



**OFFICE OF THE MISSION DIRECTOR  
National Health Mission, Assam  
Saikia Commercial Complex, Srinagar Path, Christian Basti,  
G S Road, Guwahati-781005, Assam**

Website : [www.nrhmassam.in](http://www.nrhmassam.in)

e-mail : [misnrhm.assam@gmail.com](mailto:misnrhm.assam@gmail.com)

Ref: NRHM/PROC/ HOS-EQP / 1930/2013-14/43858

Date: 19/02/2014

**CORRIGENDUM NO. 2**

**(TENDER FOR HOSPITAL FURNITURE, FIXTURES, EQUIPMENTS & INSTRUMENTS)**

Pursuant to the Pre-Bid conferences held on 08-01-2014 and 12-02-2014 certain terms and conditions incorporated in Tender No. NRHM/PROC/ HOS-EQP / 1930/2013-14/39260 Date 23/12/2013 have been amended. The details of the amendments have been uploaded in the official website [www.nrhmassam.in](http://www.nrhmassam.in) which should be taken note of prior to submission of bids. The last date & time for submission of bids is also extended to 05-03-2014 (before 2.00 PM).

Sd/-  
( Manish Thakur, I.A.S)  
Mission Director, NHM



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Ref: NRHM/PROC/HOS-EQP / 1930/2013-14/43858

Date: 19/02/2014

**SUB: DETAILS OF AMENDMENTS TO TENDER NO: NRHM/PROC/HOS-EQP/1930/2013-14/39260 Date 23/12/2013 FOR SUPPLY OF HOSPITAL FURNITURE, FIXTURES, EQUIPMENTS & INSTRUMENTS**

The terms & conditions incorporated in the subject tender which have been amended pursuant to pre-bid discussions with interested firms, are detailed in the paragraphs below. All other terms and conditions of the tender shall, however, remain unchanged.

**(1) CLAUSE 1 (LAST DATE FOR RECEIPT OF TENDERS) IS AMENDED TO READ AS FOLLOWS**

**Sealed Tenders in two separate covers {Technical bid (Cover "A") and Price Bid (Cover "B")} will be received up to 05-03-2014 till 2 PM by the Mission Director, National Health Mission, Saikia Commercial Complex, Srinagar Path, Christianbasti, G S Road, Guwahati-781005, Assam**

**(2) CLAUSE 2 (IMPORTANT NOTES) IS AMENDED TO READ AS FOLLOWS:**

- a) The bidder shall quote prices in Indian Rupees only, on FOR destination basis.
- b) Delivery of the ordered items shall be affected at the designated Health Institutions spread over 27 districts in Assam,
- c) Arrangement of Road Permits for despatch of consignments shall be the responsibility of the successful bidder (s).
- d) There is no guarantee on the quantity of items to be supplied during the tenure of any contract arising out of this tender. The successful bidder (s) will be called upon to supply one or more items in a Group in such quantities as would be required from time to time during the contract period based on actual need assessed by NHM Assam.

**(3) CLAUSE 4 (ELIGIBILITY CRITERIA) IS AMENDED TO READ AS FOLLOWS:**

- A. Bidder shall either be a manufacturer or a distributor/dealer having experience of supplying Hospital Furniture & Fixture/Medical Equipments/Instruments to Govt. Organizations.
- B. Average Annual turnover of the bidder (who is not a manufacturer) in the last three financial years i.e. 2010-11, 2011-12, 2012-13 from sales of Hospital

Furniture & Fixtures/Medical Equipments/Instruments shall be as under:

- Not less than Rs 1.20 crores for Group A
- Not less than Rs 1.00 crore for Group B
- Not less than Rs 2.10 crores for Group C
- Not less than Rs 1.45 crores for Group D
- Not less than Rs 1.90 crores for Group E
- Not less than Rs 1.00 crore for Group F
- Not less than Rs 2.95 crores for Group G
- Not less than Rs 2.50 crores for Group H
- Not less than Rs 0.25 crores for Group I
- Not less than Rs 1.35 crores for Group J

In the event a bidder quotes for more than one group then the Average Annual Turnover of the bidder in the last three financial years shall not be less than the summation of the specified Average Annual Turnover for each Group selected for the bid. For example, if a bidder quotes for Group A, Group C and Group E then their Average Annual Turnover in the last three financial years shall not be less than Rs 5.20 crores.

- C. Manufacturer participating as bidder or manufacturer from whom the Hospital Furniture & Fixture/Medical Equipments/Instruments would be sourced by the dealer should have the following Average Annual Turnover in the last 3 financial years i.e. 2010-11, 2011-12, 2012-13:

- Not less than Rs 15.00 Crores for Groups A, B, C & D
- Not less than Rs 05.00 Crores for Groups F & G
- Not less than Rs 01.00 Crores for Groups E, H & I
- Not less than Rs 00.50 Crores for Group J

However, for manufacturers of Hollow Wares in any of the Groups, the average Annual Turnover in the last three financial years shall not be less than Rs 0.25 Crore.

- D. Bidder should have at least 3(Three) years Market Standing as supplier of Hospital Furniture & Fixture/Medical Equipments/Instruments.

- E. Manufacturers of Hospital Equipments/Instruments/Furniture/Fixtures shall have valid certificates as under:

- Certificate of approval of AERB/BARC for Group A
- US FDA Certificate & European CE Certificate for Group B, Group C & Group D
- US FDA/CE Certificate and ISO 9001:2008 Certificate for Group E
- US FDA/European CE Certificate & ISO 9001:2008 Certificate for Group F
- US FDA/CE Certificate & ISO 9001:2008 Certificate for Group G
- ISO 9001:2008 & ISO 14001:2004 & OHSAS 18001:2007 Certificate for Group H and Group I
- US FDA/CE Certificate & ISO 9001:2008 for Group J

- F. The bidder for any Group of items shall have experience in supply & installation of Hospital Furniture & Fixture/Medical Equipments/Instruments

in the last 3 (three) financial years and value of a single order awarded by a Government Organization for similar items during this period shall be at least Rs 50.00 Lakhs.

- G. Bidder should have experience & knowledge of modes of packing, distribution & transportation of such items under any weather conditions.
- H. Bidder who has been blacklisted either by the Tender Inviting Authority or by any State Government or Central Government Organization will not be allowed to participate in the tender during the period of blacklisting.

**(4) SUB CLAUSES (I) & (II) UNDER CLAUSE 5 (GENERAL CONDITIONS) ARE AMENDED TO READ AS FOLLOWS:**

- (I) There are ten groups of items in the tender (Groups A, B, C, D, E, F, G, H, I & J). A bidder must quote for all the items in a particular Group as indicated in the bid document. In case, a bidder does not quote for one or more items in a particular Group, the bid for that Group shall be considered incomplete and will be liable for rejection.
- (II) A bidder may quote for any or all the Groups. A bidder quoting rates for supply of items in Group A, B, C, D, E, F & G must also quote for Comprehensive Maintenance Contract price of such items for a period of 3 years.

**(5) SUB CLAUSES B, I & K UNDER CLAUSE 6 ( TECHNO-COMMERCIAL BID - COVER "A") ARE AMENDED TO READ AS FOLLOWS:**

**B Earnest Money Deposit (EMD)**

Earnest Money Deposit of amounts indicated below only in the form of Demand Draft/Banker's Cheque/Bank Guarantee favoring "**State Health Society, Assam**". In case of BG, the same shall be valid for 120 days. Earnest Money Deposit in any other form will not be accepted. Earnest Money Deposit will not earn any interest. The Earnest Money Deposit of the successful Bidder may, at the discretion of Tender Inviting Authority, be adjusted towards the Security Deposit payable by the Bidder.

- EMD of Rs 7,91,000.00 for Group A
- EMD of Rs 5, 78,000.00 for Group B
- EMD of Rs 13, 82,000.00 for Group C
- EMD of Rs 9,47,000.00 for Group D
- EMD of Rs 12, 64,000.00 for Group E
- EMD of Rs 5,67,000.00 for Group F
- EMD of Rs 19, 59,000.00 for Group G
- EMD of Rs 16, 50,000.00 for Group H
- EMD of Rs 1, 51,000.00 for Group I
- EMD of Rs 9,00,000.00 for Group J

In the event a bidder quotes for more than one group then the EMD specified for each selected group must be added and the total amount submitted in

the form of Demand Draft/Banker's Cheque/Bank Guarantee favoring "State Health Society, Assam"

**I CE/US FDA, ISO, OHSAS & other Certificates**

- Attested/notarized copies of Certificate of approval of AERB/BARC for Group A
- Attested/notarized copies of US FDA Certificate & European CE Certificate for Group B, Group C & Group D
- Attested/notarized copies of US FDA/CE Certificate and ISO 9001:2008 Certificate for Group E
- Attested/notarized copies of US FDA/European CE Certificate & ISO 9001:2008 Certificate for Group F
- Attested/notarized copies of US FDA/CE Certificate & ISO 9001:2008 Certificate for Group G
- Attested/notarized copies of ISO 9001:2008 & ISO 14001:2004 & OHSAS 18001:2007 Certificate for Group H and Group I
- Attested/notarized copies of US FDA/CE Certificate & ISO 9001:2008 for Group J

**K Execution of similar contracts (By bidder)**

Details of supplies (Hospital Furniture & Fixtures/Equipments & Instruments) made during the last 3 financial years with summary of Purchase Orders and Performance Certificates issued by clients in the specified format (Refer **Annexure IV**). Items supplied to Govt. institutions and to programs sponsored by WHO, UNICEF etc., if any, during the last 3 years should be highlighted. Attested/notarized copies of orders/contracts for similar items including one single order of value at least Rs 50.00 Lakhs executed for a Government Organization during the last 3 years should be submitted.

The paragraph following "Check list of documents" shall read as under:

The above documents should be sealed in a separate cover super scribed as "**TECHNICAL BID, COVER "A" (TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 05/03/2014)**" and addressed to the Mission Director, National Health Mission, Assam. Saikia Commercial Complex, Srinagar Path, Christian Basti, G S Road, Guwahati-781005

**(6) CLAUSE 7 (PRICE BID - COVER "B") IS AMENDED TO READ AS FOLLOWS:**

**PRICE BID - COVER "B"**

Cover "B" shall contain the Price Bids separately for Group A, Group B, Group (C), Group (D), Group (E) & Group (F), Group (G), Group (H) and Group (I) in the formats at the revised Annexures included in this document viz. Annexure XII (A-Rev 1), Annexure XII (B-Rev 1), Annexure XII (C-Rev 1), Annexure XII (D-Rev 1), Annexure XII (E-Rev 1), Annexure XII (F-Rev 1), Annexure XII (G-Rev 1), Annexure XII (H-Rev 1), Annexure XII (I-Rev 1) and Annexure XII (J-Rev 1), respectively.

**A. Signature & Seal on each Page**

Each page of the Price Bid should be duly signed by the Bidder affixing the office seal.

B. **Signature on corrections**

Bid should be typewritten and every correction in the bid should be attested with full signature by the Bidder, failing which the bid will be ineligible. Corrections done with correction fluid should also be duly attested.

A. **Items Quoted & Rates**

The Bidder shall separately fill up the Annexure XII (A-Rev 1), Annexure XII (B-Rev 1), Annexure XII (C-Rev 1), Annexure XII (D-Rev 1), Annexure XII (E-Rev 1), Annexure XII (F-Rev 1), Annexure XII (G-Rev 1), Annexure XII (H-Rev 1), Annexure XII (H-Rev 1), and Annexure XII (J-Rev 1) for items quoted.

B. **Landed Cost**

The rate quoted per unit or landed price in **Annexure-XII** shall be inclusive of excise duty, sales tax, packaging charge, freight, Insurance etc. The component of VAT/Sales Tax should also be shown separately.

C. **Unit Size/ Rate**

The rate quoted in Annexure XII (A-Rev 1), Annexure XII (B-Rev 1), Annexure XII (C-Rev 1), Annexure XII (D-Rev 1), Annexure XII (E-Rev 1), Annexure XII (F-Rev 1), Annexure XII (G-Rev 1), Annexure XII (H-Rev 1), Annexure XII (H-Rev 1) and Annexure XII (J-Rev 1), should be for a unit and given specification. The Bidder is not permitted to change / alter specification or unit size given in the Annexures.

The above documents should be sealed in a separate cover superscribed as "**PRICE BID, COVER "B" (TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 05/03/2014)**" and addressed to the Mission Director, National Health Mission, Assam. Saikia Commercial Complex, Srinagar Path, Christian Basti, G S Road, Guwahati-781005

**The two separately sealed covers {Technical bid (Cover "A") and Price Bid (Cover "B")} shall be placed together inside another cover which shall be sealed and superscribed as "TENDER FOR SUPPLY OF HOSPITAL FURNITURE, EQUIPMENTS ETC DUE ON 05/03/2014" and addressed to the Mission Director, National Health Mission, Assam. Saikia Commercial Complex, Srinagar, G S Road, Guwahati-781005**

(7) **CLAUSE 10 (VALIDITY OF OFFER OF SUCCESSFUL BIDDER) IS AMENDED TO READ AS FOLLOWS:**

The validity of offer of the successful bidder shall be at least 02(two) years from the date of finalization of the order and the successful bidder will be bound to supply the items at agreed rates and terms during this period. This validity period may be further extended by one year with mutual consent.

(8) **SUB CLAUSE A UNDER CLAUSE 11 (OTHER CONDITIONS) IS AMENDED TO READ AS FOLLOWS:**

A. **Item Details & Quantity**

Specifications & Details of Items are shown in the Annexures included in this document viz **Annexure-XIII (A-Rev 1), Annexure-XIII (B-Rev 1), Annexure-XIII (C-Rev 1), Annexure-XIII (D-Rev 1), Annexure-XIII (E-Rev 1), Annexure-XIII (F-Rev 1), Annexure-XIII (G-Rev 1), Annexure-XIII (H-Rev 1), Annexure-XIII (I-Rev 1)** and **Annexure –XII (J-Rev 1)**. The rates quoted should not vary with the quantum of the order or the destination. The quantities mentioned are indicative only and not firm. The indicated quantities may increase or decrease based on actual requirement assessed by the Tender Inviting Authority during the period of contract.

(9) **SUB CLAUSE A UNDER CLAUSE 12 (ACCEPTANCE OF TENDER) IS AMENDED TO READ AS FOLLOWS:**

A. **Tender Evaluation**

Tenders will be evaluated with reference to technical and commercial parameters to determine the technically qualified bidders for all Groups. The technically qualified bidders for Groups G & H items shall have to demonstrate the following products for inspection and final assessment of quality:

*“Labour Table, Examination Couch, Hospital Bed with Mattress, Hydraulic OT Table, Instrument Cabinet, Semi Fowler Bed, Bedside Locker, Foot Step (Double), Mayo’s Instrument Trolley, Field Type OT Table, Instrument Trolley”*

In the event any of the above products demonstrated by a technically qualified bidder in Groups G & H is found to be deficient in terms of quality, the offer of such bidder shall be declared as technically not acceptable. Based on such assessment the final list of technically qualified bidders for Groups G & H items shall be drawn up.

