



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, BHADRAK

Ph. No. 06784-251866, 219033 Fax – 06784-251855

E-mail : cdmobdk@rediffmail.com, dpmubhadrak@gmail.com



Open Tender No:- 10584 DPMU UNIT, NHM/Bhadrak Dated:- 06/11 /2018

Open Tender No _____ /DPM UNIT, NHM Bhadrak / Dated. _____

Sealed tenders are invited from the manufacturer, if no manufacturer unit is participating in the tender, their authorized distributor / supplier / agency/retail counter/medicine shop will be consider for supply of Medical Instrument, Equipments, Machinery, Furniture, & Consumables. The details list, terms and condition & technical specification are available in district website: - www.bhadrak.nic.in can be downloaded or will be available at TSK, Bhadrak . Tender should be submitted in separate envelops by enclosing its technical bid cover (A) & commercial bid cover (B) tender document, required fees, EMD as mentioned & super scribe clearly tender No. & date, tenderer mobile No., Fax No. in the front of envelop. The last date & time of submission of bid 24.11.18 & the technical bid may be opened on 27.11.18 in presence or absence of bidder or their authorized representatives. Tender paper in incomplete form or after the scheduled date & time shall be rejected.

The authority reserves the right to reject or accept all or any of the quotation without assigning any reasons thereof. All legal disputes if any relating to the Quotations are subject to Jurisdiction in the court of law situated at Bhadrak, Odisha only.

Sd/-Dr M.A.Rasid

Chief District Medical & Public Health Officer,
Bhadrak

Memo No 10585 / Dated 06/11/18

Copy to OIC, NIC, Bhadrak requested to upload in district website

Copy to Notice Board of DHH, Bhadrak / Colectoratate, Bhadrak / Municipality Office, Bhadrak / Court, Bhadrak for information and wide publication.

Five copies to be hanged / fixed in five conspicuous place of Bhadrak town.

Johia
06/11/18
Chief District Medical & Public Health Officer,
Bhadrak
BHADRAK



OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH OFFICER, BHADRAK

Ph. No. 06784-251866, 219033 Fax – 06784-251855

E-mail : cdmobdk@rediffmail.com, amitkar2005@yahoo.com



Tender No:- DPM UNIT,NHM/Bhadrak Dated:- / /2018

Tender Call Notice

Sealed tenders are invited from the eligible bidders as per the eligibility criteria for Medical Instrument, Equipments, Machinery Furniture, Drugs & Consumables of Bhadrak District.

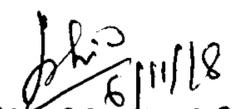
1. The bidder have to submit their tender in separate sealed covers (i.e. Cover "A"-Technical Bid and cover "B"-Price/Financial Bid). Both the cover should be put into a third Cover "C" which must be super-scribed as "Tender for supply of Medical Instrument, Equipments, Machinery Furniture, Drugs & Consumables for DPM UNIT, NHM Bhadrak District".

2. The cover "A" (Technical Bid) for Medical Instrument, Equipments, Machinery, Furniture, Drugs & Consumables should contain as follows:

- 1) Checklist with details of the documents enclose in cover "A" (as per Annexure –I) with page number. The document should be serially arranged with signature as per this Annexure – I and should be securely tied and bound.
- 2) Manufacturing unit / supplier / Dealer / Firm / Agency / company who has been blacklisted either by the, Tender inviting authority or by any state Govt. or Central Govt. organization, is not eligible to participate in the tender.
- 3) EMD Rs.10,000/- (Rupees Ten Thousand Only –Refundable) in shape of Bank Draft / Banker Cheque in favour of CDM&PHO, BHADRAK payable at Bhadrak.
- 4) Tender paper cost Rs.500/- (Five Hundred) in the shape of Demand Draft as non-refundable in favour of CDM&PHO, BHADRAK payable at Bhadrak.
- 5) List of item (s) Quoted individual items, individually & composite items in a composite kit in the prescribed format and items are quoted as per the technical specification. (Annexure – II).
- 6) Copies of organization PAN.
- 7) Photo copy of registration of organization/ firm/ company etc where it is applicable.
- 8) AADHAR No of proprietor / Managing partner / Director of the organization.
- 9) Copy of organization Income Tax Acknowledgement Report (Financial 2017-2018) and copy of the audited financial statement for the last three financial year i.e. 2015-16, 2016-17&2017-2018
- 10) Photocopy of the up to date GST Registration Certificate.
- 11) Copy of the valid Manufacturing License of the manufacturer (s) / Import License by the Importer / Licenses of Dealer (where it applicable).
- 12) All the tender document should be sign by the bidders at the bottom of each page with his official seal duly affixed.
- 13) Detail information as per annexure – III.
- 14) The Technically Qualified Bidder who will be qualified, the sample of following items(SI No-1A,1B,1C,3 & 4 list of items –Annexure-II) are to be submitted for verification of quality ,if the bidder is unable to shown the sample his price bid of the items called for will not be not be taken account for evaluation

3. **The cover "B" (Price Bid) for medical equipments should contain as following:**

- 15) Financial Bid must be submitted in the prescribed format as attached in Annexure – IV. No other document should be enclosed in the Financial Bid. The Financial Bid Should be sent separate sealed cover called Cover "B" (Price Bid).
- 16) If there is difference between figures & words will be taken in consideration.
- 17) I f no suitable bidder found, committee may finalize the tender with suitable modification and may relax of the terms and conditions.
- 18) For any dispute decision of collector and District Magistrate, Bhadrak shall be final.
- 19) All disputes are subjected to Bhadrak jurisdiction only.
- 20) The undersigned reserves the right to reject or cancel any or all the tenders without assigning any reason thereof. Undersigned will not be responsible for postal delay.
- 21) Bidder should quote the rate of the items including all accessories and transportation cost subject to full fill all conditions with GST rate extra.
- 22) Tender rate contract is valid for one year or till finalization of tender from date of approval.


**Chief Dist Medical &
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4. **General Condition for medical equipments should contain as follows:**

- 1) Eligible bidder should submit their tender documents to the CDM&PHO, Bhadrak (O/O- CDM&PHO, Bhadrak, Po/Dist-Bhadrak, Odisha, Pin- 756100) through speed post / Registered post only within the stipulated date and time as mentioned in the tender notice.
- 2) Any tender documents received after due the date and time will be rejected and returned to the sender unopened.
- 3) Violating the tender terms and conditions and non-supply / partially supply / supply, which is not as technical specification, will be declared as Blacklisted and the firm will be disqualified to participate any tender of his district for a period of next 03 (three) years from the date of issue of the letter and their E.M.D will be forfeited.
- 4) The undersigned reserves the right to accept or reject any or the entire bid documents without assigning any reason thereof.
- 5) Undersigned will not responsible for any postal delay.

A handwritten signature in black ink, appearing to be 'Jho', is written on the right side of the page.

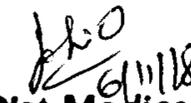
SALE OF TENDER / BID DOCUMENT

A complete set of bidding documents may be purchased by prospective bidder on payment of a non refundable fee as indicate below in the form of demand draft in favour of **CDM&PHO, Bhadrak payable at Bhadrak** from any Nationalized / Scheduled bank at the office of the CDM&PHO, Bhadrak during office hours from 10 AM to 5 PM on all working days as mentioned in the tender documents either in person or by post.

The bidder may download the tender documents directly from the Website:- www.bhadrak.nic.in (all tenders). The tender cost fee of Rs. 500/- plus GST @ 12.5% (non refundable) by way of separate Demand Draft drawn in favour of CDM&PHO, Bhadrak should be enclosed along with the technical bid. The bidders should specifically super scribe "DOWNLOADED FROM THE WEBSITE". The Tender cost fee and the EMD amount should be submitted separately in separate Demand Draft. In case of any bid amendment and clarification, responsibility lies with the bidders to collect the same form the website or the office notice board before last date of purchase of tender document and the CDM&PHO shall have no responsibility for any delay / omission on part of the bidder.

