specimens. Size : 20"x26" Laminated & Framed on NU-Wood Board

- Cardiovascular system.
- Respiratory system.
- Gastrointestinal system.
- Liver and pancreatobiliary system.
- Urinary system.
- Female reproductive system.
- Male reproductive system.
- Lymphoid and hematopoietic system
- Bone and soft tissue.
- Skin.
- Nervous system.

E. Slide cabinet of capacity 500 slides -10.

F. Museum Racks – 20 nos.

- Made up of stainless steel material.
- Dimensions: 180 cm [H] x 120 cm [W] x 90 cm [D], portioned in depth side in to 2 halves with a central opaque barrier.
- 4 shelves in each rack made up of stainless steel plates with facility to adjust the height of the plates.
- All sides are walled by scratch proof transparent acrylic fiber with lock and key facility.

G. Museum Jars – 600 nos.

- Mixture of all sizes.
- Made up of high quality scratch proof transparent acrylic fiber.

Package 3: DEPARTMENT OF FORENSIC MEDICINE

A. Models

- Strangulation Mark
- Types Of Hymen
- Defence Wound
- Cut Throat
- Victim Of Sex Ofence
- Child Abuse
- Firearm Injury
- Burn Injury
- Wounded Man
- Types Of Occupational Mark

B. Charts

- Life Cycle Of House Fly
- In Famous Conduct
- Abrasion, Contusion And Laceration
- Hanging And Srrangulation
- Circle Of Wills
- Skull Fracture
- Rule Of Nine
- Criminal Abortion
- Partial Hanging
- Hipocratic Oath

- Dhatura Plant And Its Parts
- Oliander And Its Parts
- Cannabis And Its Parts
- Aconite And Its Parts
- Croton And Its Parts
- Ricinis And Its Parts
- Wonded Man
- Mandible Of Different Age
- Somniferus And Its Parts
- Animal Hair And Human Hair
- Animal Poisoning
- Height Of Uterine Fundus
- Eruption Of Teeth
- Factor In Tsd

C. Museum Specimen:

- Cobra
- Common Krait
- Banded Krait
- Russel Viper
- Saw scale viper
- Pit viper
- Sea Snake
- Alligator
- Scorpion
- Foetus (From one month to full term)
- Foetus with continental anomaly
- Twin foetus
- Tattoo designs
- Skin showing mechanical injuries (5pieces whole range)
- Organs showing trauma(5pieces whole range)

Package 4: DEPARTMENT OF COMMUNITY MEDICINE

A. Models: (1 no. each required)

- Sanitary Well

- Insanitary well
- Deep & Shallow well
- Deep tube well
- Step well
- Berkefeld Filter
- Slow sand Filter
- Rapid sand filter
- House Drainage System
- Chamber type incinerator
- Activated Sludge Process
- Bore Hole Latrine
- Dug Well Latrine(Pit latrine)
- Trench Latrine
- Septic Tank Latrine
- Biogas Plant
- Smokeless Chullah
- Models of malnourished children
- Arthropods
- B. Charts:**
- Charts on Food & Nutrition
- First Aid Charts
- Charts on Health, Hygiene & Sanitation
- Coloured charts on Yoga सन्तु निरामयाः
- C. Entomology Slides:**
- Harmful Insects Set
- Mosquito Set
- Housefly Set
- Tick,Mite,Cyclops,Parasites

Package 5: DEPARTMENT OF MICROBIOLOGY

A. Models:

- Pox Virus
- Rabies Virus
- Influenza Virus Bacteriophage Adeno Virus

- HIV (Human Immunodeficiency Virus) Structure of Bacteria

B. Museum Specimens

- Ascaris lumbricoides- Adult male
- Ascaris lumbricoides- Adult female
- Enterobius vermicularis- Adult worm
- Trichuris trichiura – Adult male
- Trichuris trichiura – Adult Female
- Taenia saginata – adult worm
- Taenia solium – adult worm
- Hydatid cyst Capsule
- Round worm (Ascaris lumbricoides)
- Hook worm (Ancylostoma duodenum)
- Fasciola hepatica
- Amoebic ulcer of intestine
- Hydatid cyst
- Filarial scrotum
- Kala-azar spleen
- Amebic Liver abscess
- Neuro Cysticercosis
- Amoebic Liver abscess

C. List of Charts

All charts should be plastic framed with front glass. Size 24” x 36”.