Price Bids of technically qualified bidders will be evaluated with reference to the quoted rates (landed price of each item). Conditional discounts shall not be taken into account for price comparison. The total value of each item in a particular group will be added to determine the overall lowest price. The bidder quoting the overall lowest price in a particular Group shall be ranked as the L1 bidder for that group.

10) **CLAUSE 16 (SECURITY DEPOSIT) IS AMENDED TO READ AS FOLLOWS:**

The successful bidder, within 10 days of signing of the agreement, shall be required to submit Security Deposit of 5 % of the order value in the form of bank guarantee from any Indian scheduled bank in favour of the Tender

Inviting Authority valid for the entire warranty period. However, if the supplier fails to execute the order or fails to perform the services as per agreement, in addition to other penal actions, the bank guarantee shall be encashed and the amount will be forfeited.

**(11) SUB CLAUSES B AND G UNDER CLAUSE 17 (SUPPLY & SERVICE CONDITIONS) IS AMENDED TO READ AS FOLLOWS:**

**B. Specifications & Quality**

The items supplied by the successful Bidder shall be of the best quality and shall comply with the specifications, stipulations and conditions specified at **Annexure-XIII (A-Rev 1), Annexure-XIII (B-Rev 1), Annexure-XIII (C-Rev 1), Annexure-XIII (D-Rev 1), Annexure-XIII (E-Rev 1), Annexure-XIII (F-Rev 1), Annexure-XIII (G-Rev 1), Annexure-XIII (H-Rev 1), Annexure-XIII (I-Rev 1)** and **Annexure-XIII (J-Rev 1)** included in this document.

**G. Comprehensive Maintenance**

The successful bidder (Supplier) for items in Group A, Group B, Group C Group D, Group E, Group F & Group G shall provide post warranty Comprehensive Annual Maintenance Contract (CAMC) service for a period 3 years from the date the warranty is over. The CAMC amount shall include cost of labour, spare parts and consumables required for repair and maintenance of equipments. The scope of work during the CAMC period shall include, inter-alia, the following:

- i) To ensure 95 % uptime of the equipments.
- ii) To upgrade software free of cost.
- iii) To undertake 4 preventive maintenance service in a year.
- iv) To attend to breakdown calls within 24 hours of reporting a fault.

**(12) THE OPENING PARAGRAPH UNDER CLAUSE 24 (PAYMENT PROVISIONS) IS AMENDED TO READ AS FOLLOWS:**

Payments towards the supply of items will be made strictly as per rules of the Tender Inviting Authority. 90 % payment will be released on delivery of equipment and balance 10 % on satisfactory installation/commissioning. The payments for CAMC service will be made on yearly basis after satisfactory performance of service each year.

***Scroll down to next page.....***



13) **ANNEXURE VII A IS AMENDED TO READ AS FOLLOWS**

**Annexure –VIII A**

**List of items quoted**

**(To be submitted separately for Groups A, B, C, D, E, F, G, H, I &J)**

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

Sr. No.	Description of Items Group ( )	Manufacturer's Name	Warranty Period in Years	Price Quoted/ Not Quoted	Technical Specifications Attached/Not Attached

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

*Scroll down to next page.....*

14) **ANNEXURE VII B IS AMENDED TO READ AS FOLLOWS**

**Annexure –VIII B**  
**Technical Compliance Statement**  
**(To be submitted separately for Groups A, B, C, D, E, F, G, H, I &J)**

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

Sr. No.	Name of the Item Group( )	Technical Specifications as per Tender (Annexure-XIII)	Technical Specifications quoted by the bidder	Deviations, if any

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

***Scroll down to next page.....***

**AMENDED FORMATS**

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**PRICE BID FOR GROUP "A" ITEMS**

TENDER NO.....

Sl	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total** = Rs.....  
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

**PRICE BID FOR GROUP "B" ITEMS**

TENDER NO.....

SI	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

**PRICE BID FOR GROUP "C" ITEMS**

TENDER NO.....

SI	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

**PRICE BID FOR GROUP “D” ITEMS**

TENDER NO.....

Sl	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

IGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

**PRICE BID FOR GROUP "E" ITEMS**

TENDER NO.....

SI	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :



**PRICE BID FOR GROUP "F" ITEMS**

TENDER NO.....

Sl	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

SIGNATURE :

NAME &amp; DESIGNATION :

DATE :

NAME &amp; ADDRESS OF THE FIRM :

**PRICE BID FOR GROUP "G" ITEMS**

TENDER NO.....

SI	Brief Description of items Group( A)	Qty. Nos.	Basic Rate per unit Rs	Tax/VAT per unit Rs	Total (For supply) Rs 3 x(4+5)	Post Warranty CAMC charge (for 3 years)- inclusive of all taxes Rs	Total (For Post Warranty CAMC) Rs 3 x7	Total (Supply+ CAMC) Rs (6+8)
1	2	3	4	5	6	7	8	9
1								
2								
3								

**Grand Total =** Rs.....  
Rs (in words).....

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII (H-Rev 1)

PRICE BID FOR GROUP "H" ITEMS

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

SL	DESCRIPTION OF ITEM Group(E)	Quantity in Nos.	Basic Rate per No. (in Rupees)	TAX/VAT (in Rupees)	Total Amount (in rupees) 3 x (4+5)	
1	2	3	4	5	6	
					In Figures	In Words

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII (I-Rev 1)

**PRICE BID FOR GROUP "I" ITEMS**

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

SL	DESCRIPTION OF ITEM Group(E)	Quantity in Nos.	Basic Rate per No. (in Rupees)	TAX/VAT (in Rupees)	Total Amount (in rupees) 3 x (4+5)	
1	2	3	4	5	6	
					In Figures	In Words

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :

ANNEXURE XII (J-Rev 1)

**PRICE BID FOR GROUP "J" ITEMS**

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

SL	DESCRIPTION OF ITEM Group(E)	Quantity in Nos.	Basic Rate per No. (in Rupees)	TAX/VAT (in Rupees)	Total Amount (in rupees) 3 x (4+5)	
1	2	3	4	5	6	
					In Figures	In Words

SIGNATURE :

NAME & DESIGNATION :

DATE :

NAME & ADDRESS OF THE FIRM :



Power Requirement : 220 V A.C /50Hz Single Phase  
(4.9 KW for 60 mA /8.0 KW for 100 mA)

For the unit to operate safely and correctly, observe the environmental conditions specified below. In case of storing the unit for a long time, give special consideration to ventilation at the place of storage.

TEMPERATURE : Below 50 degrees  
HUMIDITY : 30 to 85% (Non Condensing)

**Dark Room Accessories:-**

**X.ray developing tank**

S.S, 4.5, Ltrs with lid

S.S, , 9, Ltrs with lid

S.S, 13.5 Ltrs with lid

**Safe light X.ray dark room:-** Size: 5" x 7"

**Cassettes X.ray**

Size: 8"x10",

Size: 10" x 12"

Size : 12" x 15"

**Lead Apron:-**Full front side

**Intensifying screen X-ray**

Size: 8"x10",

Size: 10" x 12"

Size : 12" x 15"

Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"

X-Ray Adoption Google

X-Ray Lead Markers

Processing Tray

X-Ray Film Cutter

**X-Ray Film Hangers**

Size: 8"x10",

Size: 10" x 12"

Size : 12" x 15

***Warranty for 2yrs***

10

2	<p><b>X-Ray Machine 300 mA with dark room accessories.</b></p> <ul style="list-style-type: none"> <li>➤ Output:- 24 KW</li> <li>➤ Tube Voltage – Radiography :- 40 kVp – 125 kVp (Each step of 2 kVp)</li> <li>➤ Tube Voltage –Fluroscopy (Optional). To be quoted as per available specification of the manufacturer.</li> <li>➤ Tube Current : Small Focus : 50mA , 100 mA Large Focus :- 200 mA , 300 mA</li> <li>➤ mAs Rating: 2 to 500 (Each step of 2 mAs)</li> <li>➤ Technic : 50 mA, 100 mA, 200 mA, 300 mA</li> <li>➤ Table: 5 position manual Table with grid 6:1</li> <li>➤ Standard column as approved by AERB</li> <li>➤ Tube-BEL/TOSHIBA</li> <li>➤ Timer: Manual/Automatically selected by microprocessor.</li> <li>➤ Tube Type:- Dual Focus Rotating Anod Tube.</li> <li>➤ Power Supply:- 440 V, 50/60 Hz with three to single phase transformer.</li> <li>➤ Power Requirement: - 30 KVA.</li> </ul> <p><b><u>Dark Room Accessories:-</u></b></p> <p><b>X-ray developing tank</b> S.S, 4.5, Ltrs with lid S.S, , 9, Ltrs with lid S.S, 13.5 Ltrs with lid</p> <p><b>Safe light X-ray dark room:-</b> Size: 5" x 7"</p> <p><b>Cassettes X-ray</b> Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p><b>Lead Apron:-</b>Full front side</p> <p><b>Intensifying screen X-ray</b> Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p>Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"</p> <p>X-Ray Adoption Google</p> <p>X-Ray Lead Markers</p>	40
		40





	<p>S.S, 4.5, Ltrs with lid S.S, , 9, Ltrs with lid S.S, 13.5 Ltrs with lid</p> <p><b>Safe light X.ray dark room:-</b> Size: 5" x 7"</p> <p><b>Cassettes X.ray</b> Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p><b>Lead Apron:-</b>Full front side <b>Intensifying screen X-ray</b> Size: 8"x10", Size: 10" x 12" Size : 12" x 15"</p> <p>Half Blockers :- Size 8" x 10", 10" x 12", 12" x 15"</p> <p>X-Ray Adoption Google</p> <p>X-Ray Lead Markers</p> <p>Processing Tray</p> <p>X-Ray Film Cutter</p> <p><u>X-Ray Film Hangers</u> Size: 8"x10", Size: 10" x 12" Size : 12" x 15</p> <p><b>Warranty for 2yrs</b></p>	
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ANNEXURE XIII (B-Rev1)

SPECIFICATIONS & DETAILS OF ITEMS

GROUP (B)

Si No	Specification	Qty (Nos)
1.	<p data-bbox="386 277 1013 306"><b>Color Doppler USG with Servo Stabilizer</b></p> <p data-bbox="386 310 688 340">Specification (Main Unit)</p> <p data-bbox="386 344 1182 415"><b>Imaging Mode:</b> B, B/B Live, 4B,B/M,Color Doppler Imaging,Power Doppler Imaging,Pulsed wave Doppler,Panaromic VIEW</p> <p data-bbox="386 457 977 529"><b>Scanning Mode:</b> Electronic Convex/Linear/Micro convex/Endocavity</p> <p data-bbox="386 571 574 600"><b>Gray Scale :</b>256</p> <p data-bbox="386 642 1107 714"><b>Display:</b> 15 Inch High Resolution LCD Monitor ,Brightness &amp; Contrast Adjustable</p> <p data-bbox="386 751 1123 823"><b>Probe Frequency:</b>Broad Band Probe with Selectable working Frequency upto 12 MHz</p> <p data-bbox="386 861 1091 890"><b>Probe Connector:</b>2 Active Transducer Connector or More</p> <p data-bbox="386 932 1149 1003"><b>Dynamic Imaging:</b> Dynamic frequency range 30-200,Multistep Dynamic Focusing Technology</p> <p data-bbox="386 1045 1068 1075"><b>Focusing Method:</b> Dynamic focusing ,Variable Aperture</p> <p data-bbox="386 1117 1192 1188"><b>Gain Control:</b> Over all Gain Control,8 Step TGC Continuously Adjustable</p> <p data-bbox="386 1226 837 1255"><b>Image Reverse :</b> Left/right/up /Down</p> <p data-bbox="386 1297 1127 1327"><b>Image Magnification:</b>Spot Zoom &amp; Pan Zoom from 0.8 to 9 X</p> <p data-bbox="386 1369 1192 1440"><b>Cine Loop:</b> More than 10000 Frames in B-mode,Cine Length More than 30 Secs</p> <p data-bbox="386 1482 1130 1554"><b>Image Storage:</b> 320 GB Hard Disc capable of storages 2 Lakhs Single Frame Images</p> <p data-bbox="386 1591 1172 1692"><b>Connectivity:</b> Full patient Database solution,DVD RW Drive ,2 or More USB port DICOM 3.0,AVI,JPG,Video Out Format,</p> <p data-bbox="386 1734 672 1764"><b>Line Density:</b> Low, High</p> <p data-bbox="386 1806 782 1835"><b>Edge enhancement:</b> 0-14,1/Step</p> <p data-bbox="386 1877 688 1906"><b>Gray Scale Map:</b> 8 Types</p>	50

	<p><b>Persistence</b> :8 Steps</p> <p><b>Depth:</b> 1 to 35CM( depending on Transducer)</p> <p><b>ADJUSTABLE PARAMETERS:</b> gain,Dynamic Range 30-200 in B-Mode Imaging,1 Key Auto optimization Tissue Harmonic Imaging,HPRF,persistence,edge enhancement,Biopsy Guide Line,Focus Number &amp; Position,With User define Presets</p> <p><b>Diagnostic Mode:</b> Application Such As Abdomen,Obstretics,Gynecology,Small Parts,Vascular,Urology ,Cardiology,,Pediatrics</p> <p><b>Systems Upgrade:</b> Flexible Systems Upgrade through Software</p> <p><b>Frame Rate</b> : More than 300 F/s</p> <p><b>Channel:</b> Digital Channel 10,000 or More</p> <p><b>Inbuilt Battery Back up/ Online UPS for scanning more than 30 Mins</b></p> <p><b>Image management Software ,extended FOV at Convex &amp; Linear</b></p> <p><b>Standard Offered:</b> Main Unit with 15 inch LCD Display+2 probe Connector+1 Convex Probe (2-5 Mhz)+ 1 T.V Probe (4-9Mhz) ,</p> <p><b>Standard Accessories:</b> 1.Servo Stabilizer input Voltage Range from 90 V to 280 V, 2. B/w Thermal Printer</p> <p><b>OPTIONAL Accessories:</b>1)Linear Probe(5-11 Mhz) to be quoted Seperately <b>Warranty for 2yrs</b></p>	
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**ANNEXURE XIII (C-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (C)**

