

BIDDING DOCUMENT



SHORT TENDER NOTICE No.: 02 / 2014 - 2015 / IGIMS / Store.

NDIRA GANDHI INSTITUTE OF MEDICAL SCIENCES, SHEIKHPURA, PATNA - 14.

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IMPORTANT DATES

Last date for submission of Bidding Document	05.06.2014 up to 4.00 P.M.
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CHAPTER – 1

INSTRUCTION TO BIDDER

INSTRUCTION TO BIDDER

TENDER FORMS & DOCUMENTS

01.	Last Date & time of receipt of Tender is 05/06/2014 till 4.00PM	Sl. No.: Cost of Tender Document: Rs. 1, 000/-
02.	Name & Address of tenderer(s):	
03.	<p>Registration No of the following: -</p> <p>a. BST & CST No/VAT No. (Attached certificate)</p> <p>b. Sale Tax clearance certificate. Up to date</p> <p>c. DGS & D Registration Certificate, if rate quoted on DGS D Rate contract.</p> <p>Note: - Tenderer must be registered with Bihar Sales Tax department.</p>	
04.	Earnest Money:- Rs.10, 000/(Rs. Ten Thousand) in favour of Director, I.G.I.M.S., Patna payable at Patna in way of Demand Draft. No.....dated.....and Amount.....	
05.	Period of validity of quoted price:- One Year W. e. f. 01.04.2014.	
06.	Clearly mention the Guarantee period & after sale services to be provided, if applicable.	
07.	General terms & conditions & tender document are mentioned in Chapter 2.	
08.	This Tender document is Non-transferable .	
09.	Please mention “ Name of Group” at the left top corner of envelope.	
10.	Separate Tender Document is required for each group.	
11.	The quotation for items in the Tender Notice should be in the following format. Otherwise tender shall not be considered and rejected outright.	
12.	<p>Note: Overwriting / Fluiding / Cutting in price will not be allowed.</p> <p>Rates/Prices must be mentioned both in figure and words.</p>	

Name of the Item	Packing size	Offer price per Unit with specification.	CST	Surcharge	BST	VAT	TOT	Net Unit Price	Is it DGS & D rate / Approved r Hospital / General Market rate
1	2	3	4	5	6	7	8	9	10

Signature of tenderer with date

INSTRUCTION TO BIDDER

1.
 - a. The tender duly filled submitted in two sealed covers separately for technical and price bids respectively. Such covers shall be super scribed as “**Tender Notice No.:** (here mention the tender notice no. as specified) **TECHNICAL BID** for supply of (here mention the name of the Group” **or** “**Tender Notice No.:** (here mention the tender no as specified) **PRICE BID** for supply of (here mention the name of the Items)” as the case may be.
 - b. Both the sealed covers shall be put in another sealed (third) bigger cover which should also be super scribed as “**Tender Notice No.:**..... (here mention the tender no as specified) **TENDER** for supply of (here mention the name of the Items)”.
2. The “**Bidding Document**” can be downloaded from institute website www.igims.org only. If Downloaded bidding documents is submitted, the firm have to submit cost of the tender documents Rs.1000/- (one thousand) also in form of Demand Draft favoring Director IGIMS Patna payable at Patna.
3. Last date for submission of bidding document 05/ 06/2014 till 4.00 P.M. by registered post / speed post/ Courier only. Bidders are requested to send the bid well in advance so as to ensure that bid reaches in time. Institute will not be responsible for any postal delay. Bids received after due date and time shall be summarily rejected.
4. Earnest Money Rs. 10,000/- (Rs. Ten Thousand only) is required to be submitted along with tender by Demand Draft only along with the tender favoring Director, I.G.I.M.S. – Patna (payable at Patna). No interest is payable on EMD/ Bid security.
5. Non- submission of sufficient EMD along with the Technical Bid shall be one of the primary reasons for rejection of the offer in the first round.
6. **Part Supply** :- No part supply or wrong supply will be accepted, However in the interest of the patient care, part Supply may be accepted with the approval of the competent authority but payment will be released only after full supply.
7. Following certificates are required with the **Technical Bid**:

Sl. No	Require Certificate	Attached at Page No.:..... of Technical Bid
1	Name and full address of the Bidder with Office telephone Number.	
2	Status of the Bidder whether manufacturer or authorized dealer/ agent/stockiest etc.	
3	Authorization letter of company (if authorized agency) in favour of bidder valid for not less than three prospective years.	
4	VAT Registration No. of bidder, if applicable.	
5	Sales Tax Clearance Certificate	

6	Pan Card of the bidder	
7	Income Tax return of bidder for the last three successive years up to financial year 2013-14.	
8	An affidavit from bidder that the company/firm has not been blacklisted /De- registered/ De- Barred by any govt. Institutions / organization	
9	An affidavit from bidder that the quoted rate in this financial bid is not more than the rate quoted in any other government, organization/Institution by them.	
10	An affidavit that Quoted rate is not higher than MRP.	
11	All documents must be attested by the bidder with signature, date seal.	
12	Technical specification of the items quoted in the light of the specification given in the bidding document (submit a check list).	
13	List of Institutions/Hospitals where supply has been made in the last three years.	
14	Sample of the Items (Must for the clothes of all types, Cotton, Gauge, Disposable Syringe, etc where ever applicable as mentioned in the document)	
15	Total turnover year wise in the preceding last three years. Manufacturers/Supplier having large turnover shall be preferred. (Attach audited Balance sheet & P/L A/C).	