- | | |
|--------------------------|----------------------------------|
| a) Price of bid document | Rs. 500/-+GST % (Non refundable) |
| b) Postal Charges | Rs. 300/- extra |

The tender paper will be rejected if the bidder changes any clause or Annexure of the bid document downloaded from the website.


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Tender No:- DPM UNIT,NHM/Bhadrak Dated:- / /2018

Annexure-I

CHECK LIST

Sl.No	List of Tender Documents Submitted (with yes or No Question)	Yes	No	Page No.
1	Checklist and related documents.			
	Cover "A"- Technical Bid and Cover "B"- Price Bid attached separately			
	Weather all page are serially numbered.			
	Weather all page are self attested.			
2	Weather Manufacturing unit / supplier / Dealer / firm/ Agency has been blacklisted either by the tender inviting authority or by any state Govt. or central Govt. Organization			
3	EMD Rs.10,000/- (Rupees Ten Thousand Only –Refundable) in shape of Bank Draft / Banker Cheque in favour of CDM&PHO , BHADRAK payable at Bhadrak.			
4	Tender paper cost Rs.500/- (Five Hundred) in the shape of Demand Draft as non-refundable in favour of CDM&PHO , BHADRAK payable at Bhadrak.			
5	List of item (s) Quoted individually as per the technical specification. (Annexure – II).			
6	Self attested photocopy of organization PAN & Drug Licence			
7	Photo copy of registration of organization/ firm/ company etc.			
8	Self attested photo copy of AADHAAR No of proprietor / Managing partner / Director of the organization			
9	Self attested photocopy of organization Income Tax Acknowledgement Report (Financial 2016-2017) and copy of the audited financial statement for the last three financial year i.e. 2014-15, 2015-16 & 2016-17			
10	Self attested Photocopy of the up to date GST Registration Certificate.			
11	Self attested photocopy of the valid Manufacturing License of the manufacturer (s) / Import License by the Importer / Licenses of Dealer (where it applicable).			
12	All the tender document should be sign by the bidders at the bottom of each page with his official seal duly affixed.			
13	Detail information as per annexure-III			

Place :

Date :

Seal & Signature of authorized Signatory.

6/11/18
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Tender No:-

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(Annexure - III)

Sl.No	Particulars	(Clearly mention data here) annexure here)	(Don't refer
1	Name of the Organization		
	Address of the Organization		
	Name of the Authorized signatory (partner / Proprietor / Director etc)		
	Telephone No/ Mobile No of the Authorized Signatory / Organization.		
	Email id of Organization		
2	Whether unit has blacklisted earlier. (Y/N)		
3	EMD Rs.10,000/- (Rupees Ten Thousand Only –Refundable) in shape of Bank Draft / Banker Cheque in favour of CDM&PHO, BHADRAK payable at Bhadrak.	DD No _____ dated _____ name of the bank _____	
4	Tender paper cost Rs.500/- (Five Hundred) in the shape of Demand Draft as non-refundable in favour of CDM&PHO ,BHADRAK payable at Bhadrak.	DDNo _____ dated _____ name of the bank _____	
5	List of item (s) Quoted individually as per the technical specification. (Annexure – II).	Yes / No-	
6	Copies of organization PAN&DL	Pan No- _____ DL No- _____	
7	Copy of registration of organization/ firm/ company etc.	NO	
8	Copy of AADHAAR No of proprietor / Managing partner / Director of the organization	AADHAAR NO-	
9	Copy of organization Income Tax Acknowledgement Report (Financial 2016-2017) and copy of the audited financial statement for the last three financial year i.e. 2015-16 ,2016-17&2017-2018	ITR-V No- _____ Average turnover for last three year (15-16 ,16-17& 17-18)= _____	
10	GST Registration No.		
11	Self attested photocopy of the valid Manufacturing License of the manufacturer (s) / Import License / Dealer Licenses (where it applicable).	No-	
12	All the tender document should be sign by the bidders at the bottom of each page with his official seal duly affixed.	Yes / No-	

DECLARATION

I / We hereby declare that, the terms and conditions, specification etc. given with the tender notice have been read carefully and it is acceptable to me/us and that the information furnished above is full and correct to the best of my / our Knowledge. I/ We understand that in case of any deviation in the above statement at any state, the Firm/Agency will be blacklisted and will not have any dealing with in future.

Place :

Date :

Seal & Signature of authorized Signatory.

[Signature]
6/11/18
**Chief Dist Medical &
Public Health Officer
BHADRAK**

**Technical specifications for Hospital Furniture and Fixtures, Equipment/
Instruments and Lab Diagnostic Materials, Drugs under different activities for NHM,
DPMU UNIT ,BHADRAK**

1- Sphygmomanometer

A-Sphygmomanometer - Aneroid Type

- Should be aneroid type,
- Should have ISI mark.
- Should have a measuring range from 0 to 300 mmHg,
- Should be provided with adult arm cuffs of size medium & large.
- The dial manometer markings and graduations should be permanent and clearly visible and filled with pigments, with diameter of minimum diameter of 160 mm.
- Connection: brass, nickel plated for 3-4 mm rubber hose.
- Dial – Aluminum, Window lenses – Clear plastic.
- All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use.
- The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking.
- The inflating bulb should be soft and should not have any joints or ridges.
- The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum test conditions.
- The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm.
- The tubes should be fitted with male and female leur connectors.
- Should provide a carry bag to keep the whole system safe and sound. All parts should be replaceable in case of breakage.

B-Sphygmomanometer - Mercury Type

- Should be Portable mercurial type.
- Should have ISI mark.
- Should have ON and OFF provision for mercury reservoir.
- Should have a measuring range from 0 to 300 mmHg.
- Should be provided with adult arm cuffs of size medium & large.
- All plastic parts, if any used should not crack, flake, peel or disintegrate in normal use.

- The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm.
- The tubes should be fitted with male and female leur connectors.

C-Sphygmomanometer - Digital Type

- Fully digital measuring enables users easy self measurement for frequent checking of blood pressure.
- Easy, one-touch operation
- Body movement detection and hypertension indicator
- Irregular heartbeat detection
- Memory for last reading and simultaneous display of systolic, diastolic and pulse rate
- Main unit, medium cuff (146 millimeter - 446 millimeter), instruction manual, battery set.

5 years extended brand warranty from date of purchase. T&C: To claim warranty, original invoice is mandatory

2- Autoclave Small Single Bin

- Deactivates all Bacteria & Viruses.
- Used for Sterilization of Surgical Dressings & Instruments
- Seamless Construction made of Aluminum.
- Available in various sizes both Electrical & Gas fueled.
- Fitted With ISI (Statistical Quality Control and Operations Research)
- Marked Gasket (For Hygiene)
- ISI Marked Heating Element for Longer Life
- ISI Marked 3 Pin Plug and Element Connector for Extra Safety
- Element with an Magnesium Oxide Powder Better Result.
- ISI Wire with Cloth Covering.
- Inner Stainless Steel Tripod Stand..
- Outer Stainless Steel Tripod Stand.
- Stainless Steel Drum @ 1 nos

5. Examination lamp

Technical characteristics

1.1. Technical characteristics (specific to this type of device)

- 1) LED light
- 2) Illumination (lx) should be LED
- 3) Minimum 25,000 Lux at 0.5 meter
- 4) Height Adjustment (mm): ≤ 440
- 5) Radial and axial movement of the lamp
- 6) CRI > 90
- 7) Colour temperature minimum 4300K

1.2. User's interface: Manual

2.3. Software and/ or standard of communication (where ever required): NA

2 physical characteristics

2.1. Dimensions (metric): NA


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2.2. Weight (lbs, kg): NA

2.3. Configuration: NA

2.4. Noise (in dBA) : NA

2.5. Heat dissipation: Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism

2.6. Mobility, portability:

3 Energy Source (electricity)

3.1. Power Requirements: Recharging unit: Input voltage- 220V-240V AC, 50Hz

3.2. Battery operated: Yes

3.3. Tolerance (to variations, shutdowns): NA

3.4. Protection: Should have over-charging cut-off with visual symbol.

3.5. Power consumption: NA

4. Accessories, Spare parts, consumables

4.1. Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) :NA

5 environmental and Departmental considerations

5.1. Atmosphere / Ambiance (air conditioning, humidity, dust ...)

1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.