<b>Si No</b>	<b>Specification</b>	<b>Qty (Nos)</b>
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<p><u>1</u></p>	<p><b><u>Ventilator (Paediatric &amp; Adult ):-</u></b></p> <p><b>Description of Function</b>  ICU ventilators should provide artificial respiratory support to the critical patients in all the types of Intensive Care Units with altitude compensation for volume and BTPS correction for monitoring.</p> <p><b>Operational Requirements</b>  It should be microprocessor Controlled ventilator with integrate facility for Ventilation monitoring suitable for Pediatric &amp; adult ventilation.  The unit should be compressor based for precise gas delivery ( a turbine / piston/ blower based internal compressor)</p> <p><b>Technical Specifications</b></p> <ul style="list-style-type: none"> <li>➤ Hinged arm holder for holding the circuit</li> <li>➤ Should have Colored Touch screen, 12 Inch or more</li> <li>➤ It should have inbuilt facility to measure and display for all patient category ( Pediatric&amp; Adult )</li> <li>➤ 3 waves- Pressure and Time, Volume and Time and Flow and Time., Co2 and Time</li> <li>➤ 3 loops- P-V, F-V, P-F with facility of saving of 4 Loops for reference. Also facility to display volumetric capnography loops.</li> <li>➤ Graphic display to have automatic scaling facility for waves, Status indicator for Ventilator mode, Battery life, patient data, alarm settings, clock etc.</li> <li>➤ Simultaneous display of SET and exhaled parameter , 3 waveform and 2 loops and Alarm</li> <li>➤ Should have Trending facility for 72 hours</li> <li>➤ Should have Automatic compliance &amp; Leakage compensation for circuit and ET tube with ET Tube size and % of compensation</li> <li>➤ ETCO2 to be quoted as optional accessories as per available specification.</li>   <li>➤ Should have following settings for pediatric&amp; adult age groups. <ol style="list-style-type: none"> <li>a) Tidal Volume min 20 ml to 1800 ml</li> <li>b) Pressure (insp) 2- 90 cmH2O</li> <li>c) Pressure Ramp/ Flow patterns</li> <li>d) Respiratory Rate 1 to 150 bpm, Insp. Time 0.1 to 9 sec, I : E Ratio 5:1 to 1:5</li> <li>e) Insp. Flow ( resultant) 0.3 to 180 LPM, continuous Flow 2-38pm ( in TCPL ode)</li> <li>f) CPAP/PEEP 0-45 cmH2O</li> <li>g) Pressure support 2-80 cmh2O</li> <li>h) FIO2 21 to 100%</li> <li>i) Pause Time 0 to 2 sec</li> </ol> </li> </ul>	<p>50</p>
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j) Flow Trigger 0.2 to 12 lpm . Pressure Trigger 0.5 to 15 cmH2O

k) Expiratory trigger or exhalation sensitivity - 5-75-% of flow

➤ Should have ,monitoring of the following parameters

a) Airway Pressure (Peak & Mean)

b) Tidal volume (Inspired & Expired)

c) Minute volume ( Expired)

d) Spontaneous Minute Volume

e) Total Frequency

f) FIO2 dynamic

g) Intrinsic PEEP and PEEPi Volume (or trapped Volume)

h) Plateau Pressure

i) Resistance ( R<sub>insp</sub>&R<sub>exp</sub>)& Compliance ( C<sub>dyn</sub>&C<sub>stat</sub>)

j) Use selector Alarms for all measured & monitored parameters

➤ Should have following modes of ventilation

a) Volume controlled

b) Pressure Controlled

c) Pressure Support

d) SIMV (Pressure Control and volume control) with pressure support

e) CPAP/PEEP, PSV + assured tidal volume / guarantee / volume support

g) Advanced mode like pressure controlled volume guaranteed / PRVC / AUTOFLOW

h) Non Invasive ventilation ( NIV Mode )

i) Additional mode advance ASV / NAVA / MMV+ PSV /

j) APRV

k)Special Neonatal modes - Yime cycled pressure limited with continuous flow (TCPL) , SIMV +TCPL + PSV, N-CPAP( with continuous flow) , PRVC,APRV,and above mentioned mode

➤ Should have Apnea /backup ventilation. Back up mode should user adjustable and bi directional (auto switch over from spont. to control and vica-versa

➤ Expiratory block should be autoclavable and no routine calibration required

➤ Should have monitoring of the following parameters

a. Intrinsic Peep & Intrinsic PEEP Volume (Trapped Volume)

b. Occlusion Pressure( P<sub>0.1</sub>) , Max Inspiratory pressure (Pi max)

c. Non-forced Slow Vital Capacity , physiologic Dead space, RSBI, Imposed work of Breathing ( WOB<sub>i</sub>), Expiratory Time

	<p>constant ( T<sub>cexp</sub>)</p> <p>d. Facility to calculate lower and upper inflection point ( P/V Flex points)</p> <p>e. Facility for ET Tube compensation with tube diameter ( 4mm onward) and % of compensation and Patient circuit compensation</p> <ul style="list-style-type: none"> <li>➤ Should have integrated Nebulizer with capability to deliver fine particle size of to be used in line orOn line</li> <li>➤ Should have Ideal Body Weight facility</li> <li>➤ Should integrated Battery backup for minimum 1 hour for main unit as well as for the compressor</li> <li>➤ RS 323C interface for communications with networked devices.</li> <li>➤ <b>System Configuration Accessories, spares and consumables</b></li> </ul> <p>ICU Ventilator with trolley - 01</p> <p>Humidifier -Servo controlled fisher and Paykel MR 850/MR810 with digital monitoring of inspired gas temperature -01.</p> <p>All other standard accessories and consumables should be provided free of cost within the warranty and CAMC period.</p> <ul style="list-style-type: none"> <li>➤ <b>Inlet requirement</b></li> </ul> <p>Power input to be 220-240VAC, 50Hz</p> <p>Gas input( air and oxygen) - 50-100 psi</p> <p>The machine and compressor should be US FDA and European CE Certified.</p> <p><b>Warranty for 2yrs</b></p>	
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**ANNEXURE XIII (D-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (D)**

<b><u>Si No</u></b>	<b><u>Specification</u></b>	<b><u>Qty</u></b>
<u>1</u>		

**Ventilator (Neonatal):-**

Dedicated neonatal ventilator

**General Requirement**

- Should be able to ventilate patients with body weight from 400 grams to 20 kg
- Should have battery back-up for the ventilator as well as compressor for a minimum of 60 min operation
- Should have high resolution screen with colour display of at least 10 inches screen size
- Should have an integrated electronic blender for blending Air & Oxygen
- Should have based on external/ internal compressor
- Should have US-FDA and European CE certification for neonatal use
- The flow sensor should be reusable and autoclavable and should be located proximal between the Y piece and Endotracheal tube. Flow sensor should have replacement warranty.(optional)
- Should have device checking mechanism where it can determine and display the compliance and resistance of the system, determine leakage in the patient hose system and checking of valves, gas supply system, flow sensors etc
- Should have an automatic leak compensation facility that provide sensitive triggering even with changing ET-Tube leaks

**Ventilation Modes required:**

- Invasive ventilation:
  - a) Pressure limited: SIMV, Assist control/SIPPV, Pressure support (PSV), Apnea back up ventilation
  - b) Should have volume targeting or volume assured or volume guarantee function in all pressure limited modes to ensure a preset tidal volume delivery by varying the peak pressure or inspiratory time.
- Non Invasive ventilation: N- CPAP and NIMV
- Should have apnea backup facility with backup settings configured for neonates.
- should have setting for HFOV MAP 0-30 cmH<sub>2</sub>O, Frequency 5-15 Hz, Amplitude 0-100 % ,o Inspiration time – 33 % to 50 % adjustable,

**Waveforms and loops:**

- Scalar graphics - for pressure, volume and flow; scale should be user selectable and adjustable for neonatal settings
- Loop Graphics - for pressure volume, flow volume, pressure flow combinations; scale should be user selectable and adjustable for neonatal settings
- Should have freezing and measuring facility for loops and



curves. Freeze and Analysis cursor in all loops

- Facility of moveable cursors to read numeric values at any point on the loop where the cursors is kept
- Should have adjustable inspiratory flow patterns from square wave, sinusoidal and decelerating wave

**Ventilator Parameters and settings:**

- Should have knobs for setting following parameters - Peak pressure ( 5-60 cmH<sub>2</sub>O), Positive end expiratory pressure (PEEP- 0-30 cmH<sub>2</sub>O), Respiratory rate ( 0-200 bpm), Inspiratory rate (0.1 to 2 sec) & Expiratory time( 0.1 to 10 sec)/automatic , Oxygen concentration (in 1% increments or decrements), tidal volume ( 2 ml - min150 ml)
- Should be able to monitor the following parameters : Peak pressure, PEEP, Mean airway pressure (MAP), Respiratory rate, FiO<sub>2</sub>, Minute volume, Tidal Volume (Inspired & Expired, Leak percentage), Resistance, Compliance

**Should have following settings and ranges:**

- a) Inspiration time: 0.1 - 3 sec
- b) Expiration time: 0.1 - 10 sec/automatic
- c) Respiratory rate up to 300 breaths per minute in conventional modes
- d) Flow: Preset patterns - Square, Sinusoidal, decelerating
- e) PEEP: 0 - 30 mbar/cmH<sub>2</sub>O
- f) Inspiratory pressure: 5 - 50 mbar/cmH<sub>2</sub>O
- g) Tidal volume: 2 - 150 ml
- h) Proximal flow trigger facility with a trigger sensitivity of at least 0.21/min
- i) Oxygen concentration (FiO<sub>2</sub>): 21% to 100%

**Display:**

Inspiratory time %

Ventilator rate

Mean airway pressure

Inspired oxygen concentration

Tidal volume & Minute ventilation

Trends of set and measures parameters with a trend memory of at least 24 hrs.

Leak percentage

Display of silenced alarms

**Alarms Limit:** Should have visual as well as audible alarms with user adjustable alarms levels with text message for:

Power failure

Circuit disconnection

low tidal volume

Minute volume

Tidal volume

Peak Pressure

PEEP

	<p>Mean airway pressure  Patient disconnection  Gas failure  Low &amp; High FiO2  <b>Power Supply:</b> 220 - 240V and 50-60 Hz  <b>Miscellaneous:</b></p> <ul style="list-style-type: none"> <li>➤ Complete unit should be mounted on a sturdy pedestal trolley with good quality castors for easy movement of the complete ventilator. At least 2 of the four wheels should be lockable.</li> <li>➤ Each unit should have a circuit hanger to support the patient circuit</li> <li>➤ Each unit should be supplied with a heated servo controlled MR850 humidifier with Fisher &amp;Paskel reusable neonatal breathing circuit.</li> <li>➤ Nebulizer: Should be inbuilt and preferably volume compensated with a time - programmable flow mechanism to de-activate nebulizer</li> <li>➤ Manual oxygen key while suction; user adjustable oxygen concentration delivery while this manual mode is operated</li> <li>➤ Should have an adjustable mechanism relief valve for excess pressure</li> <li>➤ Should be able to connected to central air line via and external compressor so that the compressor automatically switches ON when air pressure in the central line drops below the recommended level</li> <li>➤ Should be able to connected to central O2 line</li> <li>➤ Each unit should come with 1 set of standard oxygen &amp; Air hoses with hose connectors</li> </ul> <p><b>Standard accessories and consumables to o be provided free of cost during warranty and CAMC</b></p> <p><b><i>Warranty for 2yr</i></b></p>	
<b><u>2</u></b>	<p><b><u>Transport Ventilator:-</u></b></p> <p>The portable ventilator is used to transport a patient with artificial respiration support for all patient category (Adult &amp; pediatric)</p> <p><b><u>Operational Requirements</u></b></p> <ul style="list-style-type: none"> <li>➤ The portable ventilator should be light weight( &lt;12 kg or better)</li> <li>➤ Should be based on IPPV time cycled and portable, light weight.</li> <li>➤ Should(electronically controlled and pneumatically)/microprocessor driven.</li> <li>➤ Should be able to work both with cylinders and pipeline, connectors and high-pressure tubing of appropriate length to be supplied.</li> </ul> <p><b><u>Technical Specifications</u></b></p>	<b>20</b>

	<ul style="list-style-type: none"> <li>➤ Should have venture /jet mixing- technology air - oxygen mixture</li> <li>➤ Should have following modes of ventilation: IPPV or control/Assist-control, Pressure Support +PEEP, Apnea back up</li> <li>➤ should have facility to be used non -invasively</li> <li>➤ Should have following settings <ul style="list-style-type: none"> <li>a. TV 50 – 1800ml or better</li> <li>b. PEEP/CPAP 0-20cmH2O</li> <li>c. Respiratory Rate 1 to 60bpm</li> <li>d. I: E ratio 1:1.5 (inspiratory time 40% of breathing cycle)</li> <li>e. FiO2 21%-100%</li> <li>f. pressure support level 0-50 cmH2O <ul style="list-style-type: none"> <li>➤ Trigger Sensitivity - Pressure 1 to 5 cmH2O</li> <li>➤ Should have airway pressure monitoring</li> <li>➤ Should have Audio-visual alarms for</li> </ul> </li> </ul> </li> <li>a. Low supply pressure</li> <li>b. High/low airway pressure</li> <li>c. Gas Supply</li> <li>d. Power failure</li> <li>e. Apnea</li> <li>f. Low battery <ul style="list-style-type: none"> <li>➤ Battery back -up for minimum 5-6 hour or better</li> <li>➤ Should fix, on rails of transport trolley and on stand with wheels.</li> <li>➤ Power supply unit / battery charging unit</li> <li>➤ Power supply cable for 12 V DC</li> <li>➤ Environmental factors The unit shall be capable of being stored continuously in ambient temperature of 0 -40 C and relative humidity of 15-90% The unit shall be capable of operating continuously in ambient temperature of 10 -40deg C and relative humidity of 15-90%</li> <li>➤ Power Supply Power input to be 220-240VAC, 50Hz</li> </ul> </li> </ul> <p><b>Standard accessories and consumables to o be provided free of cost during warranty and CAMC</b> <b>Warranty for 2yrs</b></p>	
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**ANNEXURE XIII (E-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (E)**

<u>Si No</u>	<u>Specification</u>	<u>Qty</u>
<u>1</u>	<b><u>Binocular Microscope (Electric) :-</u></b> <ul style="list-style-type: none"> <li>➤ Binocular Compound Microscope with Infinity Optical</li> </ul>	100