PRICE BID:

- (1) Price of all the items quoted should be mentioned separately for each item. The price should be per unit basis.
- (ii) Standardization certificate for the items used shall have to be submitted, if required.
- (iii) All taxes applicable must be quoted wherever applicable. The exact amount of the tax at the prevailing should be clearly quoted. Simply **writing tax as applicable** shall not be sufficient and accepted & bid will be rejected.

CHAPTER – 2

CONDITIONS OF THE CONTRACT

CONDITIONS OF THE CONTRACT

01. **Destination of Delivery:** Central Store Section, I.G.I.M.S., Sheikhpura , Patna
02. **Acknowledgement and Discrepancies :**
On receipt of the supply orders any discrepancies should be pointed out within 10 days of the issue of the order. In case, no intimation to the contrary is received from the firm within 10 days, it will be assumed that order has been accepted in full even though it may have been placed after the lapse of the validity period of the quotation.
03. **Prices:** As mention in supply orders.
04. **Taxes:** Inclusive / Exclusive .If taxes are extra please specifying the rate of tax applicable on the items.
05. **Payment:-** After receipt of goods and submission of satisfactory Inspection Report issued by officials as authorized by the competent authority.
06. **Price Variation Clause:** The institute shall accept the price rates as mentioned in the quotation only. The claim for price increase over the quoted price shall not be accepted by the institute within the validity period of the quotation. However, where the firm has quoted on price list basis the institute may accept the increased price applicable at the time of actual supply on production of valid and current price list.
07. **Validity of Price:** Up to 31.03.2015. (Extendable as per mutual consent).
08. **Delivery Period: 30** days from the date of issuance of supply order. However, shorter delivery period will be preferred.
09. **Penalty Clause:** If the firm supplies after expiry of 30 days , penalty of 2% of the total ordered value will be imposed/charged. On the ordered value If the firms fail to supply the ordered goods even after above period, the following action shall be taken against them.
 - a. Cancellation of the supply order.
 - b. Forfeiture of EMD.
 - c. Black listing of firm for any future participation.
 - d. Legal action, if necessary. Legal jurisdiction court of Judicature at Patna
10. **Supply:** Normally Stores pertaining to the Supply Order should be dispatched in one lot. Part supply may be allowed upon written request by the supplier and permission granted by the officials authorized by the Institute. However, payment shall be made only after full ordered quantity of the ordered items.
11. **Delivery Extension:** Under special circumstances if valid reason for extension to the satisfaction of the Institute is provided, the Institute may consider giving further extension **of time without penalty.**
12. **Payment:** Payment will normally be made when the full supplies is made against a supply order, except when part supply has been allowed in supply order or when supplier has been asked to supply in installment. Or in any other special circumstance by order of competent authority. In such a situation payment may be released upon part supply after completing established procedures
13. **Replacement of defective / expired supplies:** Shall be the responsibility of the firm on their cost, who has executed the supply.
14. **Expiry date of item supplied:** No supply of items having expiry date less than one year on the date of supply shall be accepted by the Institute. Supplier having expiry date more than one year shall be preferred.

15. **Discrepancy or Omission:**
The payments are made strictly on the basis of the supply order and firms are advised not to deviate from supply orders instruction in all respect. In the event of there being any discrepancy, the matter should first be referred to the institute for necessary amendment in the supply order before making actual supply and submission of the bill.
16. **Challan:**
The suppliers should submit the challan in triplicate alongwith the supplies to the Central Store, IGIMS, Patna-14.
17. The bills should be submitted to the office of the Officer under whose signature supply order has been issued.
18. **Excise Surcharge:**
Following certificate should also be endorsed on each copy of the bill at the time of charging the Excise Duty, if admissible.
- “It is certified that the Excise Duty included in the bill is in accordance with the Excise Duty Rules and that the stores on which the Excise Duty has been charged are not exempted from the Excise Duty under the Rules framed by the Government of India for this purpose and the Excise Duty so charged /collected has been remitted accordingly to provision of the relevant rules.”
19. The Institute is not covered under Form ‘B’ and as such Sales Tax as stipulated may be billed at the rates applicable at the time of supply.
20. **Items available in different packing, size/quantities:**
For the items available in different packing sizes/quantities the gross rate as well as unit price (In terms of relevant net quantity) should be mentioned for each packing size/quantity.
21. **Items with different net and gross weight:**
For items with different net weight and gross weight, e.g., COTTON ROLL- for each packing size, both net as well as gross weight must be mentioned alongwith corresponding rates.
22. **Items with different specification for same item:**
For items with different specifications, if mentioned in tender paper separate rate with details specification must be mentioned.
23. **Stamping / Numbering of Items:**
For items having longer life e.g. furnitures, fans, almirah and certain linen, manufacturer / supplier may be required to put a number s / stamping with paint or any other suitable materials at the discretion of the institute. Tenders should mention the separate rates for this work.
24. **Items with certain specified Half – Life:**
For items with specified half-life e.g. radioisotopes half-life of the items quoted must be mentioned. Unless otherwise, the quantity in such cases accepted for payment will be the quantity received at I.G.I.M.S. store and not at dispatched.
25. **Warranty / Guarantee on the items to be supplied:**
Wherever applicable, supplier is required to mention warrantee/guarantee available on specified items (with duration of warrantee/guarantee applicable). manufacturer/authorized dealer/supplier offering warrantee/guarantee on item supplied will be given due weight age. in case where warranty/guarantee is mentioned on the packing material/item itself /catalogue of the manufacturer , it will be applicable and it will be mandatory for the supplier to extend the same to the institute.
26. **D. G. S. & d. Rate Contract:**
Manufacturers/dealer/supplier having D.G.S. & D. Rate Contract should attach necessary certificate with validity alongwith rate and specification for relevant items.