- Life cycle of Plasmodium vivax
- Life cycle of Plasmodium falciparum
- Microscopic picture of Different stages of Malaria parasites
- Life Cycle of Brugiamalayi
- Life cycle of Echinococcusgranulosus
- Life cycle of Giardia lamblia
- Life cycle of Leishmaniadonovani
- Life cycle of Loa loa
- Life cycle of Diphyllbothriumlatum
- Life cycle of Mosquito
- Life cycle of Schistostomes
- Life cycle of W. bancrofti

- Life cycle Free living amoeba
- Life cycle of Ascarislumbricoides
- Life cycle of Hook worms
- Life cycle of Trichinellaspiralis
- Life cycle of Trichomonasvaginalis
- Life cycle of Trichuristrichiura
- Life cycle of Trypanosomabruci
- Life cycle of Trypanosomacruzui
- Life cycle of Toxoplasma gondii
- Life cycle of Taeniasolium
- Life cycle of Taeniasaginata
- Life cycle of Entamoebahistolytica
- Life cycle of Strongyloidesstercoralis
- Life cycle of Enterobiusvermicularis
- Life cycle of Fasciolopsisbuski
- Malaria blood picture
- Japanese B Encephalitis virus Life cycle
- Antigenic shift & Antigenic Drift in Influenza Virus Biochemical tests
- Chart showing biochemical reactions for identification of bacteria
- Demonstration of Pigment production of bacteria
- Pneumococcus - characterization
- Staphylococcus- characterization
- Lactose fermenter & nonlactose fermenters on CLED & Mac Conkey agar
- Blood agar-Hemolysis by different Streptococci

D. Portraits of

- Alexander Fleming
- Portrait of Antony Van Leeuwenhoek
- Joseph Lister
- Kohler & Milstein
- Louis Pasteur
- Robert Koch
- Ronald Ross
- Paul Ehrlich

E. Others:

- Polymerase Chain Reaction
- Structure of Bacteria
- Monoclonal Antibody production by Hybridoma technique
- Spirochaetes-Structure

Package 6: DEPARTMENT OF PHARMACOLOGY

Models as per Cabinet wise: (No. of cabinets - 9)

Cabinet - 1
Spansules
Sodium Phosphate enema
I.V. Infusion set with I.V. fluid
Insulin Syringes
I.V. Cannula with Catheter
Ampules
Hypodermic Needles
Syringe (Glass & Plastic)
Capsules
Ear drops
Powder
Vial
Ryles tube
Micro infusion set
Oral suspension
Meter Dose Inhaler (MDI)
Syrup
Ointment
Tablets
Infant feeding tube

Cabinet - 2
Chlorzoxazone
L-Ornithine
Metoclopramide
Ondansetrone
Doxylamine
Mosapride
Pancreatin Syrup

Dicyclomine
Atropine
Hyocine-N-Butylbromide
WHO formula (ORS)
Domperidone
Oxyphenonium bromide
Pantoprazole
ORS-L-Lemon drink
Omeprazole
Lansoprazole
Bisacodyl (Suppository)
Esomeprazole
Rabeprazole
Ranitidine
Megaldrate
Simethicone
Sucralfate
H -pyolri Kit
Oral saline laxative
Lactulose
Milk of Magnesia
Famotidine

Cabinet - 3
Fenofibrate
Minovlar
Gynovlar
Desogestrel
Femilon
Anovlar
Triquilar
Estradiol (Injection)
Insulin Injections
Thyroxine

Ethisterone (Injection)
Valethamate
Progesteron Depot.
Chloropropramide
Oestradiol (Tab, Injection) Depot.
Methanadion
Triamcinolone (Injection, Capsule, Cream)
Levogesterol
Glipizide
Metformin
Glimepiride
Pioglitazone
Testosterone (Injection, Capsule & Cream)

Cabinet - 4

Dapsone
Isoniazid
Levofloxacin
Gatifloxacin
Ciprofloxacin
Sulfonamides (Tablet, Injection, Suspension)
Rifampicin
Pyrazinamide
Ethambutol
Tinidazol
Rifampicin
Ofloxacin
Clofazimine
Thiacetazone
Procaine Pencillin
Ornidazole
Ceftriaxone
Tetracyclines (Injection, Tablet)
Chloramphenicol

Penicillin - G
Amoxicillin
Cloxacillin
Cefuroxime
Doxycycline
Cefdinir
Ampicillin
Cefadroxil
Roxithromycin
Clavulunate-DT
Fortified Procaine Pencillin