2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.

5.2 .User"s care, Cleaning, Disinfection & Sterility issues:

1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. 2) Sterilization not required. 7 Standards and Safety

6.1. Certificates (pre- market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international

1. Should be USFDA/CE/BIS and ISO 13485 approved product.

2. Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements (or equivalent BIS Standard)

3. Shall meet internationally recognised for Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) for electro medical equipment: IEC 60601-1-2

4. Certified to be compliant with IEC 60601-2-4 for usability.

6.2. Local and/or international: Manufacturer / supplier should have ISO certificate for quality standard.

7 Training and installation

7.1. Pre-installation requirements: nature, values, quality, tolerance

1) Availability of 5 amp socket;

2) Safety and operation check before handover;

7.2. Requirements for sign- of: Certificate of calibration and inspection from the manufacturer

7.3. Training of staff (medical, paramedical, technicians)

1) Training of users on operation and basic maintenance;

2) Advanced maintenance tasks required shall be documented 9 Warranty and maintenance

8.1. Warranty: 3 years

8.2. Maintenance tasks:

1) Maintenance manual detailing;

2) Complete maintenance schedule;

8.3. Service contract clauses, including prices :The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;

8. Adult Weighing scale

- Sturdy **dial type mechanical** platform weighing machine for adult and children.
- Zero adjustment facility should be there.
- Sensitivity: 500 gm
- Range of weighing: 0-120kg
- The manufacturer shall have the valid manufacturing license and should have model approval by the legal metrological Deptt. and the weighing scale must be stamped by the by legal metrological Deptt. In case of distributor, the bidder should have valid distributor and repair license from legal metrological Deptt., Govt. of Odisha.
- **ISO 9001 certified manufacturer** (certificate to be submitted). Warranty: 1 Year

3	VIA Kit –(Visual inspection with Acetic acid kit)	<i>Composite Net in Bag for carrying above items</i>
	Gloves=6.5", 7, 7.5" , 1pkt 100 gloves	
	Cotton swabs-sterile-1 pack of 100swabs(zipped)	
	distilled water-1 ltr./bot	
	Led focusing torch chrome/steel ribbed body(medium size)with battery	
	Glass Slide-1pkt of 100nos	
	Vaginal Speculum - Cusco Medium and Small Stainless steel 410 grade@1each size	
	Glacial Acetic acid- 0.5%/100ml / 1bottles	
	Bag for carrying above items.@1nos	
4	OVE KIT (Oral visual Examination Kit)	
	1.Angular Mirror:- 2 pieces to provide indirect vision to retract lips, cheeks, and tongue, to reflect light into the mouth. Accurate image from flat surface mirror, image magnifying with concave mirrors. Size of 14mm-22mm of plane size, stainless steel, fog free with flat/round ribbed handle. The mirror shall be made of fiber glass and the handle shall be made of stainless steel 410/420 grade.	
	2.Hand Gloves:- Plastic Gloves (Sterile) Size: 6.5", 7,7.5,1pkt of 100 gloves Made form Food Grade Plastic	
	3.LED Focusing Torch:- Led focusing torch chrome/steel ribbed body (medium size)with battery	
	4.Wooden Specula:- Set of 100 mini Medline wood tongue depressors; 6 inches in length and flat, thin, wooden blades, smoothed and rounded at both ends. Warranty not applicable	
	5.Carrying Bag :-Good quality bag for storing the above mentioned items	
	6.Cotton:-100gms per packet	
	7.Gauze:-Gauze most commonly used by Hospitals 7.5cm x 10 mtr. Rolled sterilized	

6-HEMOGLOBINOMETER (STRIP/MICRO-CUVETTE)

Hemoglobinometer (strip/micro-cuvette)	<p>It should be a point of care instrument to measure hemoglobin. The unit should have LCD screen for instant display of test result.</p> <ul style="list-style-type: none">• It should be Factory calibrated as per ICSH (International Council for Standardization in Haematology). Needs no further calibration• Self-checking facility should be there between every measurement• Shelf life of the test strip/cuvette should be minimum 90 days from the opening of the packet / box and at least one year from the date of manufacturing.• Measurement Range: 4gm./dL to 20gm./dL• Accuracy should be $\geq 96\%$ CV $< 5\%$• Sample volume; approximately 10 to 15 μL whole blood; capillary or venous blood• Minimum stored result memory :250 results• USB interface facility should be there for transfer of stored results. <p>Soft keys for user operation.</p> <p>It should communicate through mini-USB connector with a Computer/ laptop.</p> <p>Battery operated; The battery should support at least 500 tests.</p> <p>Each device should be supplied with: 1. Cover (Wash Proof) 2. USB Cable for data transfer 3. Other items required for functioning of the machine. The cost of Device, Strips (50 Nos.) & lancets (55 Nos.) should be quoted separately in price BOQ excel format.</p> <p>Operating condition: Capable of operating continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>Safety & Quality Standard:</p> <p>European CE or USFDA Certified. It should be Factory calibrated as per ICSH (International Council for Standardization in Haematology). The manufacturer should be ISO 13485 certified.</p>
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7-Blankets for neonates: -2 per ASHA

- Blanket dimensions: 3 ft 2 inches x 3 ft 2 inches x $\frac{1}{4}$ inch
- Washable Meant for demonstration and immediate use. 16000 4

8-Baby feeding spoon

- Long handled, and easy to clean
- Made of stainless steel
- Front end of the spoon should be shallow, not flat or too deep, less than 5 ml. 8000 5 Head circumference

9-Measuring Tapes

- Flexible, non-stretchable measuring tape.
- A plasticized tape is recommended.
- Measures in 0.1 cm (1 mm) increments.
- It is desirable that an insertion tape be used. 1000


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10-Digital Wrist Watch

11-Mucos Extractor

12-HBNC Kit Bag

13-Hospital Instrument Cabinet:-

HOSPITAL INSTRUMENT CABINET

- SIZE-165 H X 61 W X 38 D cm.
- Made form CRC sheet Three side closed.
- Front glass door and removable glass shelves.
- Pre-treated and Epoxy Powder Coated..
- Elevated durability
- Low maintenance
- Perfect finish

14-Iron Rack 4&6 shelves

Iron Racks:-

1-A

Breadth : 18 inch
Height : 59 inch
No. of Shelves : 4 Shelf
Length : 36 inch

1-B

Breadth : 12 inch
Height : 87 inch
No. of Shelves: 6 Shelf
Length : 36 inch

Feature-1-A&B

- Less maintenance
- Sturdiness
- Highly durable
- Corrosion resistance
- Can bear heavy weight
- High storage capacity

15- ELECTRICAL NEEDLE & SYRINGE HUB CUTTER

- Incinerates the needle electrically
- Cuts the syringe hub
- Collection container to collect the waste
- Shock-proof ABS body, Portable, compact and handy
- Heavy Duty Coil for Long Life
- Item Weight-1.8kilogram


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IMPORTANT NOTICE NOT IT WHILE QUOTING THE EIF RATE & QUALITY

Quality Standard for Hospital Furniture and Fixtures:

- Should be CE/BIFMA/BIS approved model.
- Manufacturer should have ISO 9001 certification for quality management standards.
- Manufacturer should have ISO 14001 certification for environmental management systems.
- Manufacturer should have OHSAS 18001 certification for occupational health & safety management.
- Should furnish stainless steel grade certificate from Govt/Govt. approved testing laboratory.
- Manufacture should produce test certificate from Govt/Govt. approved laboratory for test procedure like impact test, bend test, salt spray chamber test, epoxy powder coating & phosphate coating for quoted item

Items and Specifications:

	Items	Specifications
16	Chairs for patient waiting area	The chair should be heavy duty construction of three seater capacity. The frame structure shall be constructed with durable steel able to resist to rust. All joints shall be welded and all exposed surfaces shall be straight and true to line and curve. The entire structure shall be coated with a layer of anti-corrosion paint follow by another 2 finishing coats either powder coating or nylon polyester coating to withstand periodic cleaning and typical abuse. Color: Black and Silver Size: (L)1700mm*W550mm*480mm Approximate10mm+/- Material: Metal
17	Bed side Screen (Screen Separators with stand)	3 folding partitions - 6 feet high and 6 feet long when opened Tubular frame (CRCA tubular) mounted on 5cms high quality corrosion free castors with fine quality curtains. Pre-Treated and Epoxy Powder coated.
18	Steel Almirah / Cupboard/storage chests	Product Size: 900 mm (W) x 480mm (D) x 1900 mm (H)Height (Approximate20mm+/-) Construction & Material: Minimum 0.8 mm thick CRCA for Shelf & 0.9 mm thick CRCA for all other components. Locking: 2 way locking mechanism with shooting bolt provided chrome plated with Handle Shelving: Minimum 4noswith uniformly distributed load capacity per full shelf is 40-50 Kg maximum Finished with Epoxy Polyester Powder coated.
19	Examination Table	<u>Technical Specification</u> Overall approx size: 1820 mm L x 570mm W x 820mm H (L x W x H) ±20mm Two section with two fold Cushion top of 3"mm thickness made of
20	Foot Step	<u>40density PU foam</u> <u>Tubular construction, machine pressed double bend mild steel sheet</u> <u>Headrest adjusted on ratchet</u> <u>Legs fixed with rubber feet.</u> <u>Pre-treated and epoxy powder coated</u> <u>Patient load bearing capacity of 120 kgs minimum.</u> <u>The step stools shall have a maximum load capacity of 150 kg.</u> Foot Step Stainless steel frame shall be made of square /round steel tubing 20 x 20 mm.
		<u>Should be double-step type with step heights of are 200 and 400 mm (+/- 10mm) respectively.</u> <u>It should be provided with slip-resistant steps are made of black moulded polyurethane (PU) coated foam plates of minimum 15mm thickness.</u> <u>Overall dimension: 590x410x200/400 mm.</u>


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21	I/V Stand	Overall approx. size: height – 150cm-230 cm (with telescopic adjustable height) Main Frame: Strong & Sturdy stainless steel tubular construction mounted on four pronged tubular/rectangular base fitted with five swivel rust proof castors of 50mm diameter. Stainless steel rod with double hooks All the Stainless Steel should be of 304 grade Should be pre-treated and epoxy coated finish.
22	Basin 825 ml. Ss (Stainless Steel)	Basin of 825 ml. Ss (Stainless Steel)
23	Basin deep (capacity 6 litre)	SS Basin square/rectangular shaped of capacity 6liter.
24	Tray instrument/Dressing with cover 310 x 195x63mm SS,	Instrument Tray with Cover Made of 304 grade Stainless Steel Size: 310 x 195x63mm Manufacturer should be ISO13485 approved Product should be BIS/CE approved
25	Dressing Drum with cover 0.945 litres stainless steel	Should be made of joint-less stainless steel of 304 grade steel of 0.5mm thickness. Should have perforated body. Should have chain locking with clamp to open or close the perforated body. Size : 0.945 litres Manufacturer should be ISO13485 approved Product should be BIS/CE approved
26	Instrument Sterilizer	Electrically operated. Size ideally: 24x8x6 inch Should have replaceable immersion type heater ISI marked. Body should be made of SS-304 grade steel. (Test report certificate from independent laboratory should be submitted with technical bid.) Power Supply Power input to be 220-240VAC, 50Hz fitted with Indian plug Manufacturer should be ISO13485 approved Product should be BIS/CE approved
27	Surgical Instruments <i>Important Note</i>	Quality standard (Applicable to all surgical instruments): Instruments should be made up of stainless steel medical grade AISI 410 & 420. Test reports should be submitted in the technical bid. Part No. and the CE Mark must be engraved/Embossed on the instrument. Sample demonstration Instrument should cover 2 years replacement warrantee. All the instruments should be autoclavable
28	Kelly's Forceps	Kelly's hemostat Forceps straight 140 mm
29	Cheate's Forceps with Holder	Cheate's Forceps 10" with SS Holder
30	Needle Holder	Needle holder -8inch
31	Scalpel holder with blade	NO-6
32	Sponge holder	Sponge holding forceps 8" with double action Jaws
33	Kidney tray	Kidney tray, 8"
34	Artery Forceps, straight, 160mm Stainless steel	Artery Forceps, straight, 160mm Stainless steel
35	Stitch cutter	Stitch cutting size with round handle double action jaw of 6 inch.
36	Allis forceps	Tissue Forceps finger ring, ratcheted forceps straight with 5x6 teeth and an overall length of 7-1/2 inches.
37	Dressing Forceps (spring type), 160 mm, stainless steel	Dressing Forceps (spring type), 160 mm, stainless steel
38	Stethoscope	Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece. Rotating piper fitting for both flip functions. Double head paediatric & Adult stethoscope. <ul style="list-style-type: none"> • Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal. • Designed with Precision chest-piece made of stainless steel/ chromed brass. • Good quality diaphragm of minimum -Ø-45mm • High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission. • Length should be 27" to 29 with preferable colour -black. • The Y-tube should be made of Latex-free treated rubber. Easy to dismantle, and therefore to clean and disinfect. Manufacturer should be ISO13485 approved Product should be BIS/CE approved
39	Hub-Cutter & Needle Destroyer	<ul style="list-style-type: none"> • Should be lightweight, portable & compact. • Housing should be moulded type, shock proof and made of ABS plastic/Stainless steel of 304 Grade. • Should be provided with removable discharge tray for easy disposal of syringe hubs. • Should have provision to burn the needle and cut the syringe tip. • Should have high Carbon Steel cutter to cut the syringe tips.