	<p>System (IOS)</p> <ul style="list-style-type: none"> <li>➤ Illumination: Koehler Illumination system with Built-in 6V-20W Halogen with intensity control regulator.</li> <li>➤ Focusing Module: COAXIAL coarse &amp; fine focusing mechanism, with tension control ring. Ergonomically designed for easy grip, esp. for tension control.</li> <li>➤ Nosepiece: Inward Tilt Low friction &amp; fully Parfocal Quadruple Revolving nosepiece (Ball bearing type).</li> <li>➤ Viewing Head: Siedentopf Binocular tube, inclined at 30° rotatable through 360° with IPD 48-75 mm and Dioptric adjustment. Anti fungus treated</li> <li>➤ Stage: Double layer graduated mechanical rectangular stage size 142 x 133mm cross travel 75 (X) x 50 (Y) mm on ball bearing co-axial controls spring clip double specimen holder Condenser</li> <li>➤ Moveable ABBE Condenser, NA 1.25 with aspheric lens. Iris diaphragm special day light blue filter in holder</li> <li>➤ Objectives IP series DIN Infinity Plan Achromatic, Anti fungus treated objectives: 4x/0.10, 10x/0.25, 20x/0.40, 40x(SL)/0.65, 100x(SL, Oil)/1.25</li> <li>➤ Eyepieces: Wide Field eyepiece WF 10x/18mm paired with eye guards Power Input 220V AC, 50Hz as per ISO 9001, CE standards.</li> <li>➤ Standard Accessories: Packed in Moulded Styrofoam box with: Operation Manual, Cleaning Cloth Dust cover</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<p><u>2</u></p>	<p><b><u>Haemoglobinometer :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Fast &amp; precise measure of Hemoglobin and Hematocrit in whole blood.</li> <li>➤ Should have an option of Hematocrit value in case of normal Hb limit</li> <li>➤ Measurement at two wavelengths, 570 nm &amp; 880nm</li> <li>➤ The machine should have an option of setting the cut off range of flag the extremely higher and lower values.</li> <li>➤ Should have user friendly Graphical Touch Screen Panel.</li> <li>➤ Analyzer automatically stores up to 100 results with date, time and sex</li> <li>➤ Automatic self-test</li> <li>➤ Measuring range 0-256 g/L (0-25.6 g/dl,0-15.9 mmol/L)</li> <li>➤ Measuring time- Less than 60 secs</li> <li>➤ Analyzer should have in-built re chargeable battery with 3100 hrs back up.</li> <li>➤ 4Quality control Curvettes to be provided for QA.</li> </ul>	<p><b>147</b></p>

	<ul style="list-style-type: none"> <li>➤ P5C and printer connectivity option</li> <li>➤ Calibrated against the international reference method for heamoglobin determination.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<u>3</u>	<p><b><u>Glucometer with 100 Strips:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Biosensor/ Electrochemical, Glucose Oxidised (GOD) method</li> <li>➤ Sample type should be fresh whole blood (capillary). Primary site should be finger tips and alternative site should be Forearm &amp; Palm.</li> <li>➤ Hematocratic range is 30 – 55%.</li> <li>➤ Individually foil wrapped test strips/ strips in vial pack should be available – each strip should be protected from contamination, oxygen, high temperature and high humidity to ensure stability and high performance.</li> <li>➤ Wide range operation temperature. The temperature detection and compensation feature should allow ranges of 10-45°C. Operating humidity range is 10-90 %.</li> <li>➤ Meter should include lithium battery life up to 1000 measurements.</li> <li>➤ Glucose test range from 20 – 600 mg/dL.</li> <li>➤ Great Data Management. Meter should record up to 300 tests with time, date. Test averaging 7,14,30 days average.</li> <li>➤ Extended expiry period for strips up to approximately 24 months</li> <li>➤ End fill strips with wicking action should make blood application as easy as touching the strip to the sample, along with fast sip-in action.</li> <li>➤ Sample just 1µl.</li> <li>➤ Test results should be able to be obtained in only 10 seconds.</li> <li>➤ Code chip should allow for automatic calibration.</li> <li>➤ Meter automatically should powered on or off after test strip inserted/ removed.</li> <li>➤ Beep sound should occur to notify the user when test strip inserted, sufficient blood sample is applied and when testing is completed.</li> <li>➤ Results should be plasma equivalent which can be compared directly with lab analyzer results if required.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>100</b>
<u>4</u>	<p><b><u>Water Bath:-</u></b></p> <ul style="list-style-type: none"> <li>➤ With electronic control , LED Display,</li> </ul>	<b>234</b>

	<ul style="list-style-type: none"> <li>➤ Button to set nominal value in 0.1°C.</li> <li>➤ Temperature Range 5°C above ambient room temperature to 100 °C,</li> <li>➤ External W : 500 X D: 250 X H: 300 mm (approx)</li> <li>➤ Bath Capacity: 20 Ltrs (Approx)</li> <li>➤ Temperature Accuracy: + 0.1 °C</li> <li>➤ Body of the equipment should be of material which is rust free from both inside and outside.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<u>5</u>	<p><b><u>Hot Air Oven:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Size: 45 x 45 x 45 cm</li> <li>➤ Door/Shelf: Single Door with 2 shelves constructed</li> <li>➤ To give uniform and adequate sterilizing temperature Range adjustable up to 200 °C with digital temperature Display, stainless steel and rust free.</li> <li>➤ Material: Door fitted on heavy brass chrome plated hinges</li> <li>➤ Cabinet: Cabinet double walled mild steel</li> <li>➤ Insulation: Minimum Thickness 5 cm of glass wool</li> <li>➤ Finish: Inside the cabinet heat resistant finish and Outside durable, rust free</li> <li>➤ Air Circulation: Ventilated with internal fans to assist Circulation of air</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>234</b>
<u>6</u>	<p><b><u>Lab Incubator:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Incubator Bacteriological (Memmert type) reliable day to day operation in variety of uses. Drying of slides, paraffin embedding, tissue culture work, incubation of antibody test, excellent for Microbiological determinations, crystallization studies and Incubation of hydroxy steroids.</li> <li>➤ Construction :- With double walled construction with complete inner chamber made of Anodized Aluminum or Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet, finished with powder coated paint. 75 mm gap between the walls is filled with special grade glass wool for proper insulation and to avoid heat losses. Inner chamber fabricated with ribs for adjusting shelves to convenient height.</li> <li>➤ Supplied with 2 or 3 removable shelves. SHELVES made of fully Anodized Aluminium Sheet or Polished Stainless Steel Sheet as per chamber.</li> <li>➤ Door insulated &amp; fitted with heavy hinges. Door Double glass window which facilitate inspection of samples</li> </ul>	<b>234</b>

	<p>without opening the door. Heating elements, made of high grade imported nichrome wire are put inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.</p> <ul style="list-style-type: none"> <li>➤ Temperature Control: – by imported capillary type thermostat from ambient to 80°C. Temperature control knob graduated in centigrade degrees after actually observing the temperature in steady state. fitted an L-shaped prismatic glass</li> <li>➤ Thermometer on top of the Incubator for reading the chamber temperature.</li> <li>➤ With Ventilation: – Control Panel having a thermostat control knob, ON/OFF switch and two pilot lamps.</li> <li>➤ Power Requirement: – Supplied with cord and plug suitable to operate on 220 V single phase, 50 Hz, AC supply.</li> <li>➤ Size of inner chamber:– Inner Chamber W x H x DS.S. (304 grade) 455 x 605 x 455 mm</li> <li>➤ Filled with Air Circulation Fan</li> </ul> <p><b>Warranty for 2yrs</b></p>	
7	<p><b>Domestic Refrigerator:-</b></p> <p><u>Capacity</u></p> <p>Gross Total : 195L Refrigerator : 195L</p> <p>Net Total : 185L Refrigerator : 185L</p> <p><b>Physical Specification</b></p> <p>Weight Net : 37kg Gross : 41kg</p> <p>Dimension Net (WxHxD) : 534 x 1,250 x 540mm Net Case Height with Hinge : 1,250mm Net Case Height without Hinge : 1,250mm Net Depth with Door Handle : 540mm Net Depth without Door Handle : 540mm</p> <p><b>Performance</b></p> <p>Energy consumption 255 watts</p> <p><b>Warranty for 2yrs</b></p>	48

<p><b><u>8</u></b></p>	<p><b><u>Vibration free refrigerator with servo voltage stabilizer:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Suitable for the primary requirements of every blood bank and hospital, to preserve and secure the vital supply of blood, plasma and other blood derivatives Mounted on a sturdy angle frame the inner chamber is made up of S.S. and outer of M.S. duly enamel painted. The temperature should be maintainable at 4° C to 6° C for storing blood bottles or blood bags. Temperature should be controlled by Solid State Digital Indicator-cum-controller which triggers the Audio Visual Alarm in the event of fluctuation exceeding permitted tolerance. Unit should also fitted with door operated alarm and power supply failure alarm, as a safety device. Drawers are to be provided for 85 bags. The refrigerator should be vibration-free and supplied with servo voltage stabilizer.</li> </ul> <p style="text-align: center;"><b>Warranty for 2yrs</b></p>	<p><b><u>40</u></b></p>
<p><b><u>9</u></b></p>	<p><b><u>Semi Auto Analyzer :-</u></b></p> <p><b><u>Specifications:-</u></b></p> <ul style="list-style-type: none"> <li>➤ LIGHT SOURCE: Quartz-halogen lamp 12V-20W</li> <li>➤ WAVELENGTH RANGE: Automatic by 12 position filter wheel/static photometer, 6 standard interference Filters; 340-620 nm,+2 optional position (Max-8filters)6 positions for optional Filters.</li> <li>➤ PHOTOMETRIC RANGE: -0.1 to 2.3 Absorbance.</li> <li>➤ DETECTOR: Photo Diode (320 – 1000 nm)/Filters</li> <li>➤ BLANKING: Automatic zero setting.</li> <li>➤ OPERATOR INTERFACE: Membrane keyboard for direct function and alpha-numeric entry, Optional external keyboard, High contrast graphical LCD display. Real time clock, 24 hours system.</li> <li>➤ LANGUAGES: English.</li> <li>➤ MEASUREMENT PROCEDURES: Kinetic with linearity check, Kinetic with linearity check, Sample slope blank, two point kinetic with or without Reagent blank, End point with or without reagent blank, Bichromatic end point with or without reagent blank, End point with sample blank &amp; with or without reagent Blank.</li> <li>➤ MULTIPLE TESTING: Up to 9 replicates, Means, SD and CV/repeat measurement by Red Keys &amp; quality control with Mean SD.</li> <li>➤ MEASURING TIME: Programmable, 2 to 999 seconds for kinetic &amp; two point type of tests, For end point fixed at 2 seconds.</li> <li>➤ DELAY TIME: Programmable, 0 to 999 seconds/5-999seconds</li> </ul>	<p><b><u>50</u></b></p>





	<b>8 Channel Micropipette</b> a. 10 µl – 100/200 µl b. 100 µl – 300 µl <b>Warranty for 2yrs</b>	
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ANNEXURE XIII (F-Rev1)

SPECIFICATIONS & DETAILS OF ITEMS  
GROUP (F)

<u>Si</u> <u>No</u>	<u>Specification</u>	<u>Qt</u> <u>y</u>
<u>1</u>	Radiant Warmer :-	<u>50</u>

	<p><b>OPEN NEWBORN CARE SYSTEM ON TROLLEY,WITH RADIANT WARMER, OXYGEN-PROVISION</b></p> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>➤ Mobile newborn resuscitation table with fixed-height radiant warmer</li> <li>➤ Antistatic castors, 2 with breaks</li> <li>➤ Table surface with mattress, head up/down facility, X-Ray cassette holder.</li> <li>➤ Mattress-padding: foam density approx. 21 - 25 kg/m<sup>3</sup></li> <li>➤ Mattress cover should be sealed and waterproof.</li> <li>➤ Side rails allow for mounting of accessories with SS Height adjustable infusion rod.</li> <li>➤ Hood suspended above the table integrates heating element and overhead spot light</li> <li>➤ Integrated support for two 10 L oxygen bottles</li> <li>➤ Heating element: Ceramic heater - 650 W (lifelong warranty) mounted in parabolic reflector and protected by metal grid Control unit allowing air and skin temperature preset (LED indicator) and drives radiant heater output (Skin Servo OR Air control OR manual mode)</li> <li>➤ Integrated timer: 1 to 59 min, with count-up and count-down feature</li> <li>➤ Temperature range, skin: 34 to 38°C (user pre-settable)</li> <li>➤ Monitoring of skin temperature by means of sensor, range: 30 to 42°C</li> <li>➤ Heater output: 0 to 100% in increments of 5%</li> <li>➤ Control unit: audiovisual alarms according to timer and temperature preset avoiding overheating</li> <li>➤ Should be able to display reports systems errors, sensor failure with message on LCD.</li> <li>➤ Power requirement: 220 V/50 Hz</li> <li>➤ Power consumption: 800 W</li> </ul> <p><b>Should be supplied with:</b></p> <p>1 x spare skin temperature probe (including connection cable)  2 x empty 10 L oxygen cylinders  1 x spare set of fuses  User manual with trouble shooting guidance, in English.  Technical manual with maintenance and first line technical intervention instructions, in English  List of priced accessories  List of priced spare parts  List with name and address of technical service providers in India</p> <p><b>Warranty for 2yrs</b></p>	
<u>2</u>	<p><b>PHOTOTHERAPY UNIT, SINGLE HEAD, HIGH INTENSITY :-</b></p> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>➤ Heavy sturdy mobile stand phototherapy unit</li> </ul>	50

	<ul style="list-style-type: none"> <li>➤ Antistatic castors, 2 with breaks</li> <li>➤ Head height adjustable, approx.: 0.95 to 1.40 m</li> <li>➤ Blue light, 4 Compact Fluorescence Tubes (CFL), approx.: 20 W</li> <li>➤ White light, 2 Compact Fluorescence Tubes (CFL), approx.: 20 W</li> <li>➤ Tubes are to be protected by grill</li> <li>➤ Irradiance at skin level, &gt; 25 uW/cm<sup>2</sup>/nm</li> <li>➤ Wavelength: 420 to 500 nm, with highest intensity at 470 nm</li> <li>➤ Integrated cumulative Dual Digital timer for Tube light usage and Patient</li> <li>➤ Power requirement: 220 V/50 Hz</li> <li>➤ Power consumption: 250 W</li> </ul> <p><b>Should be supplied with:</b>  2 x spare blue CFL tubes  1 x spare white CFL tube  1 x spare set of fuses  User manual with trouble shooting guidance, in English  Technical manual with maintenance and first line technical intervention instructions, in English  List of priced accessories  List of priced spare parts  List with name and address of technical service providers in India</p> <p><b>Warranty for 2yrs</b></p>	
<p><u>3</u></p>	<p><b><u>Oxygen Concentrator:-</u></b></p> <ul style="list-style-type: none"> <li>➤ With in-built oxygen purity sensor.</li> <li>➤ If the oxygen purity comes down below 85% audio visual alarm gets activated.</li> <li>➤ Oxygen Concentrator to provide oxygen from air with Oxygen purity monitor.</li> <li>➤ Sound Level ≤ 47 Db with best quality superior grade molecular sieve, maintenance free</li> <li>➤ Oxygen purity not less than 90-96% with oxygen output 5 Ltrs per minute and pressure 8 Psi minimum. With double outlet and oxygen tubes of 2 mtrs length. 2 Humidifier Bottle &amp; 2 Cabinet filter.</li> <li>➤ Power Requirement 220V/ 50Hz.</li> </ul> <p>Supplied with:  1 Spare set of tubing  1 x spare internal &amp; external bacterial filter  1 x spare set of fuse.  User Manual with trouble shooting guidance in English  Technical Manual</p> <p><b>Warranty for 2yrs</b></p>	<p>50</p>