Cabinet - 5
Thiabendazole
Albendazole
Morphine Injection
Griseofulvin Tablets
Sodium Fusidate (Ointment)
Clotrimazole (Ointment, Vaginal Tab)
Fluconazole
Codeine Tablets
Diethyl Carbamazine (DEC)
Chloroquine Phosphate (Tablet, Injection, Suspension)
Cetrimide
Pethidine Injection
Piperazine
Gammabenzene Hexachloride
Benzyl Benzoate
Levamisole
Ivermectine
Dextrose 5%
Ibuprofen
Infusion set
DNS

Normal saline
Tramadol Injection
Dextrose 10%
Sulphadoxine -Pyrimethamine (Tablets, Syrup)
Quinine Tablet
Diclofenac Sodium
Valdecoxib
Rofecoxib
Aspirin
Nemesulide (Ointment, Tablet)
Paracetamol
Diclofenac Potassium
Ketorolac
Ringers lactate

Cabinet - 6

Isosorbide dinitrate Tablet
Hydrocortisone
Dopamine Injection
Doxapram Injection
Pentazocine Injection
Digitalis Tablet
Adrenaline Amp.
Nikethamide Injection
CPM Injection
Aspirin
Clopidogrel
Cetirizine
Levocetirizine
Loratidine
CPM (Chloropheneramine maleate)
Phenylephrine HCl
Mometasone Nasal Spray
Ebastine Tablet

Aminophylline
Diphenylhydramine HCl Syrup
Ramipril
Losartan
Nicorandil
Atenolol
Terbutaline
Nifedipine
Fluticasone Inhaler
Lisinopril
Enalapril
Furosemide
Reserpine
Trifluoperazine
Amlodipine
Ambroxol HCL
Salbutamol
Theophylline
CPM
Dextromethorphan
Pipethazate
Ephedrine HCL
Kitotifen

Cabinet - 7
Ethosuccimide
Carbamazepine
Mirtazapine
Citalopram
Dothiepin
Sertraline
Phenytoin
Sodium Valproate
Topiramate

Fluoxetine
Prochlorperazine
Oxycarbamazepine
Ziprasidone Capsule
Amitriptyline
Procyclidine
Haloperidol Solution, Tablet
Risperidone
Aripiprazole
Alprazolam
Nitrazepam
Clonazepam
Chlordiatepoxide
Hydroxyzine
Tizanidine
Quetiapine Tablet

Cabinet - 8
ATS
Thiopentone Sodium
Antisnake Venom
Typhoid & Paratyphoid Vaccines
Cholera Vaccine
Verorab
Ketamine
Rotahaler
Procaine Gelly
Needle Burner
Neubulizer
Spacehaler (Adults, Infants)
MDI
Nasal Spray
Spinhaler
Tetanus Toxide

Xylocaine 2% Injection

Cabinet - 9

Hemocoagulase Solution

Ethamsylate Tablet

Vit-A, D, E

Vit-B Complex (Capusle, Syrup)

Calcium

Tranexaemic Acid (Tablet, Injection)

Lactic Acid Bacillus

Folic Acid

Molybdenum

Chymotrypsin

Trypsin

Gelatine Sponge

Vit-B 12

Polymaltose Iron Old Complex

Carbonyl Iron

Ferrous Fumarate

Ferrous Sulphate

Haemacel-Polymer of Degraded Gelatine

Sl. No.	Details of Chart
1	Life cycle of Malaria Parasite and site of action of anti-malarial drug
2	Protein synthesis & sites of action of AMAs
3	Regulation of gastric secretion
4	Neuroendocrine Control of Gonadotrophin Secretion in Females
5	Natural source of important Antibiotics
6	From application to distribution
7	Application by inhalation
8	Stages of General Anaesthesia
9	19-stages in alcohol dependence
10	Models of drug distribution & elimination

11	Anti anginal drugs
12	Antibiotics inhibiting cell wall and protein synthesis
13	Regulation of Acid Secretion & drug action
14	Anticancer drugs & cell cycle
15	Adverse drug effects : Drug toxicity in pregnancy & lactation
16	The G-protein coupled receptor effector system
17	Dosage form
18	Migraine & its treatment
19	Sites of action of diuretics
20	Vasodilators - Calcium Antagonists
21	Oral administration, release & site of action
22	Disinfectant
23	Antiulcer
24	Response of effector organs to Ach release from parasympathetic n. endings
25	Cardiac glycoside
26	Importance of protein binding for intensity and duration of drug effect
27	Anti-arrhythmic drugs
28	Drug release
29	Response to Parasympathetic/Sympathetic Activation
30	Exponential elimination of drug
31	From Poppy to Morphine
32	Time course of Drug administration निरामयाः
33	Plants containing Anthraquinone Glycosides
34	Sites at which drugs act to modify cell functions
35	Anti-bacterial drugs acting on DNA
36	Reicinolic acid
37	Insulin production
38	Abnormal postures in mouse given Morphine
39	Treatment of Hypotension