-Continued-

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39	Hub Cutter and Needle Destroyer	<ul style="list-style-type: none"> • Should able to cut and destroy the needle up to 18G. • Should able to destroy minimum of 5 injection needles on continuous operation. • Should have heavy duty transformer. • Should have power ON/OFF switch with visual indication. • Should be properly insulated for protection from electric hazards. • Should have fuse protection with 5no.of fuse to be supplied of adequate rating. <p>Power Supply: Power supply should be 220-240 V AC, 50Hz with Indian plug. Manufacturer should be ISO13485 approved Product should be BIS/CE approved</p>
40	Artery Forceps-Curved	Artery Forceps 5"Curved double action jaw ratcheted with ring handle double action jaws.
41	Gauze Cutting Scissors	Angled with the lower blade being slightly longer & tip of the lower blade features a flattened blunt nodule to slide between bandages and skin without harming the skin. Size:5" (Brass Handle Normal)
42	Digital Thermometer	<p>Range of temperature measurement 320C- 420 (89.60F-109.40F). Can be calibrated in both centigrade and Fahrenheit, but if only one option is available, then Fahrenheit is preferable. Buzzer signal function. Takes 10-15 seconds to measure temperature. Can be used in the armpit/axilla, orally and rectally. Accuracy of temperature $\pm 0.1\text{degC}$ and $\pm 0.2\text{ F}$. User's interface :LCD display Manufacturer should be ISO13485 approved Product should be BIS/CE approved</p>
43	Examination Lamp	<ul style="list-style-type: none"> • Source of Light: LED light • Illumination(Ix) should be LED • Minimum 25,000 Lux at a working distance of .5m • Radial and axial movement of the lamp • Colour temperature: minimum 4000K • Minimum Diameter of the spot 5cm • Flexible Light pipe for easy positioning of minimum length of 1meter. • Lamp Life of minimum 30000 hrs • CRI>90 • Power Requirements-Recharging unit: Input voltage- 220V-240V AC, 50Hz <p>Should be USFDA/CE approved model. Manufacturer should be ISO 13485 certified. Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements (or equivalent BIS Standard)</p>
44	Stadiometer	<ul style="list-style-type: none"> • The measuring rod can be dismantled into several pieces and can be set easily. • The scale must be printed along the side of the measuring rod. • Measuring range (Both in cm & inch): 20-205 cm and 8 - 81". • Graduation of measuring rod: 1mm / 8inch. • The structure should be made of ABS plastic. The product • should be CE certified (certificate to be submitted in technical bid) Warranty : 1 Year
45	Nebulizer	<p>Should be of Heavy duty compact Nebuliser Heavy duty ,Compact, lightweight, low noise(50dB+ 3dB) Durable long life compressor. Suitable for heavy duty/ institutional (hospital) use, should be able to run uninterruptedly for one hour. Max Pressure = 2.0-2.5 bars Operating pressure:1to1.5bars Compressor Air flow:8Lpm Normal Air Flow:4lpm Should produce particle of size 1-5 micron. Mass median Diameter (MMD) =2.5-3m. Output rate: 500gm/Min.</p> <p>Made of Heavy duty ABS body Power Supply: Power input to be 220-240VAC, 50Hz fitted with Indian plug Should be USFDA/CE approved model. Manufacturer should be ISO 13485 certified. Electrical safety conforms to the standards for electrical safety IEC 60601-1General requirements (or equivalent BIS Standard)</p>


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C	<p>46 Slide drying rack</p>	<p>Acrylic slide rack, inclined, used for draining/drying slides.</p> <p>5 slots accommodate 25 slides.</p>
	<p>47 Micropipette</p>	<ul style="list-style-type: none"> ● Should have ergonomic design with light & smooth plunger action ● Should have soft feel handle grip having both left & right hand operation ● Pipette handle should have thermoplastic elastomeric to prevent transfer of body heat to pipette volume during continuous usage ● Fully autoclavable: Entire pipette can be steam autoclaved at temp. Of 121 0C ● Should have larger & clear 3 digit display giving smaller increment for wider selection of volume ● Volume range should be of 1-10ml with increment of 20 µl ● Accuracy: 1 to 2% ● Should have locking mechanism to prevent accidental volume change during pipetting ● Should have one hand eject facility ● Should have in house clinical, repair and calibration facility ● The tip cone should have leak free operation, smooth and light loading operation with choice of using variety of tips. ● Should be compatibles to universal tip types ● Should be available with different color codes. ● Warranty: 3years. <p>Quality Standards:</p> <ul style="list-style-type: none"> ● Should be USFDA/CE (IVD) approved product ● Manufacturers should have ISO 13485 certification for quality standards ● Should be applied with individual QC & calibration report according to ISO 8655
	<p>48 Yellow Tips for Micropipette</p>	<p>Pipette tips should be designed to fit and function on a wide variety of single or multichannel pipettes. It should be manufactured from the finest grade polypropylene material for proper fit and straightness.</p> <p>Packaging: Sterile wrapped racks.</p> <p>Quality Standards:</p> <p>The item should be CE certified Manufacturer should be ISO 13485 Certified</p>

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	<p>Microscope</p> <p>49</p> <p><i>Continued -</i></p>	<p>GMDN name : Binocular Microscope</p> <p>A. General Use</p> <ul style="list-style-type: none"> ● Clinical purpose: Binocular microscope is simply a microscope that lets the viewer use both eyes. The microscope has 2 eye lenses. The development of the double eye piece microscope was adapted to reduce the eyestrain and muscular strain that typically results from traditional microscopes. ● Used by clinical department/ward: Clinical labs <p>B. Technical Characteristics</p> <ul style="list-style-type: none"> ● Technical characteristics (specific to this type of device) <ul style="list-style-type: none"> ▪ Body-Single mould sturdy stand, inclined Binocular body 30 °, 360° rotatable head ▪ Eyepieces-Highest quality 10X/20mm wide angle anti fungus field eyepiece. One with pointer. Diopter adjustment must be present on both eye pieces. ▪ Objectives-Parfocal, antifungus coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centred even if their position on turret is changed. ▪ Optical system-Infinity corrected ▪ Stage - Double plate rackless horizontal mechanical stage preferably 100 x 140 mm with fine vernier graduations designed with convenient coaxial adjustment for slide manipulation preferably through 30 x 70 mm double slide holder ▪ Sub stage-Abbe condenser focusable, continuously variable iris diaphragm ▪ Illuminator-Built-in LED light source with white light with intensity control and LED life of more than 10,000 Hrs. Colour Temperature minimum: 4000K. ▪ Finish-A durable textured acid resistant finish. ▪ Battery backup: minimum 1 Hour ▪ Nose piece: Backward tilted revolving nose piece suitable to accommodate four objectives with click stop and rubber grip. ▪ Focussing: Coaxial coarse and fine focussing knob, capable of smooth, fine focussing movement sensitivity; minimum: 300 micron; focussing stop for slide safety ▪ 12-Objectives: All DIN type Plan Achromatic (Anti Fungus) <ul style="list-style-type: none"> ▪ 04xN.A .01 WD 6.50mm ▪ 10x N.A 0.25 WD 5.6mm ▪ 40x N.A 0.65 WD .6mm ▪ 100x (Oil).N.A 1.25 WD .13mm ● User's interface : Manual ● Software and/or standard of communication (where ever required) : NA <p>C. Physical Characteristics</p> <ul style="list-style-type: none"> ● Dimensions (metric) : NA ● Weight (lbs, kg) : NA ● Capacity: NA ● Noise (in dBA) : NA
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Combined form
pre page

Microscope

Continued -

- Heat dissipation: NA
- Mobility, portability: Portable

D. ENERGY SOURCE :(Electricity)

- Power Requirements: Input voltage- single
- Battery operated: Yes with 1hour backup
- Tolerance (to variations, shutdowns): NA
- Pressure gauge : NA
- Operating pressure: NA
- Sterilizing pressure: NA
- Protection: Should have over-charging cut-off with visual symbol.
- Power consumption : less than 2 Watt

E. Accessories, Spare Parts, Consumables

- Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) : Should provide with wooden storage box, dust cover, immersion oil.

F. Environmental and Departmental Considerations

- Atmosphere / Ambiance (air conditioning, humidity, dust ...) Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.

Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."

- User's care, Cleaning, Disinfection & Sterility issues:
 - Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
 - Sterilization not required."

G. Standards and Safety

- Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international
 - Should be US FDA/CE (from a Notified body)/BIS approved product.
 - Manufacturer should have ISO 13485 certification for quality standards.
 - Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements (or equivalent BIS Standard)
 - Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.

H. Training and Installation

- Pre-installation requirements: nature, values, quality, tolerance
 - Availability of 5 amp socket;
 - Safety and operation check before handover;
- Requirements for sign-off : Certificate of calibration and inspection from the manufacturer
- Training of staff (medical, paramedical, technicians)
 - Training of users on operation and basic maintenance;
 - Advanced maintenance tasks required shall be documented

I. Warranty and Maintenance

- Warranty: 3 years
- Maintenance tasks: CMC 5 years, 2 PM Visits Annually.

All Breakdown calls to be attended within 24 hrs of registration."