27. Supplier is required to give under taking to the effect that they have not supplied the Items quoted to any Govt./ Semi Govt. institution / organization at prices lower than the price being quoted. Further, in case of price going down in future, it will pass on the benefit to IGIMS, Patna.

Tenderer must submit a certificate that the quoted price is not higher than the MRP or market price of the same make of the quoted items.

28. The Institute if so desire may ask any tenderer to furnish their turn- over of the quoted items for previous two to three years with a list of users of those items

IMPORTANT

The procedures for rendering of bills are prescribed in clauses 7,8 and 9 above. It is essential that the bills should be in accordance with these clauses: -

1. The bills should be prepared in triplicate.
2. It should be accompanied by the Inspection Note to be obtained from the department concerned of the Institute.
3. The Bills should be pre-receipted and affixed with Revenue stamps, where necessary.
4. In bills B.S.T. / VAT registration number must be mentioned on each copy of the bill.
5. The bills should be supported by a certificate for Excise Duty as stated in the above clause.

29. **Postage and Freight:**

Where payable in terms of supply order and is claimed in the bills, the original receipt granted by the post office and/ or the Railways should be attached with the bill.

30. **Replacement:** Replacement of defective supplies shall be the responsibility of supplier at their on cost.

31. Special Clause may be added if necessary in the Supply Order.

32. If manufacturer shall submit their quotation directly and authorizes any local agent / distributor to supply and raise the invoice for payment on the rates quoted by them, after approval of the rate/quotation by the competent authority of the institute, their authorized agent/ distributors can supply the items and raise the bill for payment. However, responsibility shall be of manufacturer. A proper authorization certificate in favour of local agent / distributors is to be submitted by the manufacturer along with their bid.

Sd/
Director
I.G.I.M.S. - Patna.

CHAPTER – 3

SCHEDULE OF THE REQUIREMENTS AND OTHER DETAILS

SPECIFICATION AND ALLIED TECHNICAL DETAILS

GROUP - "A" (Microbiology)

Microbiology Items

- 1 Refrigerator. : 165 lit, 300 Lit, 650 Lit
- 2 Centrifuge:- 12 Tubes.
- 3 Micro pipette; 10-50 ul
50-100ul
100-1000ul
- 4 Micropipette; 1ml-5ml, 0.1ml, 1.5ml
- 5 Semi Autoanalyser (for quantitative estimation of ASO, CRP.RA)
- 6 Test-tube holder (Rack)
- 7 Incubator (37 degree)
- 7 Vortex mixer
- 8 Micro Pipette (Stand)
- 9 Distilled water (Doubled) / Small R O System
- 10 5% Hypo Chloride
- 11 Sample Tips for DS-2(Two plate Elisa Processor; Dynex Avanta; Part No.65910)
- 12 Reagent tips -for DS- 2 (Two plate Elisa Processor; Dynex Avanta; Part no. 65920)
- 1 Micro tips –yellow
- 14 Micro tips –blue
- 15 Cleaning solution (Antiseptic Cleaning Solution).
- 16 Khan tubes (plastic disposable)
- 17 Plain vacuum container
- 18 Reagent cups (Dynex Avanta)
- 19 Measuring Cylinder Glass-500ml
- 20 Measuring Cylinder – Glass- 1000ml, 50ml

Group: B (Blood Bank Items)