ANNEXURE I**INFORMATION ABOUT THE BIDDER**

(To be furnished in Cover "A" - Technical Bid)

Sl. No.	Particulars	Details
1	Name and Address of the Bidder	
2	Constitution and Date of Incorporation/Registration(Self-attested copy of Certificate of Incorporation/Registration to be enclosed)	(NGO/ Partnership Firm/ Company/Others) Date.....
3	Details of Bank Account	Name of Account Holder: Name of Bank with Branch: Account Type: Account No.: IFS Code:
4	Name, Designation, Contact No. and Address of the Contact Person/ Local Representative	
5	Bid submitted for	No. and Name of Package
6	Cost of Bid Document	Details of Demand Draft/ Pay Order: No.: Date: Name of Issuing Bank with Branch: Amount:
7	EMD	Details of Demand Draft/ Pay Order/Bank Guarantee: No.: Date: Name of Issuing Bank with Branch: Amount: Valid up to:

Date:

Place:

Authorized Signatory
(Signature and seal of the Authorized Signatory)

ANNEXURE II**LIST OF ITEMS QUOTED
(To be furnished in Cover "A" - Technical Bid)**

Sl. No.	Name of the item	Make	Model
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

ANNEXURE III

**DETAILS OF PAST SUPPLY
(To be furnished in Cover “A” - Technical Bid)**

Sl. No.	Name and Address of Purchaser	Purchase Order No. with Date	Quantities Ordered
1.			
2.			
3.			
4.			
5.			

Date:

Place:

Authorized Signatory
(Signature and seal of the Authorized Signatory)

Note: The Bidder shall furnish separate sheet for each Package for which the Bidder has submitted bids.

ANNEXURE IV

DECLARATION FORM

(To be furnished in Cover "A" - Technical Bid)
(Affidavit before Executive Magistrate / Notary Public)

I / Wehaving My / our officeat.....do declare that I / We have carefullyread all the terms & conditions of bid of Government Medical College & Hospital, Balangir for "Supply of Models, Charts, Specimen, Chemicals & Reagents, Consumable & Disposables, etc." I will abide with all the terms & conditions set forth in the Bid document along with the subsequent amendment, if any. I/ We do hereby declare I/ We have not been de-recognized/ black listed by any State Govt./ Union Territory/ Govt. of India/ Govt. Organization/ Govt. Health Institutions for supply of Non-standard quality item/ Non-supply. I / We agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and/ or Performance Security Deposit and blacklist me/ us for a period of 3 years if any information furnished by me/ us proved to be false at the time of inspection/ verification and not complying with the bid terms & conditions. I/ We.....do hereby declare that I/ we will Supply Models, Charts, Specimen, Chemicals & Reagents, Consumable & Disposables, etc. as per the terms, conditions & specifications of the bid document and all the supplied items shall be new and not of either refurbished/ old/ used items.

Signature of the bidder

Seal

Date:

Name & Address of the Firm:

ANNEXURE V

PRICE SCHEDULE

(To be furnished in Cover "B" - Financial Bid)

Sl. No.	Name of the item	Nos. of units	Unit Price (Inclusive of customs duty, transportation, insurance, packing & forwarding and other services required to convey the Goods to their final destinations) (Rs.)	Total Price (Rs.)	GST		Total Cost (inclusive of Taxes) (Rs.)
					%age	Amount (Rs.)	
1	2	3	4	5 [=3 x 4]	6	7	8 [=5 + 7]
1							
2							
3							
4							
5							
6							
7							
8							

Total Cost (Col. 8 above): Rs..... (in words.....) only

Date:

Place:

Authorized Signatory
(Signature and seal of the Authorized Signatory)

Note: The Bidder shall furnish separate sheet for each Package for which the Bidder has submitted bids.