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	<p><i>Continued from page</i></p> <p><i>MICROSCOPE</i></p>	<ul style="list-style-type: none"> • Service contract clauses, including prices : The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached; <p>J. Documentation</p> <ul style="list-style-type: none"> • Operating manuals, service manuals, other manuals "Should provide 2 sets(hardcopy and soft-copy) of:- <ul style="list-style-type: none"> ▪ User, technical and maintenance manuals to be supplied in English/Hindi language along with machine diagrams; ▪ List of equipment and procedures required for local calibration and routine maintenance; ▪ Service and operation manuals (original and copy) to be provided; ▪ Advanced maintenance tasks documentation; ▪ Certificate of calibration and inspection" • Other accompanying documents: List of important spares and accessories, with their part numbers and cost; <p>K. Notes</p> <ul style="list-style-type: none"> • Service Support Contact details (Hierarchy Wise; including a toll free/landline number) "Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer;" • Recommendations or warnings Any warning signs would be adequately displayed
50	Neuber Chamber	<p>The counting grid is of 3mmx 3mm in size.</p> <ul style="list-style-type: none"> • The grid should have 9 square subdivisions of width 1mm. • The central square should be split into 25 squares of width 0.2mm (200µm) • The haemocytometer should have two cover slips • The glass cover should be of squared shaped of width 22mm • Material: Thermal and shock resistant glass • The chamber should have two special clamps to avoid the cover glass to avoid edge-lift. <p>Pipette The pipette should be made of glass of maximum capacity of 20,200 and 2000µl. Dimensions (metric): length-300mm +/-10mm, 2mm thickness. Autoclaving at 121degree centigrade Should be resistance to mechanical, chemical and overheating.</p> <p>STANDARDS AND SAFETY:</p> <ol style="list-style-type: none"> 1. Should be ISO 648/IS 117 approved product. 2. Manufacturer and Supplier should have ISO13485/ ISO 9001 certification for quality standards. 3 Certificate of calibration from the manufacturer 4. The product should be USFDA/ CE marked
51	ESR Stand with tube	<p>ESR Stand with Tubes</p> <ul style="list-style-type: none"> ➤ Screw type stand with cast iron base and highly nickel plated ➤ The base shall have minimum 5tube holder ➤ 2nos spare tubes should be provided with the ESR stand. ➤ The witrobes tube should be made of Soda-lime Glass/ borocilicate glass material. ➤ Diamension:


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	ESR Stand with Tube	<ul style="list-style-type: none"> ● 110 to 120mm mm Length ● 2.9mm to 3 mm inside Diameter ● 7.0mm to 8.0mm outer diameter. <ul style="list-style-type: none"> ➤ The uniformity of the bore shall be ± 0.1 mm throughout the tube. ➤ The tube shall be graduated from 0 to 105mm ± 0.25 mm in 1-mm divisions and numbered every 1 cm from the inside bottom of the tube. ➤ The tube shall be legibly marked with the manufacturer's or vendor's name or mark and possess a frosted area for marking purposes. ➤ Open at both ends; cotton plugged ➤ Calibration in yellow/white for easy reading. ➤ It should have good chemical resistance towards acids, salt solutions and organic solutions. ➤ Can be easily cleaned with distilled water. ➤ It should be autoclavable. <p>Quality Standards:</p> <ul style="list-style-type: none"> ➤ The item should be CE certified with marking ➤ Manufacturer should be ISO 13485 Certified
52	TC-DC Count apparatus	<p>TC-DC Count apparatus: All metal case housing, durable, Chemical resistant easy to clean and disinfect. Stable and wide base with rubber feet</p> <p>Should be 8-Key model with dual reset mount Should have totalizer window</p> <p>Should have WBC maturation series picto-stip chart just above the key window</p>
53	Stopwatch	Stopwatch for Laboratory use
54	Sickling test kit	<p>Kit consists of</p> <p>R1-2x20ml(Solubility buffer)</p> <p>R2-2 vials (Solubility reagent-Sodium Dithionite) Empty reaction tube-20nos</p> <p>Result reading stand-1</p> <p>Reagent dropper-2 Sample dropper-20 Rubber teat-2</p> <p>Pack insert-1</p>
55	Water quality test- H2S Strip test	<ul style="list-style-type: none"> ● Sensitivity: 5, 10, 20, 30, 40, 50, 60 and 80 ppm (mg/L) ● Test time: 30 seconds ● Bottle of 50 test strips
56	Colorimeter	<p>Digital colorimeter for clinical biochemical test.</p> <p>Digital Colorimeter with auto zero facility displaying test result. Easy operation with auto storage facility of concentration.</p> <p>Wavelength: 410, 470, 490, 520, 540, 580, 610 & 640 nm</p> <p>Photometric range :%of Transmission 0 to 100 Absorbance -0.0 to 1.5 Abs</p> <p>Repeatability ± 0.01 Abs</p> <p>Sample volume:1ml</p>


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		<p>Light source: Halogen/LED Sample Holder :75 x 12 mm ± 0.5 mm Test tube with 10 mm Path Length With shutter. The manufacturer should be ISO13485 approved Product should be CE certified Product should be safety compliance to IEC 61010</p>
<p>57</p> <p>Centrifuge machine</p> <p>Centrifuge</p>		<p>Centrifuge Table Top- 4tube</p> <p>GMDN name : Centrifuge</p> <p>1 USE</p> <p>Clinical purpose: Used in Biochemical and Analytical labs for Hematocrit, blood Corpusule percentage, Serum Analysis, Precipitate Separation and Blood Group matching. Used by clinical department/ward: Analytical Laboratories</p> <p>TECHNICAL</p> <p>2 TECHNICAL CHARACTERISTICS</p> <p>Technical characteristics (specific to this type of device) "</p> <ul style="list-style-type: none"> • Speed: Maximum Range 3000 to3500RPM • Reciprocating Centrifugal force (RCF): 1500 to 1600 • Minimum Capacity: 60ml • Digital Timer range: 0 to 30 minutes with Hold Function • Auto Lid interlock to prevent opening while running centrifuge with emergency lidlock release. • The lid will be only opened once the motor is completely stop. • Digital display of RPM • Stainless steel Chamber easy to clean • Hinges to prevent door falling • Rotor Head Sizes: 4x 15ml.Rotor Head: Angle rotor • Rotors should be autoclavable • The unit should be vibration free." • Noise level <60dB. <p>User's interface Manual Software and/or standard of communication (where ever required) NA</p> <p>3 PHYSICAL CHARACTERISTICS</p> <p>Dimensions (metric) NA Weight (lbs, kg) NA Capacity 120 ml or above Noise (in dBA) NA Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism Mobility, portability Portable</p> <p>4 ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2.....)</p>


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*Continue from
the page*

Centrifuge

Power Requirements "220-240V/50Hz
Battery operated No
Protection NA
Power consumption 100 to 200 Watts

5 ACCESSORIES, SPARE PARTS, CONSUMABLES
Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) Rubber adapter should be provided for the use of vacutainer for 3ml and 5ml

6 ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS
6.1 Atmosphere / Ambiance (air conditioning, humidity, dust ...) 1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances.
2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%."

6.2 User's care, Cleaning, Disinfection & Sterility issues
"1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.
2) Sterilization not required."