- 1 Blood collection monitor and Mechanical shaker.
- 2 Di-electric tube sealer-
- 3 Elisa reader with washer
- 4 Laminar Air flow (size 3''x2'')
- 5 Double pan balance
- 6 Refrigerator water bath (4 degree C - 7degree C)
- 7 Cell counter (Mech.)
- 8 Ph Meter
- 9 Equipment for volume measurement (Measuring flask) – Blood bag volume measurement)
- 10 Hot Air oven
- 11 Donor couch with monitor
- 12 Hemoglobin meter
- 13 Di-mad gel card
- 14 Emergency Medicine
- 15 Digital Centrifuge,
- 16 VDRL shaker (Electronics)
- 17 View Box. (Standard)
- 18 Micropipette 0.1-1ml
- 19 Micropipette 1-5 ml
- 20
- 21
- 22 Donor Master Record Register
- 23 Donor counseling Register
- 24 Donor Reaction Register
- 25
- 26
- 27 Blood grouping register
- 28 Issue register
- 29
- 30 Volunteers register
- 31 Reverse Group Register
- 32 TTI register-HIV
- 33 TTI register- HCV
- 34 TTI register –HBSag
- 35 TTI register – RPR
- 36 TTI register-MP
- 37 A, B, O & AB Blood Bag Sticker
- 38
- 39
- 40 Consent form
- 41 Demand form
- 42 Discharge register
- 43 Register different size for O.T. & Ward
- 44 Separate door opening in blood storage room
- 45 Printing of different forms: size 1/4 , 1/8 single & Both side printing
- 46 Printing of Book size: ¼ (100x2 and 100x3)
- 47 Donor Deferral Register
- 48 Forward Croceping Register
- 49 Component Supplied Register
- 50 Blood Donor Record Register
- 51 Blood Stock Register
- 52 Compatibility Card

{The Sample of Printing Items (i.e. from Sl. No.: 22 to Sl. No.: 52) may be obtain form office of the Store Officer, I.G.I.M.S. – Patna.}

Group – “C” (General Instrument & Other item)

1.	B. P. Instruments	<p>a. <u>Sphygmomanometer - Mercury Type</u></p> <ol style="list-style-type: none"> 1 Should be Portable mercurial type. 2 Should have ISI mark. 3 Should have ON and OFF provision for mercury reservoir. 4 Should have a measuring range from 0 to 300 mmHg. 5 Should be provided with adult arm cuffs of size medium & large and pediatric cuff. 6 The control valve should have a knurled thumb control device. The leak rate should not exceed 10 mm of mercury per minute. 7 The manometer scale markings and graduations should be permanent and clearly visible and filled with pigments. 8 The internal diameter of the manometer glass tube should be 4.1 ± 0.1 mm and the thickness not less than 2 mm. 9 All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use. 10 The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking. 11 The inflating bulb should be soft and should not have any joints or ridges. 12 The mercury used should be clean, double distilled and of 99.9% purity. 13 The fastening arrangements of the cuff should be of hook and loop type (Velcro). 14 The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions. 15 The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm. 16 The tubes should be fitted with male and female leur connectors. 17 The housing case should be of robust design. It should have press to release lock. It should have metal hinges. The tube should be secured with metal screws and clamps. It should have mechanism to hold the lid in right angles and should prevent accidental dropping. All parts should be replaceable in case of breakage. 18 A cleaning brush to clean the manometer tube and a set of spare washers may be provided with each unit. <p>b. <u>Sphygmomanometer - Aneroid Type</u></p> <ol style="list-style-type: none"> 1 Should be aneroid type, 2 Should have ISI mark. 3 Should have a measuring range from 0 to 300 mmHg, 4 Should be provided with adult arm cuffs of size medium & large and pediatric cuff. 5 The dial mano meter markings and graduations should be permanent and clearly visible and filled with pigments, with diameter of minimum diameter of 160 mm. 6 Body & Bazel – Aluminium die casted (Powder coated), screw type bazel 7 Sensing-corroated phosphorous bronze twin capsule bellows. 8 Movement mechanism – Brass 9 Connection: brass, nickel plated for 3-4 mm rubber hose. 10 Dial – Aluminium 11 Pointer – White coated, thin & sharp made of phosphorous Bronze 12 Window lenses – Clear plastic. 13 All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use. 14 The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking. 15 The inflating bulb should be soft and should not have any joints or ridges. 16 The fastening arrangements of the cuff should be of hook and loop type (Velcro) 17 The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions.
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		<p>18 The rubber tubes used should have an internal diameter of 3 ± 0.5mm and the external diameter should not be less than 8mm.</p> <p>19 The tubes should be fitted with male and female leuc connectors.</p> <p>20 Should provide a carry bag to keep the whole system safe and sound. All parts should be replaceable in case of breakage.</p> <p>c. <u>Sphygmomanometer – Stand Model</u></p> <p>1 Should be portable mercurial type, stand model.</p> <p>2 Should have ISI mark.</p> <p>3 Should have ON and OFF provision for mercury reservoir.</p> <p>4 Should have a measuring range from 0 to 300 mmHg.</p> <p>5 Should be provided with adult arm cuffs of size medium & large and pediatric cuff,</p> <p>6 The control valve should have a knurled thumb control device. The leak rate should not exceed 10 mm of mercury per minute.</p> <p>7 The manometer scale markings and graduations should be engraved or etched and filled with pigments and it should meet the requirements of boil test.</p> <p>8 The internal diameter of the manometer glass tube should be 4.1 ± 0.1 mm and the thickness not less than 2 mm.</p> <p>9 Plastic parts, if any used should not crack, flake, peel or disintegrate in normal use.</p> <p>10 The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking.</p> <p>11 The inflating bulb should be soft and should not have any joints or ridges.</p> <p>12 The mercury used should be clean, double distilled and of 99.9% purity.</p> <p>13 The fastening arrangements of the cuff should be of hook and loop type (Velcro)</p> <p>14 The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum conditions.</p> <p>15 The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm.</p> <p>16 The housing case should be of robust design. It should have press to release lock. It should have metal hinges. The tube should be secured with metal screws and clamps. It should have mechanism to hold the lid in right angles and should prevent accidental dropping. All parts should be replacable in case of breakage.</p> <p>17 A cleaning brush to clean the manometer tube and a set of spare washers may be provided with each unit.</p> <p>18 Should be mounted on good quality wheels.</p> <p>19 The stand body shall be made of mild steel and powder coated.</p>
2.	Stethoscope	<p>a. Dual Stethoscope Deluxe (Adult) :</p> <ul style="list-style-type: none"> · Dual sided brass chest-piece. · Diaphragm for best auscultation. · Provided with Non-Chill retaining ring and bell ring. · Chrome plated internal spring binaural. <p>b. Stethoscope (Pediatric S.S.) :</p> <ul style="list-style-type: none"> • Dual sided brass chest-piece. • Diaphragm for best auscultation. • Provided with Non-Chill retaining ring and bell ring. • Chrome plated internal spring binaural.
3.	Electric Suction Machine	<p>Specifications of Electric Suction Machine</p> <p>1. Should be convenient for all kind of surgeries and operations accustomed in a moveable trolley body with foot switch control.</p> <p>2. It should be a noiseless suction machine with fast vacuum build up.</p> <p>3. Body should be of Stainless Steel.</p> <p>4. It should have variable vacuum of negative pressure ranging from 0-760 mmHg negative pressure which is suitable for both adult and pediatric cases.</p>