ANNEXURE VI

**COMPLIANCE TO TECHNICAL SPECIFICATIONS (To be furnished in
Cover “A” - Technical Bid)**

Each Bidder has to prepare a comparison sheet as below:

Sl. No.	Description	Required Specifications as per the Bid Document	Bidder's Offered Specifications	Remarks/ Deviations, if any
1				
2				
3				
4				
5				

ANNEXURE VII

FORMAT FOR AGREEMENT

(To be furnished in Cover “A” - Technical Bid)

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS CONTRACT AGREEMENT is made the [insert: number] day of [insert: month], [insert: year].

BETWEEN

1. Government Medical College & Hospital, Balangir, Odisha- 767002 (hereinafter called “the Purchaser”), and
2. [insert name of Supplier] having its principal place of business at [insert: address of Supplier] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for Supply Models, Charts, Specimen, Chemicals & Reagents, Consumable & Disposables etc., has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Special Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier and each shall be read and construed as an integral part of the Contract:
 - a. This Contract Agreement
 - b. Special Conditions of Contract
 - c. Technical Requirements (Technical Specifications)
 - d. The Supplier’s Bid and original Price Schedules
 - e. The Purchaser’s Notification of Award
 - f. Performance Security
 - g. [Add here any other document (s)]
3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of [insert the name of the Contract governing law country] on the day, month and year indicated above.

For and on behalf of the Agency

**For and on behalf of the
Government Medical College & Hospital,
Balangir.**

Authorised Signatory
<Name and Address of the
Supplier>

<Authorized Signatory>

Date:

Date:

1. Witness

1. Witness

2. Witness

2. Witness

**BANK GUARANTEE FORM
(for Performance Security)
(To be furnished in Cover “A” - Technical Bid)**

To
**The Dean & Principal,
Government Medical College & Hospital,
Balangir-767002**

WHEREAS.....(Name and address of the Service Provider) (Hereinafter called “ Supplier”) has undertaken, in pursuance of contract No..... dated (hereinafter “the contract”) to Supply of Models, Charts, Specimen, Chemicals & Reagents, Consumable & Disposables etc. AND WHEREAS it has been stipulated by you in the said contract that the Supplier shall furnish you with a bank guarantee by a Nationalized/ Scheduled Bank in India for the sum specified therein as security for compliance with its obligations in accordance with the contract; AND WHEREAS we have agreed to give such a bank guarantee on behalf of the Supplier; NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of..... (Amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand. We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may

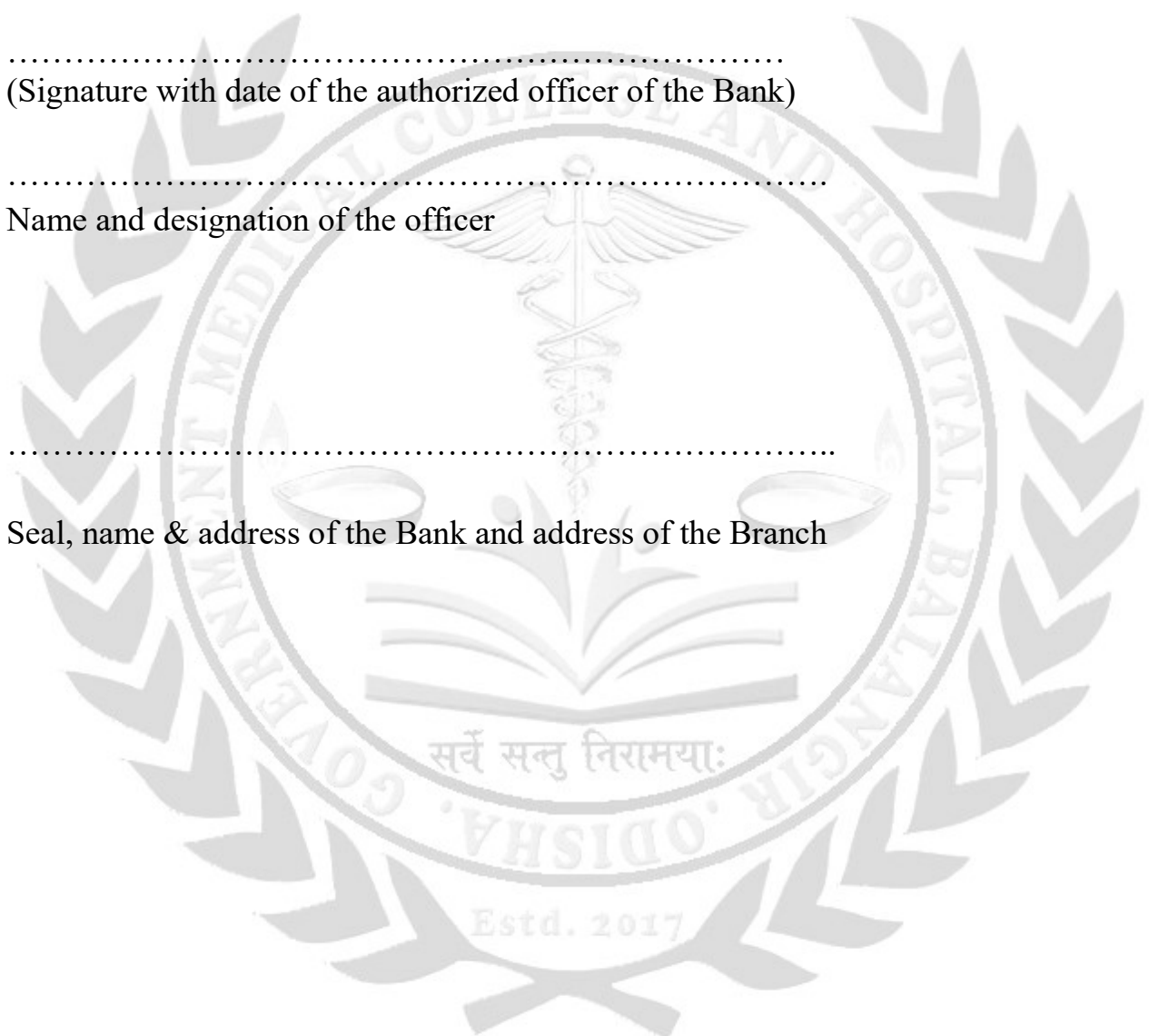
be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid up to 60 days after the date of completion of the contractual obligations i.e. up to (indicate date)