<p><b>4</b></p>	<p><b><u>Infantometerplexi, 3½ft/105cm:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Portable baby/infant length- height measuring system</li> <li>➤ Measures laying length of neonates and babies</li> <li>➤ Reads in centimeters and inches</li> <li>➤ Minimum graduation: 1 mm</li> <li>➤ Long-lasting hard-wearing ruler/graduation is fully integrated with device</li> <li>➤ Measuring slide/wedge glides smoothly and close via ruler, avoiding reading parallax</li> <li>➤ Measuring slide/wedge wobbles max 2 mm, over full length</li> <li>➤ No sharp edges or corners</li> <li>➤ Long stable board, width: ca 30 cm</li> <li>➤ Length, measurement range, approx:min100 cm</li> <li>➤ Head/footplate, board and slide/wedge should made of quality laminated wood or plastic</li> <li>➤ Wood parts should be treated and finished/protected with varnish to prevent chipping of edges and allow easy cleaning; all connections should screwed/nailed plus glued</li> </ul> <p><b>Warranty for 2yrs</b></p>	<p><b>50</b></p>
<p><b><u>5.</u></b></p>	<p><b>Electronic Baby Weighing Machine 10 kg &lt;5g&gt; :-</b></p> <ul style="list-style-type: none"> <li>➤ Electronic scale for weighing babies <b>with Polycarbonate Pan</b></li> <li>➤ Measuring range 0 to approx. 10 kg</li> <li>➤ Minimum graduation: 5 g</li> <li>➤ With tare function</li> <li>➤ On switch and auto-off</li> <li>➤ Auto-calibration with each switch-on</li> <li>➤ Large LED display readable in low light working situations, display cover durable plastic</li> <li>➤ Display in kg and lbs., easy switch between kg and lbs.</li> <li>➤ Reading time max 5 seconds</li> <li>➤ Zero weighing adjustment</li> <li>➤ <b>Temp Hold Facility</b></li> <li>➤ Smooth surface/finishing allows for easy cleaning/disinfection.</li> <li>➤ All vital parts made of rust proof materials</li> <li>➤ Horizontal leveling with height adjustable feet</li> <li>➤ Splash proof and shock resistant light-weight body</li> <li>➤ Power requirements: 220 V / 50 Hz</li> <li>➤ <b>Supplied with:</b></li> <li>➤ 1 x spare set of fuses <ul style="list-style-type: none"> <li>▪ User manual with trouble shooting guidance, in English</li> <li>▪ Technical manual with maintenance and first line technical intervention instructions, in English</li> </ul> </li> </ul> <p><b>Warranty for 2yrs</b></p>	<p><b>50</b></p>

<p><u>6</u></p>	<p><b><u>Pulse Oxymeter (Baby):-</u></b></p> <ul style="list-style-type: none"> <li>➤ Should have facility to display PR &amp; SpO2 as standard parameter and within built rechargeable battery backup of at least 2 hours of operation.</li> <li>➤ Color TFT display of size 4 inch or more</li> <li>➤ Should have reliable and proven SpO2 technology to sense the SPO2 in hypotensive, shivering &amp; motion condition, facility</li> <li>➤ Should be able to store &amp; display at least 24 hrs of trends</li> <li>➤ Suitable for monitoring adult, Pediatric &amp; neonatal patients, able to give visual &amp; audible alarms</li> <li>➤ Should have low battery indicator</li> <li>➤ Should have optional CNS connectivity</li> <li>➤ Should have Real Time clock</li> </ul> <p><b><i>Warranty for 2yrs</i></b></p>	<p>50</p>
<p><u>7</u></p>	<p><b><u>Syringe Infusion Pump :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Fully Microprocessor controlled</li> <li>➤ Mains cum battery operated with built in battery and charger</li> <li>➤ Should accept syringe size from 10ml to 60ml</li> <li>➤ Should have Micro mode and continuous injection mode</li> <li>➤ should be compatible with all major Indian and Foreign brand syringes</li> <li>➤ Should have flow rates from 1ml / HR to 1200 ml/HR</li> <li>➤ Should have high accuracy</li> <li>➤ Should have adjustable bolus facility</li> <li>➤ Bolus rate up to 1000ml/HR with 50/60ml syringe</li> <li>➤ Should have 3 level occlusion pressure setting</li> <li>➤ Should have audio visual alarm</li> <li>➤ Should have battery backup up to 4 Hrs.</li> <li>➤ should have anti reverse function to prevent upstream</li> <li>➤ should have double CPU to ensure safety and reliability of infusion</li> </ul> <p><b><i>Warranty for 2yrs</i></b></p>	<p>50</p>
<p><u>8</u></p>	<p><b><u>C-PAP :-</u></b></p> <p>Should be suitable for neonatal patients.</p> <ul style="list-style-type: none"> <li>➤ Should provide flows of a heated and humidified Air and O2 mixture under controlled pressure, by water and bubble column, providing a Continuous Positive Airway Pressure in non-invasive mode. Should have good quality calibrated blender for mixing of Air and Oxygen US FDA approved. It should have digital temperature indicating with at least 10 heating levels. Humidifier should have water level sensor with audio visual alarms and pressure relief valves. When an occlusion pressure occurs in the inspiratory branch, the circuit relief valve should limit the pressure excess in the line. It</li> </ul>	<p>50</p>

	<p>should be designed to operate with a pressure of 17cmH<sub>2</sub>O at flow of 5L/min. It should have O<sub>2</sub> and Air pressure regulator valves with manometer to control the input pressure up to 3.5Kgf/cm<sup>2</sup> and to protect the patient circuit. Blender output should be equipped with a flow meter. Should have relief valve to guarantee pressure to the system. Delivery system should have maximum input flow of 15l/min. CPAP pressure minimum should be 0 to 10 cmH<sub>2</sub>O. FiO<sub>2</sub> concentration should be adjustable from 21% to 100%. All parts should be managed on a strong trolley type stand along with an IV pole. Temp. sensor which is to measure the temp. of the humid air should not be more than 2 inches away from the patients nostrils. The supply should be made with 5 kits with the BCPAP. The delivery kit should contain all the consumables needed for BCPAP.</p> <ul style="list-style-type: none"> <li>➤ All standard accessories and spares to be provided free of cost during warranty and CAMC period</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<p><b><u>9</u></b></p>	<p><b><u>Baby Incubator:-</u></b></p> <ul style="list-style-type: none"> <li>➤ The unit shall be useful for treating premature and low birth weight babies.</li> <li>➤ The salient features to include maintenance and control of temperature and Humidity in the baby compartment for safe neonatal care.</li> <li>➤ The design to incorporate all controls include microprocessor based servo controller for temperature control and to have digital display on the front panel, with dual colour digital display for Skin and Air temperature indication separately.</li> <li>➤ Temperatures setting from 30°C to 39.9°C.</li> <li>➤ The unit shall be incorporated with all the safety features on any malfunction or emergencies like power failure, High temperature etc.</li> <li>➤ The mechanical features should include clear canopy for visibility with front door opening and four port holes all over for easy handling of the baby in the canopy, flat perplex base without any dents for easy cleaning and disinfection control to be provided with a large mattress platform, suitable to tilt a desired angle, built in X-ray cassette tray.</li> <li>➤ The unit shall be mounted on a trolley fitted with suitable castors with breaks for the mobility and to have utility drawers for storing the emergency kits, baby needs and accessories.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<p><b>50</b></p>
<p><b><u>10 .</u></b></p>	<p><b><u>Nebuliser :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Nebulizer Nebulization Rate: 3cc H<sub>2</sub>O/8-11 minutes.</li> </ul>	<p><b>50</b></p>

	<ul style="list-style-type: none"> <li>➤ Maximum Compressor Pressure: 25 psig by relief valve setting.</li> <li>➤ Maximum Operating Pressure : 11-15 psig</li> <li>➤ Free Air Flow: 10 lpm.</li> <li>➤ Compressor Type: Piston</li> <li>➤ Electrical Requirements: 230V , 50 Hz-0.7 amps</li> <li>➤ Power Consumption : 70 watts</li> <li>➤ Weight: 1.3 kgs</li> <li>➤ In built thermal fuse for optimum safety</li> </ul> <p><b>Warranty for 2yrs</b></p>	
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**ANNEXURE XIII (G-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (G)**

<b>Si</b>	<b>Specification</b>	<b>Qty</b>
<b>1</b>	<p><b>Shadow less Light min 19" dome. :-</b></p> <ul style="list-style-type: none"> <li>➤ Lamp mounted on four legs heavy duty base fitted with 75mm dia castors</li> </ul>	<b>50</b>



	<ul style="list-style-type: none"> <li>➤ 2 Halogenbulbs of 24V – 50W/LED BULBS are used. 1 for main and other as backup</li> <li>➤ Light Intensity 90000 lux +/- 10%</li> <li>➤ Color Temp 4300 k</li> <li>➤ Light field diameter 120mm or more</li> <li>➤ Dome Diameter MIN19"</li> <li>➤ Power Supply AC 220-230V/50-60 HZ</li> </ul> <p><b>Warranty for 2yrs</b></p>	
2	<p><b>Feotal Doppler-</b></p> <ul style="list-style-type: none"> <li>➤ should be portable with a carry bag</li> <li>➤ should be able to work on mains as well as on 9volt single battery</li> <li>➤ should have ear phone facility</li> <li>➤ should have heart beat indicator</li> <li>➤ should have totally soft touch panel</li> <li>➤ should have battery indicator</li> <li>➤ Should possess low battery indicator</li> </ul>	50
3	<p><b><u>Electric Suction Machine:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Suction machine foot cum electric model with 2 separate suction systems, electric &amp; cabinet made of mild steel epoxy powder coated, with 2 vacuum gauges 700 mm/Hg</li> <li>➤ Volume: 25-30 Ltrs/min (Jar Capacity 3 Ltrs), 2 graduated polycarbonate suction jars each of 1.5 ltrs capacity self sealing rubber lids with synthetic rubber lids, long pressure tubing, heavy vertical foot pump, vacuum control , automatic overflow cut off device, mounted on 4 rubber castors.</li> <li>➤ Sound: 45 db A+ 3</li> <li>➤ As per ISI Marked No. IS: 4533, SS Top, Epoxy Powder Coated Finish</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
4	<p><b><u>ECG Machine with adult, paediatric and neo natal leads:-</u></b></p> <p><b>Technical Specification of Three Channel Automatic ECG</b></p> <ul style="list-style-type: none"> <li>➤ Three Channel ECG Recording with interpretation</li> <li>➤ Last Memorized ECG recording &amp; additional copies available.</li> <li>➤ Automatic and Manual recording modes.</li> <li>➤ Dual Power Supply: Mains and battery Operation.</li> <li>➤ Thermal Printing on 50 mm paper.</li> <li>➤ Compact design, light weight&amp; portable.</li> <li>➤ Digital Display</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
5	<p><b><u>Ceiling OT Light (shadowless)</u></b></p> <ul style="list-style-type: none"> <li>➤ The multi – reflector shadow less ceiling Lights should be used halogen/LED lamps with heat observe filters to give</li> </ul>	100

	<p>“cold” with light, which should be ideal for modern surgeries,</p> <ul style="list-style-type: none"> <li>➤ <b>Technical Data</b></li> <li>Intensity (In Lux): - min130,000</li> <li>Colour Temp.: - 4300K</li> <li>Halogen Bulb: - 7 x 24V-50W/7X12V-50Watt</li> <li>Light Field Diameter: - 120mm or more</li> <li>Dome Diameter: - 710mm</li> <li>Input Voltage: - AC 220-230/50-60HZ</li> </ul> <p><b>Warranty for 2yrs</b></p>	
6	<p><b><u>Boyles Apparatus with vaporiser and standard accessories</u></b></p> <ul style="list-style-type: none"> <li>➤ The Anesthesia Machine should be of min. 2 Gases with 2 tubes Hypoxic Guard Including Circle Absorber.-</li> <li>➤ Machine must be made of rigid &amp; electro statically powder coated steel with antistatic Castors with front brakes.</li> <li>➤ Machine should be equipped with min.2 Nos. High Pressure outlets for driving ventilator.</li> <li>➤ Machine must have Oxygen Flush with 32 to 59 LPM flow or better.</li> <li>➤ The machine must have flow meter for oxygen and nitrous oxide supply with adjustment controls. Oxygen Flow meter can be calibrated from 100 ml to 8 Liters and for Nitrous Oxide from 200 ml to 12 liters per min.</li> <li>➤ Machine should have pneumatically controlled integrated Hypoxic Guard/ORC ensuring that a minimum range of 25%-35% oxygen can be run through the machine as per requirement (25% can be set) .</li> <li>➤ The machine must have inbuilt Oxygen Failure Warning Alarm.</li> <li>➤ Machine must have a common gas outlet Male and Female Type, size to specify.</li> <li>➤ Machine should have provision for connection to pipeline supply for Oxygen and Nitrous Oxide Supply. Once pipeline supply is turned on machine should be able to use pipeline supply and cylinders supply be kept as reserve and incase of pipeline failure only cylinder supply can be turned on. Separate indication gauges for Pipeline and Cylinder Pressure.</li> <li>➤ Machine must have a system pressure relief valve to protect from backpressure. The valve set at normal pressure of 200 cm of H2O.</li> <li>➤ Provision for mounting min.2 Nos of Bulk Cylinders on the extended rear platform &amp; top tray for mounting monitor at eye level.</li> <li>➤ Machine has gas specific pin indexed cylinder yokes with sliding stainless steel clamping bars for easy handling. Two each for oxygen and nitrous oxide cylinder with 5 liters capacity.</li> </ul>	50