		<ol style="list-style-type: none"> 5. It must have a maintenance free piston /cylinder vacuum pump with 25-40 lit/minute capacity 6. It can easily be operated from hand and foot control. 7. Each unit should be supplied/provided with the accessories as:- <ol style="list-style-type: none"> (a) 2.5 to 4 Liters graduated polycarbonate containers-2 No. (b) Lid with overflow sensor and mechanical protection device. (c) Holder for appropriate size suction container. (d) Non collapsible tubings and adapters. 8. It should be fitted with a suitable handle for harnessing in transport mode. 9. Auto transferability from one container to another. 10. Should have bacterial filter at the top. 11. Heavy duty auto static castors 12. Power requirements 220V-50Hz. 13. Should be CE/BIS certified.
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4.	Ultrasonic Nebulizer	<p>Specifications</p> <ol style="list-style-type: none"> 1. It should be made of highly heat resistant polysulfone resin which can be disinfected by autoclaving 2. Should have pneumoclean air filter to provide purified air for aerosol mobilization 3. should have an easily attachable and detachable fan cover and air filter to allowing cleaning of every corner of the passage and the medication cup easily attachable and detachable easy to clean. The diaphragm to be replaced for each patient to help prevent cross infection. <p>The unit should be capable of removing more than 96% of 0.3 micron or larger airborne dust particle with the help of pneumoclean to provide purified air for aerosol nebulization.</p> <ol style="list-style-type: none"> 4. Patient tube should be 1-1.5 meter in length. 5. Should provide extra accessories. 6. Disposable cap for drugs – 25, lids – 6 and patient circuit 6/tube-2 <p>SPECIFICATION Soniclizer:</p> <p>Nebulizing rate : 4ml/min</p> <p>Mist particle size :Approx 1-5 microns</p> <p>Nebulizing time setting :The timer may be set for any desired point between zero and 30 minutes .For Nebulization period longer than 30 minutes, the timer can be set for “continuous” operation.</p> <p>Medication cup capacity: 150 ml</p> <p>Accessories: Mist feed hose(L),and(S).....1 each Inhalation mask.....2 Mouthpiece.....2 Diaphragm.....5 Pneumoclean(air filter).....1</p> <p>Stand for Nebulizer:</p> <p>Accessories: Solution bottle (2l capacity for approx. 8 hours continuous operation).....1 Solution bottle support.....1 Water level controller.....1 Flexible arm.....1</p> <p>Warranty: Comprehensive 3 years with CMC for 4 to 10 years after comprehensive warranty.</p>
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5.	Compressed Air Nebulizer	Nebulizer Compressed air nebulizer <ul style="list-style-type: none"> • Atomiser (Diaphragm-type / Pistontype) electric aspirator • Motion Tolerant and for continuous use in Pre Hospital • Operating voltage: 230 V AC with Battery backup (with minimum 90 minutes backup) • Maximum pressure 3.5 bar • Air power: 14 litres per minute • Aerosol output: 106 µl per minute • Residual volume: 1.24 ml • Droplet size: MMAD 3.3 microns • Filling volume: maximum 7 ml • Noise level: 55 dBA • In built thermal cut off systems desirable
6.	Oxygen Flow Meter with attachment	
7.	A-Type Medical Oxygen Cylinder	
8.	B-Type Medical Oxygen Cylinder	
9.	Bulk Type Medical Oxygen Cylinder	
10.	A-Type Medical Nitrous Cylinder	
11.	B-Type Medical Nitrous Cylinder	
12.	Bulk Type Medical Nitrous Cylinder	
13.	MOX Regulator	
14.	Boyle's Apparatus With Absorber and Ventilator	Specifications of Boyle's Apparatus with circle absorber: <ol style="list-style-type: none"> 1. Should be made of corrosion free materials and have stainless steel work surface. 2. Should have precisely calibrated double tube cascade flow meters for oxygen, N₂O and air. 3. Should have inbuilt facility to test the system leak without connecting to patient. 4. Should have gas specific (pin indexed, high pressure gas blocks with non interchangeable gas supply inlet. Should have internal gas outlets diameter indexed and thread indexed for interchangeability.