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

.....
Name and designation of the officer

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



ANNEXURE IX

Bank Guarantee Format for furnishing EMD

Whereas..... (hereinafter called the “tenderer”) has submitted their offer dated..... for Supply of Models, Charts & Specimens(hereinafter called the “tender”) against the purchase’s tender.

KNOW ALL MEN by these presents that WE..... of..... having our registered office at are bound unto (hereinafter called the “purchaser”) in the sum of..... for which payment will and truly to be made to the said purchaser, the bank binds itself, its successors and assigns by these presents.

Sealed with the common seal of the said Bank thisday of.....2018.

THE CONDITION OF THIS OBLIGATION ARE:

1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2. If the tenderer having been notified of the acceptance of his tender by the purchaser during the period of its validity:-
 - a. If the tenderer fails to furnish the performance security for the due performance of the contract.
 - b. Fails or refuses to accept/execute the contract.

WE undertake to pay the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both two conditions, specifying the occurred condition or conditions.

This guarantee shall be valid until the day of 20.....
We theBranch.....undertake
notto revoke the guarantee during its currency expect with the previous consent of the
The Dean & Principal, Government Medical College , Balangir-767002 in writing.
We theBranch..... further
agree that a mere demand by the Dean & Principal, Government Medical College ,
Balangir-757001is sufficient for us.....Branch at
..... to pay the amount covered by the Bank Guaranteewithout
reference to the said Agency and protest by said Agency cannot be valid ground for
us.....Branch to decline payment to the Dean & Principal,
Government Medical College & Hospital, Balangir.

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

.....
Name and designation of the officer

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

**CERTIFICATE AFTER SUCCESSFUL VERIFICATION OF THE SUPPLIED
ITEMS**

(To be furnished in Cover "A" - Technical Bid)

Date: _____

Name of Supplier: _____

Sub.: Certificate after successful verification of the supplied Items

1. This is to certify that the items as detailed below have been received in good condition in accordance with the contract/ specifications.

a. P.O. No. _____ dated _____

b. Description of the Item: _____

c. Quantity _____

d. Name of the Consignee _____

e. Date of Supply _____

f. Date of Verification _____

2. The supplier has fulfilled his contractual obligations satisfactorily.

or

The supplier has failed to fulfill his contractual obligations with regard to the followings:

(a)

(b)

(c)

(d)

3. The amount of recovery on account of failure of the supplier to meet his contractual obligations is as indicated in endorsement of the letter.

Signature: _____

Name: _____

Designation with Stamp: _____