7 STANDARDS AND SAFETY
7.1 Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international "

1. Should be FDA/CE (From a notified body) as per IVD /BIS approved product.
2. Manufacturer and Supplier should have ISO 13485 certification for quality standards.
3. Certified to be compliant with IEC 61010-1, IEC 61010-2-20 for safety. General requirements"
IEC 61010-2-020 "Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges" "

8 TRAINING AND INSTALLATION
8.1 Pre-installation requirements: nature, values, quality, tolerance "

1) Availability of 5 amp socket;
2) Safety and operation check before handover;
Requirements for sign-off Certificate of calibration and inspection from the manufacturer
Training of staff (medical, paramedical, technicians)

1) Training of users on operation and basic maintenance;
2) Advanced maintenance tasks required shall be documented

9 WARRANTY AND MAINTENANCE
Warranty 3 years
Maintenance tasks "CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration."
Service contract clauses, including prices The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;

10 DOCUMENTATION
10.1 Operating manuals, service manuals, other manuals "Should provide 2 sets (hardcopy and soft-copy) of:-
1) User, technical and maintenance manuals to be supplied in


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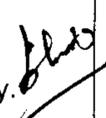
	<p><i>Contract from previous page</i></p>	<p>English/Hindi language along with machine diagrams; 2) List of equipment and procedures required for local calibration and routine maintenance; 3) Service and operation manuals (original and copy) to be provided; 4) Advanced maintenance tasks documentation; 5) Certificate of calibration and inspection" 10.2 Other accompanying documents List of important spares and accessories, with their part numbers and cost; 11 NOTES Service Support Contact details (Hierarchy Wise; including a toll free/landline number) "Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer;" Recommendations or warnings any warning signs would be adequately displayed</p>
58	Vulsellum Uterine	Vulsellum Uterine Forceps curved 25.5 cm
59	Cusco's/Graves Speculum vaginal bi-valve	Cusco's/Graves Speculum vaginal bi-valve small size
60	Sims retractor/depressor	Sims retractor/depressor small size
61	Sims Speculum vaginal double ended ISS Medium	Sims Speculum vaginal double ended ISS Medium size
62	Uterine Sound Graduated	Uterine Sound Graduated 10-12 "
63	Cord cutting Scissors	Cord cutting Scissors- Size 6 inch double action jaw with round handle. Blunt, curved on flat, 160 mm ss


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64	Foetal Doppler	<p>A portable, hand-held, battery-powered device assembly consisting of a measuring and display unit and an attached probe or interchangeable probes designed to noninvasively detect foetal heart beats using ultrasound/Doppler technology.</p> <ul style="list-style-type: none"> • Water proof probes of 2MHz & 3MHz frequency. • Ultra sound Intensity <10mw/ cm², • Auto Shut Of Facility to save Battery Power • Built –in Speaker, Volume Control Facility and Audio Output for Ear Phone • Heart Rate Range should be from 50 to 200 bpm with accuracy of + /- 2%, • Should be Water Proof Body, Should have Facility for FHR Data transfer to PC. • LCD display <p>Power Requirements AA batteries Battery operated AA battery type; Minimum Battery Time of 300 minutes.</p> <p>Accessories:</p> <ul style="list-style-type: none"> ▪ AA battery(rechargeable)-2nos ▪ 2MHz probe-1no <p>STANDARDS AND SAFETY:</p> <ul style="list-style-type: none"> ▪ USFDA or CE (Notified) or UL approved product. ▪ Type B or BF, Performance and safety standards (specific to the device type) ▪ Shall meet IEC-60601-1-2:2007 Medical electrical equipment -- Part 1-2: General requirements for basic safety and essential performance ▪ Local and/or international Manufacturer should be ISO 13485 certified
55	Suction Machine	<p>Technical Specification 0-760 mm Hg ± 10 regulable 1/4 HP; single phase motor flutter free vacuum control knob Wide mouthed 1 LITRE (Polycarbonate) with self-sealing bungs and mechanical over flow safety device. Dimensions (metric) : Portable Table top Noise (in dBA) 50 dB A ± 3 Accessories & Spares Collection container & its cap, suction tube tips, a vacuum gauge and control knob.</p> <ul style="list-style-type: none"> • Tubing:8 mm ID x 2 mtr (PVC) • 1 lt polycarbonate jar of 1nos <p>Quality Standard: Quoted model should be USFDA /CE certified, ISO 13485:2003; ISO 10079-1- 1999</p>


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66	Ambu Bag (Paediatric size) with Baby mask	<ul style="list-style-type: none"> • Manual resuscitator with transparent face-mask • Child models (750ml, &500ml bag capacity); • Standard 15/22 mm Swivel connector allows connections to all common masks Endo-tracheal Tubes; • Provision to give supplemented oxygen-by-oxygen reservoir providing 100% oxygen; • Non-re breathing valve enabling the patient to inspire oxygen from the reservoir bag. • Should be single hand opera table • Should be easy to disassemble for cleaning and disinfection • Should have pressure release valve at 40cm H2O • Should have silicone oxygen tube 2m length. • 10. It should be upto 40 times autoclavable including bag and washers. • The bag should be made of soft silicone material. • Self-Inflating Resuscitator bag should be of medical grade silicone rubber. • The reservoir should be a PVC bag of 600ml capacity 500ml bag capacity and 1000ml for 750ml bag capacity. <p>1 Accessories (mandatory):- Silicon bellows, Non Rebreathing Valve, 2 meter oxygen tube, Guedel Airway sizes viz 0 and 1, Neonatal Mask of 3 sizes viz 00, 0 and 1</p> <p>STANDARDS AND SAFETY ISO 13485; Manufacturer / supplier should have ISO certificate for quality standard. Should be USFDA / CE (From notified body) approved product or BIS certified should meet ISO 10651-4 standard requirement</p>
67	Interdental cleaning aids	Wooden/plastic Triangular Sticks Interproximal Brushes
68	Dental Probe	Single Ended with round handle. Made of SS, Handle of size 12mm, and Graduated probe. CPI TN/UNC15 type made of stainless still 410 /420 grade.
69	Universal tooth extractor	Dental Forceps of standard size for adult use. Straight curvature with Serrated work surface area. Made of Stainless Steel 410 grade. Instrument handle is of English pattern. The set shall be consists of 12 items of universal dimensions.
70	Torch	LED focusing torch with chrome/steel ribbed body (medium size) with battery
71	Tongue Depressor	Wooden flat disposable tongue depressor. Box size:100/Box
72	Mouth Gag	Size-5", Finger ring instrument with grip & locking system. Blades of 1" long &1/4" wide.
73	Mouth Mirror	Angular mirror-2 pieces To provide indirect vision To retract lips, cheeks, and tongue To reflect light into the mouth. Accurate image from flat surface mirrors, image magnified with concave mirrors. Size of 14mm -22 mm of Plane size. Stainless Steel. Fog free with Flat/round ribbed handle. The mirror shall be made of fiber glass and the handle shall be made of stainless steel 410/420 grade
74	Tuning fork	Nickel-plated steel, material thickness 8 mm, Frequency: 128 Hz / 512 Hz
75	Nasal Speculum (St. Claire's)*	Nasal Speculum of length 3" having two 5mm wide x 11mm long blades.
76	Ear Speculum – metallic, dull finish	Ear Speculum – metallic, dull finish
77	Jobson-Horne probe	Jobson-Horne probe-Curette loop at one end and threaded section at the other end for holding cotton wool Manufactured from carbon filled nylon material to provide better strength and flexibility.


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Otoscope

Continuity

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Otoscope

- GMDN name: Otoscope
 - Clinical purpose: An otoscope or auriscope is a hand-held and battery powered device containing illumination and viewing optics medical device which is used to look into the ears. Health care providers use otoscopes to screen for illness during regular check-ups and also to investigate ear symptoms. An otoscope potentially gives a view of the ear canal and tympanic membrane, or eardrum.
 - Used by clinical department/ ward: ENT
- Technical characteristics (specific to this type of device):
 - Battery (3.5v) operated high efficiency Fiber optic LED otoscope with detachable head and handle with high quality optics.
 - The viewing window with 3x magnification.
 - Should have on/off button on the handle for illumination, the handle should be made of Solid metal- chrome slip type shockproof.
 - The light should have minimum colour temperature of 4000k with CRI >90 for Bright and homogeneous illumination with excellent colour rendering.
 - Should have rotating knob to control the intensity of the otoscope.
 - The LED lamp life should be more than 10000 hrs.
- User's interface: Manual
- Software and/or standard of communication (where ever required):NA
- PHYSICAL CHARACTERISTICS
 - Dimensions (metric): Hand Held Portable
 - Weight (lbs, kg): NA
 - Configuration : NA
 - Noise (in dBA) :NA
 - Heat dissipation: NA
 - Mobility, portability : Handheld device
- ENERGY SOURCE (electricity)
 - Power Requirements : NA
 - Battery operated : Yes
 - Tolerance (to variations, shutdowns): NA
 - Protection : NA
 - Power consumption : NA
- ACCESSORIES, SPARE PARTS, CONSUMABLES
 - Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)
 - ✓ Battery -2nos
 - ✓ Reusable EAR specula of 2mm, 3mm, and 4mm three from each. The specula should be autoclavable.
 - ✓ Storage case (rigid and steady)
- ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS:
 - Atmosphere / Ambiance (air conditioning, humidity, dust ...)
 - ✓ Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.
 - ✓ Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%
 - User's care, Cleaning, Disinfection & Sterility issues Disinfection:


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Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover.