		<ol style="list-style-type: none"> 5. Should have primary step down regulator fitted with metal diaphragm and have no perishable rubber parts. 6. Should have separate gauges for pipeline and cylinder supply for each individual gas. Should provide oxygen basal flow (minimal 200ml). 7. Should have hypoxia guard and ensure minimum of 25% oxygen concentrating at any time. 8. Should have automatic N2O shut off on oxygen failure. 9. Should have oxygen failure warning device. 10. Should have pressure relief valve, with auto reset feature, non return valves & oxygen flush. 11. Should have two Selecta Tec type accurate vaporizers with inter locking facility and agent specific key filling. Should be flow, pressure & temperature compensated. 12. should be supplied with Halothane and Isoflurane vaporizers. 13. Should have single system control switch for convenience. <p><u>Circle Absorber:</u></p> <ol style="list-style-type: none"> 1. should have double chamber 2. should include APL valve. 3. Should have breathing bag, patient circuit and other related accessories. 2 sets should be provided. <p><u>Anesthesia Ventilator:</u></p> <ol style="list-style-type: none"> 1. Should be electronic, microprocessor controlled anesthesia ventilator 2. Should be easy to operate and sterilisable. 3. Should have ability to safely deliver low flows to save on inhalation anesthetics and related cost. 4. Should have integrated tidal volume, flow and compliance compensation system. 5. Should accommodate wide range of patients, from children to adults with precise control over the parameters through control knobs. 6. Should preferably have battery backup for backup ventilation. 7. Should have audiovisual failure alarms.
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GROUP – “D” Linen Items


1. Light Green Terricot----- (67% cotton ,33% tericot.36”)
2. Nevy Blue Terricot ----- (67% cotton ,33% tericot.36”)
3. Light Blue Terricot ----- (67% cotton ,33% tericot.36”)
4. Dark Green Terricot ----- (67% cotton , 33% tericot36”, 48”, 54”)
5. Beds sheet clothes cotton (Single)-White & light green 60”x90” with rate to be quoted per meter.
6. Pillow
7. Pillow Cover
8. Towel (Quote for various sizes)



{Note: Bidder(s) are required to attach sample pieces of the quoted items with quotation. Without sample pcs, tender/quotation will be outright rejected}.




GROUP – “E”



OFFICE FURNITURE & HOSPITAL FURNITURE

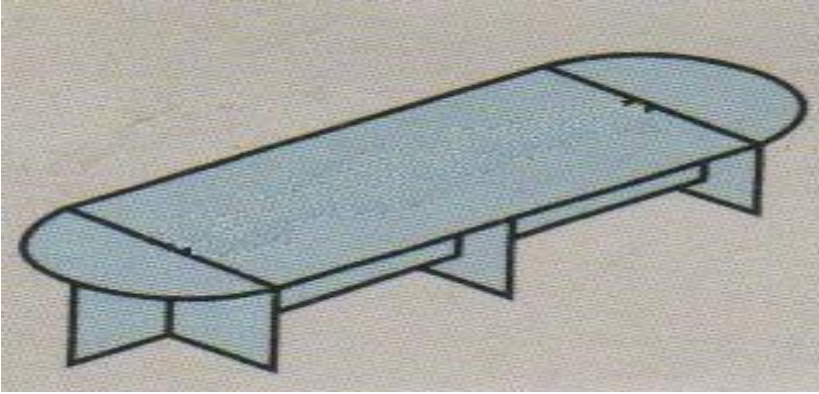
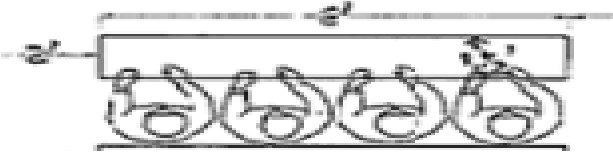