	<ul style="list-style-type: none"> <li>➤ There should be individual pressure regulator on each circuit output phase of 4 kg/cm<sup>2</sup> and Capable of delivering low flow Anesthesia</li> <li>➤ Provision for mounting of ventilator on the side, writing table and pre-use operative checklist and two closed drawer for keeping essential accessories.</li> <li>➤ Machine must be supplied with twin canister circle absorber. The absorber has switch control to switch between Automatic and Manual mode of ventilator.</li> <li>➤ One Set of Essential Accessories with item wise rate should be quoted as option without which the quotation will be rejected.</li> <li>➤ The supplier has adequate service backup with service, availability of on-self spares and calibration equipment in north east.</li> <li>➤ Vaporizer for Halothane/ Isoflurane to be compulsorily quoted as optional.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<b>7</b>	<p><b>Defibrillator.-</b></p> <ul style="list-style-type: none"> <li>➤ Should have Current controlled Biphasic waveform technology</li> <li>➤ Should have a facility of at least 100 charge /Discharge of 300j/150charges in a 200joules in a single charge</li> <li>➤ Should be equipped with AED with Voice and Visual Prompts</li> <li>➤ There should be facility of Voice guided CPR(Optional)</li> <li>➤ At least 24 events storage capacity</li> <li>➤ Should have a facility of Momentary AED ON/OFF key on front panel to enter and exit AED mode</li> <li>➤ Energy selection dynamic range should be up to 200jor above in AED &amp;Manual Mode.</li> <li>➤ Should be able to record ECG before and after shock</li> <li>➤ Should have thermal printer facility</li> <li>➤ Should have ECG R wave Synchronous or Asynchronous Mode</li> <li>➤ Should have charge ready indication with Display and Voice Command</li> <li>➤ Should have Adult and Pediatric paddle integrated into Same Handle (Swipe to Expose)</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>89</b>
<b>8</b>	<p><b><u>Surgical Diathermy:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Modular design, Integrated Patient Control System (PCS).</li> <li>➤ Independent activation of mono polar and bipolar output.</li> <li>➤ Should have time controlled cutting mode</li> <li>➤ Should allow mono polar cutting and coagulation by using both foot switching.</li> <li>➤ Should have bipolar coagulation option.</li> </ul>	<b>75</b>

	<ul style="list-style-type: none"> <li>➤ The system should automatically adjust to given tissue impedances.</li> <li>➤ Mono polar Pure cut should be suitable for under water cutting (TURP, TUVP &amp; TCRE) with URO-CUT, which eliminates lag time in initiating cut especially suited for urological procedure.</li> <li>➤ Three Blend – modes (program)</li> <li>➤ Low Cut – Endocut (Gastrocut) – for G.I Surgery</li> <li>➤ Should have Monopolar coagulation –Soft mode (lap, desiccation) Forced mode (Standard), Spray mode (for non contact large area).</li> <li>➤ a)Desiccation/Soft – for low voltage soft coagulation suitable for laproscopic&amp; delicate tissue work.</li> <li>➤ b)Fulgurate/Forced – non contact coagulation for minimal smoke generation</li> <li>➤ c)Spray for non-contact large tissue area coagulation with minimum depth of necrosis</li> <li>➤ Should have Bipolar- Micro (for delicate tissue without charring, adhesion and blanching), Coagulation (high current low voltage pulsed bipolar, also suitable for vessel sealing system</li> <li>➤ Range of accessories should provide extensive selection of handles for various application e.g. needle, ball, spatula type.</li> <li>➤ Accessories- Ergonomically designed trolley to house cautery (Small,. Light and Portable), Monopolar cord (at least 6), bipolar cord (at least 6) selection of handles, footswitches (all other standard accessories).</li> <li>➤ bipolar cord (at least 6) selection of handles, footswitches (all other standard accessories).</li> </ul> <p><b>Warranty for 2yrs</b></p>	
9	<p><b><u>Fumigation Machine 5 Ltr capacity:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Specification:-</li> <li>➤ Max. height : 390 mm , Weight : 8.5 kg (Approx.)</li> <li>➤ Atomizing Capacity : 30-50 ml/min</li> <li>➤ Should be available with timer.</li> </ul> <p><b>Warranty for 2yrs</b></p>	20
10	<p><b><u>Horizontal Sterilizer:- Capacity – 600 X 600 X 500mm</u></b></p> <ul style="list-style-type: none"> <li>➤ Inner Chamber should be made up of thick S.S steel of 304 / 316 quality and jacket is made out of rolled S.S.</li> <li>➤ Single door should be made of rolled steel lined with S.S. sheet has radial locking system.</li> <li>➤ All units is to be hydraulically tested up to 40 psi. The space between outer cover made of thick rolled steel sheet and the steam jacket filled with mineral wool. Boiler should make of thick S.S. sheet and is located under the sterilizer. It should be</li> </ul>	20

	<p>fitted with water level indicator, safety valve, pressure gauge, and water inlet and drain valves. Unit to be fitted with low-water cut-off device and automatic pressure control device.</p> <ul style="list-style-type: none"> <li>➤ Fitted with self-locking safety door device.</li> <li>➤ Two separate valves should be provided for evacuating steam from inner chamber and jacket, as and when desired. The sterilization cycle should be controlled through multiport valve or three-way valve. Fitted with a dial thermometer and automatic vacuum breaker. To work on 440 volts, 3 phase, A.C. supply.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
11	<p><b><u>Vertical Autoclave with dressing drum:-</u></b></p> <ul style="list-style-type: none"> <li>➤ It is to be used for sterilization under saturated steam pressure at any selected point between 5 to 20 p.s.i. (adjustable). Should have double walled units with inner chamber (Boiler) made of 18 S.W.G. stainless steel and outer chamber is made of SS sheet covered with S.S. Lid with radial locking system. Fitted with neoprene rubber gasket, all systems are hydraulically tested up to 40 p.s.i. as a safety measure. All autoclaves are to be fitted with standard accessories such as water level indicator, pressure gauge, steam release cock, spring-loaded safety valve and heating element. Should be supplied complete with S.S. basket and vacuum breaker device, cord and plug, to work on 220/230 volts A.C. Supply. Capacity: 20, 40, 50, ltr. Should be Supplied with dressing drum.</li> </ul> <p><b>Warranty for 2yrs</b></p>	20
12	<p><b><u>Examination Light:-</u></b></p> <p><b><u>Description of Function:</u></b></p> <ul style="list-style-type: none"> <li>➤ Mobile operating light is required for doing surgeries in an emergency environment and the system can be moved from place to place.</li> </ul> <p><b><u>Technical Specification:</u></b></p> <ul style="list-style-type: none"> <li>➤ Mobile light for medical examination.</li> <li>➤ Stand with 5 anti-static swivel castors.</li> <li>➤ Articulated arm 105 cm, spring loaded, with on/off switch and integrated transformer.</li> <li>➤ Arm: Moulded plastic arm.</li> <li>➤ Dome: Unbreakable poly carbonate dome with reflector.</li> <li>➤ Dome rotation : 360 degree</li> <li>➤ Halogen bulb: 12V/50W</li> <li>➤ Light intensity approx.: 30,000 Lux at 40 cm Natural white light.</li> </ul> <p><b>/Warranty for 2years</b></p>	50
13	<p><b>Foot Suction :-</b></p>	50

	<ul style="list-style-type: none"> <li>➤ Max negative pressure valve : &gt; 0.08MPa</li> <li>➤ Negative Pressure Back-reduction while being closed.</li> <li>➤ &lt;0.005MPa/10 min</li> <li>➤ Reservoir Capacity :- 1000 ml</li> <li>➤ Pedal Pressure : &lt; 245 N</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<b>14</b>	<p><b><u>Patient monitor system:</u> (Should be of modular type and capable of monitoring adult, pediatric &amp; neonatal patients.)</b></p> <ul style="list-style-type: none"> <li>➤ Monitor should have minimum 12" T.S. display or better.</li> <li>➤ Should be capable of 6 traces display.</li> <li>➤ Monitor must be capable of simultaneously monitoring the</li> <li>➤ Following parameters which should be present as standard: ECG, NIBP, SpO2, Temperature &amp; Respiration, should have built in arrhythmia monitoring on all leads.</li> <li>➤ Inbuilt ST segment analysis and arrhythmia detection for all the leads should be possible.</li> <li>➤ Hemodynamic and drug dose calculations should be available.</li> <li>➤ Arrhythmia should be grouped based on classifications – and should show no of arrhythmias occurred.</li> <li>➤ Respiration should be available with Cardio Vascular Artifact filter.</li> <li>➤ ICP monitoring should be possible.</li> <li>➤ Alarm parameter should flash red in the presence of high priority</li> <li>➤ alarms (e.g. ventricular fibrillation and asystole) and flash yellow in the presence of medium or low priority alarms (e.g. noisy signal, etc.)</li> <li>➤ 24 hours trend data should be displayed.</li> <li>➤ All monitors including central station should have similar user interface for easy usage among all clinicians.</li> <li>➤ Monitor shall provide the capability to receive and display real-time waveforms, trended data and alarm status from other bedside or telemetry units on the patient monitoring network.</li> <li>➤ Monitor shall provide the capability to enter patient information at the bedside or central monitor.</li> <li>➤ Alarm limit status (ON/OFF) must be indicated on-screen for each parameter and actual parameter alarm settings must be displayed on-screen when alarms are on.</li> <li>➤ Should have internal rechargeable battery with back up of one hour</li> <li>➤ Position of the displayed waveforms must be user configurable.</li> <li>➤ Waveform color changing should be user configurable.</li> <li>➤ Monitor shall permit the optional ability to receive and</li> </ul>	<b>40</b>

	<p>display information from other patient devices such as ventilators, infusion pumps and other standalone devices.</p> <ul style="list-style-type: none"> <li>➤ All modules should be compatible with all monitors quoted.</li> <li>➤ Networking to central station should be possible.</li> <li>➤ Patient monitoring network shall use standard TCP/IP protocol and be capable of residing on hospital's network infra-structure.</li> <li>➤ Should be compatible with HIS and should be HL7 compliant.</li> <li>➤ <b>Accessories and spares</b></li> <li>➤ ECG / respiration: 5 lead ECG cable and lead wire set</li> <li>➤ NIBP: Adult: 1 sizes and Pediatric 1 sizes and neonatal, 1 size per monitor</li> <li>➤ SPO2 Sensor: Adult sensor with cable, pediatric sensor with cable</li> <li>➤ IBP: Include 10 no's of disposable pressure transducer with bracket and interface cable per monitor</li> <li>➤ Temperature: Skin and nasopharyngeal probes per monitor.</li> <li>➤ <b><i>The standard accessories ,spares &amp; consumables should be supplied free of cost during warranty &amp; CAMC</i></b></li> </ul> <p><b><i>Warranty for 2yrs</i></b></p>	
15	<p><b><u>Spot Light</u></b></p> <ul style="list-style-type: none"> <li>➤ Intensity: min 20000 ± Lux</li> <li>➤ Halogen Bulb: 12V – 50 W</li> <li>➤ Reflector: Metallic</li> </ul> <p><b><i>Warranty for 2yrs</i></b></p>	337
16	<p><b><u>Field Type OT Table:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Size 72" X 27" X 30" frame made of heavy tubular steel with Strong mechanism for height adjustment. Stainless steel top in Sections. Detachable leg side complete with anesthetist screen Lithotomic rods with straps &amp; arm rest.</li> <li>➤ Weight bearing capacity-150 kg</li> </ul> <p><b><i>Warranty for 2yrs</i></b></p>	50
17	<p><b><u>Hydraulic OT Table :</u></b></p> <ul style="list-style-type: none"> <li>➤ Five Section Stainless steel top S.S. covered base with auto-locking Device,</li> <li>➤ Complete with all standard Accessories including water proof mattress.</li> <li>➤ Overall size: 72" x 20" x 32"</li> <li>➤ Height:- Fixed.</li> <li>➤ Range of positions:- Straight, trendelenburg&amp; reverse tredlenburg, chair, lithotomy positions.</li> <li>➤ Weight bearing capacity min-150kg</li> </ul>	197

**ANNEXURE XIII (H-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (H)**

<b>Si No</b>	<b>Specification</b>	<b>Qty</b>
<b>1</b>	<b><u>Patient's Examination Couch with Foot Step (Single):-</u></b> ➤ Overall approx. size should be 1830mm L x 500mm W x	<b>100</b>



	<p>820mm H. minimum</p> <ul style="list-style-type: none"> <li>➤ Fixed upholstered top 50mm thick in two sections.</li> <li>➤ Body frame work should be made from 20G CRCA sheet.</li> <li>➤ Couch should be fitted with mild steel legs.</li> <li>➤ Headrest adjustable by gas spring.</li> <li>➤ Upper section of box approx. size 1200mm L x 450 mm W x 610mm H with three sliding drawers with separate doors.</li> <li>➤ Sliding foot step under the front side of lower middle cabinet.</li> <li>➤ B.P. apparatus tray made of 18G MS sheet of approx. size 350 mm L x 120mm W x 20mm H provided on a swinging rod rotating through a bush fixed on the body of the couch. Supplied with Single Foot Step.</li> <li>➤ All MS parts should be pre-treated in Seven Tank &amp; Powder Coated.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
2	<p><b><u>Revolving Stool :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Overall all height adjustable Approx. Size: 480mm to 670mm H</li> <li>➤ Tubular four legs base of 25.4 x 18g ERW tube.</li> <li>➤ 300mm dia SS Top Height adjustment by screw mechanism.</li> <li>➤ The legs should be fitted with high quality PVC shoes with nylon reinforcement.</li> <li>➤ All MS Parts should be 7 tanks Pre-treated &amp; powder coated &amp; SS parts finished with glossy polish. Minimum 30 mm Cushioned top with waterproof rexine cover.</li> </ul> <p><b>Warranty for 2yrs</b></p>	200
3	<p><b><u>Invalid Wheel Chair:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Should be Folding type, made of mild steel tubular construction OD 22 mm.</li> <li>➤ With fixed arm rest and fixed aluminum foot rests with folding action.</li> <li>➤ Seat and back rest should be of superior quality leatherite.</li> <li>➤ Two rear solid rubber typed bicycle wheel, dia 24 inch with Self propelling hoops fitted with hand brakes. Two front swivel castor of 200mm chrome-plated finish.</li> </ul> <p><b>Warranty for 2yrs</b></p>	200
4	<p><b><u>Stretcher-on-trolley:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Made of SS 304 grade SS pipes. Overall approx size: 2130mm L x 560mm W x 810mm H. Frame work should</li> </ul>	200