1	ICU BEDS ELECTRICALLY OPERABLE	RUST PROOF ELECTRICALLY OPERABLE TUCK AWAY OR SLIDING SIDERAILS , FOUR SECTION MATTRESS BASE, WATER PROOF, 12CM THICK MATTRESS, SUITABLE TABLE AT FOOT END WHICH CAN COME OVER THE BED AND A CABINET AT HEAD END FOR KEEPING PATIENTS CHARTS AND MEDICINES, APPROPRIATE STOOL FOR PATIENTS ATTENDANT, DETACHABLE BED END, FACILITY FOR TRENDLENBERG AND ANTI TRENDLENBERG POSITION.
2.	ICU BEDS MANUAL OPERABLE	RUST PROOF MANUAL OPERABLE TUCK AWAY OR SLIDING SIDERAILS , FOUR SECTION MATTRESS BASE, WATER PROOF, 12CM THICK MATTRESS, SUITABLE TABLE AT FOOT END WHICH CAN COME OVER THE BED AND A CABINET AT HEAD END FOR KEEPING PATIENTS CHARTS AND MEDICINES, APPROPRIATE STOOL FOR PATIENTS ATTENDANT, DETACHABLE BED END, FACILITY FOR TRENDLENBERG AND ANTI TRENDLENBERG POSITION.
3.	FOWLER BED WITH WHEEL WITH FOWLER MATERESS	 <ol style="list-style-type: none"> 1. Should have four sections. Top flat platform should be made of perforated 2. CRC sheet of thickness of 16G or better. 3. Bed frame must be sturdy and stable to support weight of at least 170 kg. The frame structure should be made up of at least 16 G CRC, rectangular / circular pipe of 100 mm x 30 mm. 4. Bed frame mounted on trolley base made up of 100mmx30mm CR C rectangular pipe of 16 gauge. 5. All adjustments for fowler position must be obtained from crank shaft, manually operated with stainless steel/ABS foldable handle on both the shaft. 6. The finished bed must be rust proof, pretreated and polished Stainless Steel. 7. The bed should have telescopic side rails of stainless steel of 22 Gauge with spring loaded locking arrangement on both sides. 8. Should have easily removable head and foot panels made up of ABS

		<p>plastic.</p> <p>9. Fowler bed should be of following dimension:</p> <p style="padding-left: 40px;">Mattress area of Length 2000 to 2010 mm X Width 900 to 1000mm Height: - 500 to 550mm (without mattress)</p> <p>10. Should have strong & good quality single wheeled total locking type Swivel Castors of 125 to 150 mm diameter with breaks on all four castors for stabilized position.</p> <p>11. There should be suitable buffer mechanism to avoid hitting of the bed to the wall from all sides.</p> <p>12. Should have provision of fixing suitable rod for hanging intravenous / irrigation fluid bottle on both sides at head end and foot end. Each bed should be supplied with 1 no. good quality I. V. rod.</p> <p>13. Should have hooks on bed frame on both side for holding urine / drainage bag (at least 2 Nos. on each side). Hooks should be in-turned to prevent injury to bystander.</p> <p>MATTRESS</p> <p>Mattress to be four sectional and to be combination of good quality foam and coir layer.</p> <p>DIMENSIONS: Exactly fitting to the Bed, 4 inch thick.</p>
4.	PATIENT SEMI-FOWLER BED WITH WHEEL WITH SEMI-FOWLER MATERESS	METALIC, HARD BED, ADJUSTABLE HEAD END, WITH ATTACHMENT FOR IV LINE, STURDY WHEELS- DIAMETER 6 INCHES OR MORE WITH LOCKS, WITH NON PLASTIC WATERPROOF MATERIAL COVERED DURABLE MATERESS, -,12 CM THICK
5.	PATIENT BED WITH MATERESS	METALIC, HARD BED, ADJUSTABLE HEAD END, WITH ATTACHMENT FOR IV LINE, STURDY WHEELS- DIAMETER 6 INCHES OR MORE WITH LOCKS, WITH NON PLASTIC WATERPROOF MATERIAL COVERED DURABLE MATERESS, 12 CM THICK
6.	Examination Couch SS with Mattress	 <p>1. Constructed from round polished SS Pipes</p> <p>2. Fully adjustable headrest. Top of Polished SS Sheet.</p> <p>3. Top is upholstered and covered with washable plastic material</p> <p>4. Legs fitted with thick high quality nylon gromets.</p> <p>5. 5 cm 50PU density foam cushioned top covered with leathered Rexene of 2mm thickness</p> <p>6. Top dimensions – L = 72inch X W=24inch Ht of – 32 inch</p>