	<p>be made of ERW CRCA tubes welded with vertical upright of 31.75 mm OD x 18G ERW tubes, reinforced at bottom with 35mm OD x 18G for fitting 150mm dia swivels castors wheels, all without brake. All horizontal stays should be made of 25.4mm OD x 18G tube. Stretcher made of 20 G sheet dished in the middle &amp; supported horizontally on 25.4mm OD x 18G tubes. Three additional 25 x 5mm flat supports welded to support MS sheet top from underneath widthwise. Pushing handle at both ends shall be made of 25.4 mm x 18G SS tube. Four stump legs of 25.4mm x 14G ERW tube should be welded at the bottom of the stretcher frame. Should be fitted with PVC or synthetic material having Nylon reinforced. All MS parts should be 7 tank pre-treated &amp; Powder Coated.</p> <p><b>Warranty for 2yrs</b></p>	
5	<p><b><u>Dispensing Table :-</u></b></p> <ul style="list-style-type: none"> <li>➤ MS Frame with SS top. 180 X 60 X 46 cm, Epoxy powder coated</li> </ul> <p><b>Warranty for 2yrs</b></p>	216
6	<p><b><u>Instrument Cabinet. :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Compact cabinet should be made of 3 sides close MS Sheet having polycarbonate door panel in the front.</li> <li>➤ Five adjustable 6.0mm polycarbonate shelves &amp; front lockable door with 4mm polycarbonate panel</li> <li>➤ Pre-treated and oven baked finish</li> <li>➤ Size : (H) 63" x (B) 24" X (D) 18"</li> </ul> <p><b>Warranty for 2yrs</b></p>	200
7	<p><b><u>IV Stand:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Made of 304 Grade SS pipes,</li> <li>➤ Moulded five-spiked base on 50 mm castors,</li> <li>➤ 304 Grade SS adjustable rod with double hook.</li> </ul> <p><b>Warranty for 2yrs</b></p>	200
8	<p><b><u>Dressing Trolley:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Should be made from SS 16SWG pipes having two SS Machine pressed dipped tops provided with four-side side railing, holder cage for bowl and bucket, SS bowl and bucket, push handle, on 10cms castors.</li> <li>➤ Dimension: 76 L x 46 W x 81 H cms.</li> </ul> <p><b>Warranty for 2yrs</b></p>	230
9	<p><b><u>Hospital Bed with Mattress :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Frame should be made of rectangular 16 G CRCA pipes, 18 G CRCA perforated sheet top, SS head and</li> </ul>	1500

	<p>foot bows should be fitted with laminated wooden boards, provided with mattress guard, provision for fixing IV/Saline rod, pre-treated in 7 Tank hot processes and powder coated. Dimension: 203 L x 90 W x 60 H cms. 4" Supplied with Foam Mattress covered with water proof rexine.</p> <ul style="list-style-type: none"> <li>➤ Single section Mattress with 4" thick PU Foam of 32 densities covered with PVC Rexine. .</li> <li>➤ Sealed stitches and water proof zip.</li> </ul> <p><b>Standard Accessories:</b> Mosquito net poles set.</p> <p><b>Warranty: 02 years</b></p>	
10	<p><b>ICU Bed. :-</b></p> <ul style="list-style-type: none"> <li>➤ Frame made of 16 G CRCA rectangular pipes, 18G CRCA sheet four section perforated top with back-rest, knee-rest, Trendelen-burg's and reverse Trendelen-burg's position, Hi-Lo (high-low) height adjustable (positions maneuverable by four separate screw mechanisms) imported ABS panels/head and leg bows, Aluminium Collapsible Side Rails, provided with one number IV/saline rod with provision for fixing IV/saline rod at four corners of the bed frame, 15 cms diameter swiveling castors which two with brakes. The bed is pre-treated in 7 tank hot process and powder coated. Dimension 203L x 90Wx 60-80 HCms (approx.)</li> </ul> <p><b>Warranty for 2yrs</b></p>	300
11	<p><b>Fowler Bed:-</b></p> <ul style="list-style-type: none"> <li>➤ Frame made of 16 G CRCA rectangular pipes, 18G CRCA sheet four section perforated top with back-rest, knee-rest maneuverable from foot-end by separate screws, imported ABS panels/head and leg bows, provision for fixing IV/saline rod at four corners of the bed frame, provided with mattress guard at four locations, the rod mounted on 10 cms diameter swiveling castors which two with brakes. The bed pre-treated in 7 tank hot process and powder coated. Dimension: 203 L x 90 W x 60 Hcms(Approx.)</li> </ul> <p><b>Warranty for 2yrs</b></p>	450
12	<p><b>Semi-Fowler Bed:-</b></p> <ul style="list-style-type: none"> <li>➤ Frame made of 16G CRCA rectangular pipes, 18G CRCA sheet two section perforated top with back-rest maneuverable from foot-end by screw, imported ABS panels/head &amp; Foot Bows, bed mounted on rubber stumps, provided with mattress guard on four</li> </ul>	450

	<p>locations, provision for fixing IV/Saline rod. The bed pre-treated in 7 tank hot process and powder coated. Dimension: 203L x 90 W x 60 H cms (Approx.).</p> <p><b>Warranty for 2yrs</b></p>	
13	<p><b>Bed Side Locker:-</b></p> <ul style="list-style-type: none"> <li>➤ Approximate dimension: 16" L x 16" W x 32" H.</li> <li>➤ Should be made of 20 G MS CRCA Sheet.</li> <li>➤ Should be Joint less SS top with 3 sides raise edges.</li> <li>➤ Should have one storage cabinet and one drawer under the top and space for keeping utilities between the drawer and cabinet.</li> <li>➤ Legs should be fitted with 2 non-rusting castors of 50mm dia and 2 PVC Stumps on front side.</li> <li>➤ 2 Rubber / PVC Buffer should be provided at rear side of the locker.</li> <li>➤ Pre-treated in seven Tank and Epoxy Powder Coated.</li> </ul> <p><b>Warranty for 2yrs</b></p>	1500
14	<p><b>Foot Step Double:-</b></p> <ul style="list-style-type: none"> <li>➤ Overall Approx. size: 510mm L X 300mm W x 230/450 H</li> <li>➤ First Step height should be 230mm approx.&amp; second step size 450mm approx. step should be made of 18G CRCA sheet. Welded on MS. Tubular frame of 25.4mm x 18G fitted with aluminum treated flats of size: 500mm L x 32mm W x 3 mm thick, fitted by aluminum pop rivet. The legs should be fitted with high quality PVC shoes with nylon reinforcement. All MS parts should be 7 tank pretreated &amp; powder coated.</li> </ul> <p><b>Warranty for 2yrs</b></p>	200
15	<p><b>Mayo's Instrument Trolley. :-</b></p> <ul style="list-style-type: none"> <li>➤ Overall Approx. Tray Size: 560L x 400W mm</li> <li>➤ Should be Adjustable height of tray Approx. 760 x 1270mm through gear handle</li> <li>➤ Frame work should be made of 50 x 30 x 1.22 mm rectangular M.S. Tubes.</li> <li>➤ Vertical Tube should be made of 50 mm x 50 mm x 1.22mm MS Tubes.</li> <li>➤ Tray should be made of 0.9mm thick S.S. 304 Grade sheet.</li> <li>➤ Tray frame should be made of 9mm SS Rod</li> <li>➤ Trolley should be mounted on 50mm dia non-rusting castors</li> <li>➤ MS Parts should be pre-treated in 7 tanks and powder coated.</li> </ul>	1000

	<b>Warranty for 2yrs</b>	
<b>16</b>	<p><b><u>Instrument Trolley</u></b> :-</p> <ul style="list-style-type: none"> <li>➤ Should be made of SS 16 SWG pipes/ 20 SWG two shelves, provided with three-side side railing on top, having four side-railing on bottom self, on 7.5cms castors. Dimension: 60L x 46W x 81H cm.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>230</b>
<b>17</b>	<p><b><u>Labour Table</u></b> :-</p> <ul style="list-style-type: none"> <li>➤ Overall Approx. Max. Size 72" x 27" x 30"</li> <li>➤ Frame work should be made of 31mm x 18G and supporting tubes made of 25mm x 18G S.S. Tube</li> <li>➤ Leg should be fitted with PVC Stamps.</li> <li>➤ 3 Section Top should be made of Bakelite sheet.</li> <li>➤ Back rest section should be adjustable on ratchet mechanism.</li> <li>➤ Leg end section should be slide under the main section by smooth mechanism</li> <li>➤ The entire table top gives trendlenburg position by screw system.</li> <li>➤ Should have Height adjustable a pair of leg holders with straps.</li> <li>➤ Complete with self-locking traction handle at side, SS IV Rod and foam mattress.</li> <li>➤ MS Parts should be pre-treated in 7 tanks and powder coated.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>200</b>
<b>18</b>	<p><b><u>Bed side screen-3 Fold</u></b>:-</p> <ul style="list-style-type: none"> <li>➤ Overall Size : 1680mm L x 2450mm W</li> <li>➤ Tubular frame work should be made from 19mm dia x 1.2mm ERW CRCA tubes.</li> <li>➤ Legs Base should be made from dia 25.4mm x 1.2mm tube ERW CRCA Tubes Fitted with 50mm dia non-rusting castor. Middle panel should be 1220mm and side panels 610mm each side. Should have curtain hooks and wire.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>100</b>
<b>19</b>	<p><b><u>Oxygen Cylinder Trolley</u></b> :-</p> <ul style="list-style-type: none"> <li>➤ Should be suitable for 10 liter gas cylinder.</li> <li>➤ MS tubular frame work should be made of approx. 25.4mm x 18G MS Round tube fitted with two rubber wheels, 100mm dia trolley should have locking provision made of 5mm x 25mm thick MS Flats.</li> <li>➤ Trolley should be fitted with MS Base of 16G sheet.</li> <li>➤ All MS parts should be 7 tanks pretreated &amp; powder coated.</li> </ul>	<b>250</b>

	<b>Warranty for 2years</b>	
<b>20</b>	<b><u>Bowl Stand with bowl:-</u></b> <ul style="list-style-type: none"> <li>➤ Five legs base mounted on 5cms dia castors.</li> <li>➤ With two approx. 35 cm SS Basin</li> <li>➤ Frame should be made of SS Pipe &amp; SS rings.</li> </ul> <b><i>Warranty for 2yrs</i></b>	<b>224</b>

**ANNEXURE XIII (I-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (I)**

<b>Si No</b>	<b>Specification</b>	<b>Qty</b>
<b>1</b>	<b><u>Doctor's Table :-</u></b> <ul style="list-style-type: none"> <li>➤ Size :1200 X 750 X 750 BEECH with 2 drawer hanging unit, Size: 400 X 400 X 300,</li> </ul>	<b>100</b>

	<ul style="list-style-type: none"> <li>➤ Table Top: Table tops made of 25mm (minimum)Pre-laminated particle board of E-1 Grade Conforming to IS : 12823 of desired color with PVC edge banding. All exposed edge sealed by 2mm (minimum)thick PVC Imported edge Banding. Table Top Support: 18 mm thick PLB gable ends &amp; 18 modesty Panel</li> </ul> <p><b>Warranty for 2yrs</b></p>	
2	<p><b><u>Doctor's Chair :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Cushioned seat and back.</li> <li>➤ Pneumatic height adjustable.</li> <li>➤ Height adjustable and swinging back rest</li> <li>➤ 5 legs chrome plated base with foot ring</li> <li>➤ Base fitted with 50 mm dia castors</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
3	<p><b><u>Visitor's Chair :-</u></b></p> <ul style="list-style-type: none"> <li>➤ The frame is made out of 25mm thick tube Thermo set powder coating by epoxy polyester hybrids to a thickness of 40 – 50 microns after 7 step pre-treatment processes.</li> <li>➤ Seat: Made of 12mm thick plywood cushioned with 37mm thick PU foam of density 32.</li> <li>➤ Back: Made of 10mm thick plywood, cushioned with 25mm thick PU foam of density 26. Fabric: Colour from fabric shade card</li> <li>➤ Dimensions:</li> <li>➤ Seat Width: 440mm, Seat Height: 460mm &amp; Seat Depth: 425mm</li> <li>➤ Overall Height: 810mm &amp; Overall Width: 550mm</li> </ul> <p><b>Warranty for 2yrs</b></p>	400
4	<p><b><u>Medicine Rack :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Should be made of heavy MS Sheet all three sides</li> <li>➤ Heavy front door frame with glass/polycarbonate panel</li> <li>➤ Glass shelves removable. Door with lock &amp; key</li> <li>➤ White Spray Painted</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
5	<p><b><u>Almirah for Medicines :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Spray Painted</li> <li>➤ Should be made of heavy MS Sheet all three sides as well as front door.</li> <li>➤ Shelves removable. Door with lock &amp; key</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
6	<p><b><u>Office Table :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Size :1200 X 600 X 750 BEECH with 2 drawer hanging unit</li> <li>➤ Size: 400 X 400 X 300</li> </ul>	100

	<ul style="list-style-type: none"> <li>➤ Table Top: Table tops should be made of 25mm (minimum) Pre-laminated particle board of E-1 Grade of desired color with PVC edge banding. All exposed edge should be sealed by 2mm (minimum) thick PVC Imported edge Banding.</li> <li>➤ Table Top Support: 18 mm thick PLB gable ends &amp; 18 modesty Panel</li> </ul> <p><b>Warranty for 2yrs</b></p>	
7	<p><b><u>Office Chair :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Nylon base with glass filled Nylon castors gas lift with 100mm travel. Synchronic Tilt Mechanism with Single Position Lock</li> <li>➤ Should be Thermo set powder coating by epoxy polyester hybrids.</li> <li>➤ Seat should be made out of 4mm &amp; 15mm molded hot pressed plywood cushioned with high-density pre-molded foam of 55 – 60 density. Back is to be made out of mesh back fabric.</li> <li>➤ Arms – High density height adjustable cushioned polyurethane – padded arms.</li> <li>➤ <u>Dimensions:</u></li> <li>➤ Chair Height – 900mm to 1000mm, Chair Width – 600mm (Center arm to arm), Seat Height 400mm to 500mm, Arm Height 190mm to 290mm &amp; Seat Depth 550mm</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
8	<p><b><u>Patient Waiting Chair :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Waiting area chairs</li> <li>➤ -Option for 2 or 3 seater</li> <li>➤ Ergonomically designed seat/back</li> <li>➤ Twin tube designer under structure</li> <li>➤ Waterfall seat edge</li> <li>➤ With/ without arms</li> <li>➤ Dimensions Width X Depth X Height Seat height</li> <li>➤ 3 Seater 152 46 85 46</li> </ul> <p><b>Warranty for 2yrs</b></p>	281

**ANNEXURE XIII (J-Rev1)**

**SPECIFICATIONS & DETAILS OF ITEMS**  
**GROUP (J)**

Si N	Specification	Qty
1	<b><u>BPMachine(Mercurial)</u></b>	688



	<ul style="list-style-type: none"> <li>➤ First grade quality - virgin material used</li> <li>➤ Purity of mercury 99.99% due to assured triple distillation process ,0 to 300 mm of Hg scale with elegant finish, fine numbering and durable background contrast paint for clear visibility</li> <li>➤ Fused type, permanent graduation marking on the glass tube</li> <li>➤ Special control valve for perfect pressure drop</li> <li>➤ Best quality cuff for getting excellent grip</li> <li>➤ Surface plating adapted to all exposed metal parts to prevent corrosion</li> <li>➤ Classic Hi-stove painting to the body of the instrument to withstand in any climate</li> <li>➤ Optimum damping effect provided for easy and fast measurement</li> </ul> <p><b>Warranty for 2yrs</b></p>	
<b>2</b>	<p><b><u>Weighing Machine (Adult) :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Size: 30 x 23.5 x 5.5 cm</li> <li>➤ Capacity: 125 x 0.5 kg</li> <li>➤ Weight: 2.2 Kg</li> <li>➤ Smartly Styled Scale with unique sunken lens</li> <li>➤ Should have latest comfortable 'Feet Positioning 'design with centre parting height weight chart.</li> <li>➤ Required registration from the Legal Metrology, Weights &amp; Measures for both the manufacturer as well as dealer.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>688</b>
<b>3</b>	<p><b><u>Weighing Machine (Baby cum Child):-</u></b></p> <ul style="list-style-type: none"> <li>➤ Weights &amp; Measures sealed, with separable baby tray,</li> <li>➤ Epoxy powder coated. with S.S. Pan, capacity 15kg X 50gms</li> <li>➤ Required registration from the Legal Metrology, Weights &amp; Measures for both the manufacturer as well as dealer.</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>688</b>
<b>4</b>	<p><b><u>Thermometer:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Oral use with ISI mark</li> <li>➤ Yellow- state of art of thermometer</li> <li>➤ Yellow capillary/glass tubing</li> <li>➤ Range: 35°C to 42°C(94°F to 108/110°F)</li> <li>➤ Packing: Blister Pack</li> </ul> <p><b>Warranty for 2yrs</b></p>	<b>1500</b>
<b>5</b>	<p><b><u>Stethoscope:-</u></b></p>	<b>1500</b>

	<ul style="list-style-type: none"> <li>➤ Combined Adult and Pediatric Aluminum anodized finished Chest piece.</li> <li>➤ Ultra-Sensitive Diaphragm for greater amplification.</li> <li>➤ Colour coordinated Non-Chill bell and Snap On.</li> <li>➤ Ring to retain diaphragm for patient comfort.</li> <li>➤ Complete with an accessory case containing.</li> <li>➤ 2 spare diaphragms and one set of ear tips.</li> <li>➤ Extra-thick tubing walls minimize extraneous noise.</li> <li>➤ Includes ID Tag.</li> </ul> <p><b>Warranty for 2yrs</b></p>	
6	<p><b><u>X-Ray View Box :-</u></b></p> <ul style="list-style-type: none"> <li>➤ X-Ray View Box Double Film with two tubes and epoxy powder coated deluxe.</li> </ul> <p style="text-align: center;"><b>Warranty for 2yrs</b></p>	688
7	<p><b><u>Autoclave IS Mark No. 8462 with dressing drums:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Portable vertical sterilizer autoclave seamless made out of thick high quality stainless steel sheet, deep drawn to cylindrical shape, having no joints and welding, seamless construction which shall allow no bacteria residue and free from dirt accumulation.</li> <li>➤ Size: 350 mm diameter x 300-325 mm height.</li> <li>➤ <b><u>Dressing drums</u></b> ISI Mark No. 3831, without any joints.</li> <li>➤ Size: 225 x 225 mm</li> <li>➤ 240 mm</li> </ul> <p><b>Warranty for 2yrs</b></p>	132
8	<p><b><u>Electric Sterilizer Seamless shell, with automatic lifting handle with tray all supplied with power cord.:-</u></b></p> <p><u>Specifications:-</u></p> <p>a) <u>Electric Sterilizer – Big</u>  –Should be IS : 5022–1989  Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni).  Suitable for 220V, 50 Hz, Single Phase, AC Supply.  L: 510, W: 200, H: 150mm, Power: 2.00 Kw</p> <p>b) <u>Electric Sterilizer – Medium</u>  –Should be IS : 5022–1989  Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni).  Suitable for 220V, 50 Hz, Single Phase, AC Supply.  L: 430, W: 200, H: 150mm, Power: 1.50 Kw</p> <p>c) <u>Electric Sterilizer – Small</u>  –Should be IS : 5022–1989  Made of Seamless S.S. Sheet of grade-304 (18 Cr-8 Ni).  Suitable for 220V, 50 Hz, Single Phase, AC Supply.</p>	100

	<p>L: 400, W: 150, H: 125mm, Power: 1.00 Kw</p> <p><b>Warranty for 2yrs</b></p>	
9	<p><b><u>Oxygen Cylinder B Type with flowmeter and wrench.:-</u></b></p> <ul style="list-style-type: none"> <li>➤ The oxygen cylinder should confirming to IS : 7285 (Part 1) – 2004 and with appropriate valves confirming to IS: 3224-2002 for Medical oxygen gas service Cylinders subjected to hydrostatic stretch test at pressure of 250 Bar as required under rule 35 of the Gas Cylinder Rules , 2004.</li> <li>➤ 10 ltrs water capacity. Supplied with Flow meter and wrench.</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
10	<p><b><u>Kidney Tray SS.:-</u></b></p> <p>Kidney Tray SS.As Per IS: 3992-1982 (Heavy Quality)</p> <p>Size: 250 x 100 300 130</p> <p><b>Warranty for 2yrs</b></p>	100
11	<p><b><u>Instrument Tray with cover SS.:-</u></b></p> <p>Instrument Tray with cover SS Seamless IS 3993-192.The finished thickness should not be less than 0.5 mm.</p> <p>Size: 350 x 250 mm 450 300 mm</p> <p><b>Warranty for 2yrs</b></p>	100
12	<p><b><u>Needle Destroyer-cum-Hub Cutter :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Compact Device that fits easily on the desktop.</li> <li>➤ <b>Portable</b>, safe and cost effective system which creates save environment for Doctors, Nurse, Pathologist, Healthcare professionals and patients.</li> <li>➤ <b>Cutter:</b> Very high grade imported steel which does not rust or becomes blunt even after long use.</li> <li>➤ <b>Body</b> should make up of ABSplastic which avoids rusting and electric shock.</li> <li>➤ <b>Electrodes</b> should be copper electrode Nickle plate.</li> <li>➤ <b>Temperature:</b> Burningdeg.c should be 1600c.</li> <li>➤ Steel Grade should be SS316L which can cut syringe hub and burn needle approx. 25000 pcs to 28000pcs and life is 2-years minimum.</li> <li>➤ Supplied with Removable discharge tray for easy disposal of needle ash and syringe hubs.</li> <li>➤ Power consumption of continuous rating in use should be 60w.</li> <li>➤ Shock proof ,fuse protection having, OFF &amp; ON switch.+</li> </ul> <p><b>Warranty for 2yrs</b></p>	100

13	<p><b><u>Instruments for Normal and Epistomy Delivery :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Vaccum extractor, Maelstrom :- 1</li> <li>➤ Forceps obstetric, Wrigley's, 280 mm, stainless steel :- 1</li> <li>➤ Forceps, obstetric, Barnes-Neville, with traction, 390mm:- 1</li> <li>➤ Forceps, sponge holding, straight 228 mm, stainless steel:- 4</li> <li>➤ Forceps, artery, Spencer-Wells, straight, 180mm-ss :- 2</li> <li>➤ Forceps, artery, Spencer-Wells, straight, 140mm-ss :- 2</li> <li>➤ Holder, needle straight, Mayo-Hegar, 175 mm-ss :- 1</li> <li>➤ Scissors, ligature, Spencer, 130 mm, stainless steel:- 1</li> <li>➤ Scissors, episiotomy, angular, Braun, 145 mm, stainless steel:- 1</li> <li>➤ Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm-ss :- 1</li> <li>➤ Forceps, tissue, spring-type, serrated ups, 160mm-ss :- 1</li> <li>➤ Catheter, urethral, rubber, Foley's 14 ER :- 1</li> <li>➤ Catheter, urethral, Nelaton, set of five (Fr 12-20) rubber:- 1</li> <li>➤ Forceps, backhaus towel -130 mm-ss :- 4</li> <li>➤ Speculum, vaginal, Sim's, double-ended # 3-ss:- 1</li> <li>➤ Speculum, vaginal, Hamilton-Bailey :- 1</li> </ul> <p><b>Warranty for 2yrs</b></p>	100
14	<p><b><u>Wall Clock :</u></b></p> <ul style="list-style-type: none"> <li>➤ Around 8 inch diameter-Round type</li> <li>➤ Having pointer for second, Analog Type.</li> </ul> <p><b>Warranty for 2yrs</b></p>	500
15	<p><b><u>Nitrous Oxide Cylinder 5 Ltrs:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Brand New High Pressure Seamless Cylinders for Nitrous Oxide Gas, duly filled with gas, 'A' type.</li> <li>➤ Having water Capacity 5Litres, Cylinders should be "ISI" Marked, Conforming to IS: 7285 Specification,</li> <li>➤ Fitted with Pin Index flush type Valve, painted as specified under Gas Cylinders Rules 1981.</li> </ul> <p><b>Warranty for 2yrs</b></p>	2000
16	<p><b><u>Oxygen Cylinder A Type:-</u></b></p> <ul style="list-style-type: none"> <li>➤ Brand New High Pressure Seamless Cylinders for Oxygen Gas, duly filled with gas 'A' type.</li> <li>➤ Having water Capacity 5Litres, Cylinders should be "ISI" Marked, Conforming to IS: 7285 Specification,</li> <li>➤ Fitted with Pin Index flush type Valve, painted as specified under gas cylinders rules 1981.</li> </ul> <p><b>Warranty for 2yrs</b></p>	2000

17	<p><b><u>Instrument for C-Section and other operations.-</u></b></p> <p><b>A)Delivery Kit</b>  Trolley, dressing carriage size 76C, long x 46 cm wide and 84 cm high.  Ref. IS 4769/1968 1 1Pc.  Towel, trolley 84 cm x 54 cm 2Pc  Gown, operation, cotton 1Pc  Cap. Operation, surgeon's 36 x 46 cm 2 2Pc  Gauze absorbent non-sterile 200 mm x 6 m as per IS: 171/1985 2Pc  Tray instrument with cover 450 mm (L) x 300 mm (W) x 80 mm (H) 1 Pc  Macintosh, operation, plastic - 2Pc.  Mask, face, surgeon's cap of rear ties: B) Beret type with elastic hem 2pcs ,  Towel, 2 pcs  gloves 3 Pairs  Cotton wool absorbent non-sterilize 500G 2Pc  Drum, sterilizing cylindrical – 275 mm Dia x 132 mm, ss as per IS: 3831/1979 2Pc  Table instrument adjustable type with tray ss 1Pc.</p> <p><b>B)Episiotomy kit</b>  Vacuum extractor, Malastrom 1 1  Forceps obstetric, Wrigley's, 280 mm, stainless steel 1  Forceps, obstetric, Barnes-Neville, with traction, 390mm 1  Forceps, sponge holding, straight 228 mm, stainless steel 4  Forceps, artery, Spencer-Wells, straight, 180mm-ss 2  Forceps, artery, Spencer-Wells, straight, 140mm-ss 2  Holder, needle straight, Mayo-Hegar, 175 mm-ss 1  Scissors, ligature, Spencer, 130 mm, stainless steel 1  Scissors, episiotomy, angular, Braun, 145 mm, stainless steel 1  Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm-ss 1  Forceps, tissue, spring-type, serrated ups, 160mm-ss 1  Catheter, urethral, rubber, Foley's 14 ER 1  Catheter, urethral, Nelaton, set of five (Fr 12-20) rubber 1  Forceps, backhaus towel -130 mm-ss 4  Speculum, vaginal, Sim's, double-ended # 3-ss 1  Speculum, vaginal, Hamilton-Bailey 1</p> <p><b>C)Forceps Delivery Kit</b>  Forceps, obstetric, Neville-Barnes, W/traction 390 mm 1  Hook, decapitation, Braun, 300 mm, stainless steel 1  Hook, crochet, obstetric 300 mm, Smellie, stainless steel 1  Bone, forceps, Mesnard 280 mm, stainless steel 4  Perforator, Smellie, 250 mm, stainless steel 1  Forceps, cranial, Gouss, straight, 295 mm-ss 1</p>	<p>107</p> <p>107</p> <p>107</p>
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	<p>Cranioclast, Braun, stainless steel, 365 mm long 1          Scissors ligature Spencer 130 mm, stainless steel 1          Forceps sponge holding, 22.5 cm straight – ss 1          Forceps, tissue, spring-type, 1 x 2 teeth, 160 mm, stainless steel 1          Forceps, tissue, spring-type, serrated tips, 160 mm-ss 1          Forceps, artery, Spencer–Wells, straight, 180 mm-ss 2          Forceps, artery, Spencer-Wells, straight, 140 mm-ss 2          Forceps, scalp flap, Willet’s 190 mm –ss 4          Forceps, Vulsellum, duplay double curved, 280 mm-ss 4          Forceps, Vulsellum, duplay double curved, 240 mm-ss 1          Catheter, urethral, 14 Fr. Solid tip, one eye, soft rubber 3          47 Holder, needle, Mayo-Hegar, narrow jaw, straight, 175 mm-ss 1          Speculum vaginal bi-valve, Cusco-medium, stainless steel 1          Speculum, vaginal sim’s double-ended, size # 3-ss 1          Forceps, Backhaustowel, 130 mm, stainless steel</p> <p><b>Warranty for 2yrs</b></p>	
18	<p><b><u>Neonatal Resuscitation Kit :-</u></b></p> <ul style="list-style-type: none"> <li>➤ Infant Resuscitator with 250 ml Silicone Bellow, pressure release valve</li> <li>➤ Silicone Face Mask (Anatomical): Autoclavable&amp; reusable in sizes 00, 01</li> <li>➤ Foot Suction: Compact, lightweight, easy to handle and operate, Durable rubber bellow,</li> <li>➤ Long lasting stainless spring to provide friction free pumping</li> <li>➤ Completely Autoclavable polycarbonate vacuum jar with lid (500ml capacity), Scratch</li> <li>➤ Proof power coated frame</li> <li>➤ Laryngoscope: Stainless Steel Straight blades of Size 0&amp; 1 No.</li> <li>➤ Silicone airways: Autoclavable and reusable in Size 000&amp; 00 No.</li> </ul> <p><b>Warranty for 2yrs</b></p>	50
19	<p><b><u>Vacuum Extractor</u></b></p> <p>Should consist of 03 stainless steel/plastic (autoclavable) cups, rubber pressure tube, suction pump, traction handle, glass jar fitted with vacuum gauge and control valve. Should be supplied in a carrying case.</p> <p><b>Warranty for 2yrs</b></p>	50
20	<p><b><u>Oxygen Cylinder A Type with Humidifier:-</u></b></p> <p>Brand New High Pressure Seamless Cylinders for Oxygen Gas, duly filled with gas ‘A’ type.          Having water Capacity 5Litres, Cylinders should be “ISI” Marked,</p>	1000

	<p>Conforming to IS: 7285 Specification, Fitted with Pin Index flush type Valve, painted as specified under gas cylinders rules 1981. <b><i>Warranty for 2yrs</i></b></p>	
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