		7. All the Stainless Steel should be seamless conforming to 304 grade/ 16 gauge and polished finished
7.	S S BED SIDE LOCKER	<ul style="list-style-type: none"> • Overall approximate size: 400 mm x 400 mm x 820 mm • Body consisting of 2 sides and back is made from one piece, made of 20 G SS sheet • Top shall be fitted with superimposed stainless steel sheet with raised edges on three sides • One drawer is provided below the top, of size 100 mm H x 350 mm W x 390 mm D approximately, fitted with smooth slides • Under the drawer is an open storage space and below it is a closed door cabinet • Door of the cabinet box is pivoted at top and bottom • Base of the drawer is fitted with castors of wheel diameter 50 mm, all without brake • Two buffers shall be provided at rear side of the locker box <p style="text-align: center;">All SS to be of 304 grade/gauge</p>
8.	Steel Almirah	 <p>High grade steel almirah with size 1980mm (H) x 910mm (W) x 480mm (D) with adjustable shelf and one locker.</p>
9.	Steel Rack	Size-06''x36''x15'' with six shelves with spray painting GCR sheet.
10.	Full Secretariat Table	Size-72''x36''x29'' Prelaminated board, 3 shelves in left side one box right side.
11.	Half Secretariat Table	Size-54''x24''x29'' , '' Prelaminated board 3 Shelves in right side.
12.	Stool (Steel)	Size: 1 ½' x1 ½' x1'
13.	Stool (PVC / Plastic)	Size: 1 ½'x1 ½' x1'
14.	Tubular Chair	Steel Full Arm Tubular Chair with cushion seats and back 16 G. Superior Quality
15.	Visitor Chair	 <ul style="list-style-type: none"> ▪ gauge M.S. Pipe with chrome coating for under structure ▪ 12mm thick hot pressed molded seat & back plywood ▪ Polyurethane seat & back foam in black colour with PU Leather upholstery
16.	Executive Table	

		 <ul style="list-style-type: none"> ▪ 30 & 18mm MDF enter particle board with 3D Melamine Veneer Finish ▪ Table Top to be strengthened with 25mm aluminum profile ▪ Front Elevation provided with Anodized Aluminum profiles with telescope Draw Slides ▪ Size : 1600W x 900D x 750H MM ▪ Pedestal : 3 Draws with 3 in 1 way technology
17.	Side Runner	 <ul style="list-style-type: none"> ▪ 30 & 18mm MDF enter particle board with 3D Melamine Veneer Finish ▪ Keyboard Draw, CPU Slot with 2 openable Doors ▪ Size : 1400W x 375D x 750H MM
18.	Officer's Executive Chair	 <ul style="list-style-type: none"> ▪ SS Base with Nylon Twin Castors ▪ Auto Seat height Adjustable ▪ Multi locking Knee Tilt Mechanism ▪ Polyurethane seat foam with Nylon Mesh fabric ▪ Nylon Adjustable Arm Pads ▪ Nylon Net for back with Lumber support adjustable ▪ Multi position Head rest adjustment

19.	Staff Table	 <ul style="list-style-type: none"> ▪ 25mm thick HDF Board with melamine Laminate ▪ Keyboard Tray & CPU Trolley ▪ Size : 1200W x 600D x 750H MM
20.	Staff Chair	 <ul style="list-style-type: none"> ▪ Heavy Chrome Base with Nylon Twin castors ▪ Auto seat height adjustable ▪ Single Locking Tilting Mechanism ▪ Polyurethane Seat foam with Mesh Fabric ▪ Nylon Net for back with ABS ▪ Nylon fixed Armrest
21.	Computer Table with Chair	<p>14. Computer Table : 15. Standard work station/computer table of size 36”X18” X30” height having mild steel frame of rectangular pipe section 16guage(1.6mm thickness) finished in matt lack powder coated with cream colour Navopan top of 18mm Rear Panel plus storage shelf for the printer input papers. Sliding keyboard shelf with 1 ½ ” X 1” thick armrest pad full length.</p> <p>16. Computer Operating Chair: PU cushion seat and back with revolving mounted on 5 prong fiber base pneumatic seat height adjustments ABS seat and back cover. Back PU cushion: 390mm (W) X 255mm (H) Seat PU cushion: 430mm (W) X 390mm (D)</p>
22.	Revolving Stool S.S. with 4 leg	
23.	Conference Table	Conference Table (Meeting Room): Providing & Fixing Conference Table having size 3000 mm x 1200 mm x 750 mm, round at the corners, top made of 36mm thick board, pressed with 0.4mm thick membrane foil clad pressed with PU glue. The foil shall be pre-coated with a layer of polyurethane for better scratch resistance. The table shall have understructure with verticals made of 25mm thick post-formed particle board & modesty made of 18mm thick pre-laminated particle board having decorative laminate on both sides. The table shall also have provision for carrying wires & mounting switches etc. Table

		<p>shall also have shelf below made of 18mm thick pre-laminated particle board. The Round corner piece shall be made up of 36mm thick board pressed with 0.4mm thick membrane foil clad pressed with PU glue and supported with post of 65mm dia. made of CRCA sheet duly powder coated as per salient technical features. The table should be only in one approved colour.</p> 
24.	Student Table	 <p>Size 2400mm (L) x 450mm (D) x 750mm (H) made up of 25mm thick PLPB with 2mm thick PVC edge bending and modesty panel vertical support 25mm thick PLPB with 2mm thick PVC edge bending.</p>
25.	Flap Chairs with cushion	<p>Leatherite cushion full desklet and paper tray (as shown in the diagram).</p> 

Note: The photographs above are only indicative and the items to be supplied should be as nearer as possible to the designs and specifications provided above.