- STANDARDS AND SAFETY

- Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international

- ✓ Product should be USFDA/CE approved
- ✓ Should have IEC 60601-1/IEC 60601-1-2/CE (EU) certificate;
- ✓ Manufacturer / supplier should have ISO 13485 certificate for quality standard;

- TRAINING AND INSTALLATION

- Pre-installation requirements: nature, values, quality, tolerance: NA
- Requirements for sign-off Certificate of calibration and inspection from the manufacturer
- Training of staff (medical, paramedical, technicians)
 - ✓ Training of users on operation and basic maintenance;
 - ✓ Advanced maintenance tasks required shall be documented

- WARRANTY AND MAINTENANCE

- Warranty: 3 years including bulb
- Maintenance tasks
 - ✓ Maintenance manual detailing;
 - ✓ Complete maintenance schedule;
- Service contract clauses, including prices:
 - ✓ The spare price list of all spares and accessories required for maintenance and repairs in future after guarantee / warranty period should be attached.
 - ✓ Free servicing (min. 2/year) during warranty period

- DOCUMENTATION

- Operating manuals, service manuals, other manuals Should provide 2 sets (hardcopy) of:-
 - ✓ User, technical, maintenance and service manuals to be supplied along with machine diagrams;
 - ✓ List of equipment and procedures required for local calibration and routine maintenance;
 - ✓ Certificate of calibration and inspection;
- Other accompanying documents List of important spares and accessories, with their part numbers and cost;

- NOTES

Otoscope
Continuing



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	<p><i>Otoloscope Continuity</i></p>	<ul style="list-style-type: none"> ▪ 11.1 Service Support Contact details (Hierarchy Wise; including a toll free/landline number): Contact details of manufacturer, supplier and local service agent to be provided; ▪ Any Contract (AMC/CMC/ad-hoc) to be declared by the manufacturer; ▪ Recommendations or warnings: Any warning signs would be adequately displayed
<p><i>79</i></p>	<p>Whole blood finger prick HIV Rapid Test & STI screening test</p>	<p>Intended of Use: The assay should be able to detect antibodies of HIV1, HIV2 and all the subtypes by detection of antibodies by the agglutination/ Enzyme</p> <p>Should be 3rd generation:</p> <ul style="list-style-type: none"> • The assay should have sensitivity of 100% or more and specificity of 100% or more as per data from an identified national reference laboratory. • The assay should have solid phase/ particles coated with synthetic and/ or recombination or both types of antigens of HIV1 & HIV2. • Total procedure time should not be more than 30 minutes. • The manufacturers should ensure that: <ul style="list-style-type: none"> ▪ The test kit should be packed such that there is a provision to conduct single test at a time; ▪ The assay components should include HIV positive and negative serum controls sufficient for conducting 20% of the tests (10% negative and 10% positive controls); and ▪ The pack size of HIV rapid test kits should be 30 tests per Kit. • The manufacturer should be ISO 13485 certified. • The strips should be USFDA/CE (IVD) approved. • The strips should be DCGI approved.
<p><i>80</i></p>	<p>Typhoid rapid test kit</p>	<p>Widal test KIT <u>The test kit should have the following configuration</u></p> <ol style="list-style-type: none"> 1. 'O' Antigen 5ml 2 'H' Antigen 5ml 3 AH' Antigen 5ml 4 BH' Antigen 5ml 5 Positive control 5ml 6 Negative control 5ml 7 Test Serum Sample 2 ml 8 Glass Slide 1 No.RT 9 Disposable Mixing Sticks <ul style="list-style-type: none"> ➤ Result should be within 3 minutes ➤ Homologues antigen antibody reaction with no cross reactivity with other salmonellar groups ➤ High specificity:98% ➤ Higher sensitivity:98% ➤ Self-life 1year

<p><i>81</i></p>	<p>Snellen vision chart</p>	<p>Snellen vision chart</p>
<p><i>82</i></p>	<p>Near vision chart</p>	<p>Near vision chart</p>


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**PRICE BID (COVER-B) FOR
MEDICAL INSTRUMENT, EQUIPMENTS, MACHINERY, FURNITURE, DRUGS & CONSUMABLES**

SL NO.	NAME OF ITEMS	Unit Price with all accessories and transportation charges excluding GST)	Rate of GST
1-A	Sphygmomanometer- Aneroid Type		
1-B	Sphygmomanometer - Mercury Type		
1-C	Sphygmomanometer - Digital Type		
2	Autoclave small		
3	VIA Kit --(Visual inspection with Acetic acid kit)- NO INDIVIDUAL RATE		
A	Gloves=6.5", 7, 7.5" , 1pkt 100 gloves	COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS	A TO H
B	Cotton swabs-sterile-1 pack of 100swabs(zipped)		
C	distilled water-1 ltr./bot		
D	Led focusing torch chrome/steel ribbed body(medium size)with battery		
E	Glass Slide-1pkt of 100nos		
F	Vaginal Speculum - Cusco Medium and Small Stainless steel 410 grade@1each size		
G	Glacial Acetic acid- 0.5%/100ml / 1bottles		
H	Bag for carrying above items.@1nos		
4	OVE KIT (Oral visual Examination Kit-NO INDIVIDUAL RATE		
A	1. Angular Mirror:- 2 pieces to provide indirect vision to retract lips, cheeks, and tongue, to reflect light into the mouth. Accurate image from flat surface mirror, image magnifying with concave mirrors. Size of 14mm-22mm of plane size, stainless steel, fog free with flat/round ribbed handle. The mirror shall be made of fiber glass and the handle shall be made of stainless steel 410/420 grade.	COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS	A TO G
B	2. Hand Gloves:- Plastic Gloves (Sterile) Size: 6.5", 7, 7.5, 1pkt of 100 gloves Made form Food Grade Plastic		
C	3. LED Focusing Torch:- Led focusing torch chrome/steel ribbed body (medium size) with battery		
D	4. Wooden Specula:- Set of 100 mini Medline wood tongue depressors; 6 inches in length and flat, thin, wooden blades, smoothed and rounded at both ends. Warranty not applicable		
E	5. Carrying Bag:-Good quality bag for storing the above mentioned items		
F	6. Cotton:-100gms per packet		
G	7. Gauze:-Gauze most commonly used by Hospitals		


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	7.5cm x 10 mtr. Rolled sterilized		
5	Examination lamp(Specification Enclosed)		
6	Hemoglobinometer (strip/micro-cuvette) (Specification Enclosed)		
7	Hospital Instrument Cabinet(Specification Enclosed)		
8	Iron Rack (Specification Enclosed)		
9	ELECTRICNEEDLE AND SYRINGE Hub Cutter		
10	BLANKET FOR NEONATE		
11	BABY FEEDING SPOON		
12	MEASURING TAPES		
13	DIGITAL WRIST WATCH		
14	MUCOS EXTRACTOR		
15	HBNC ASHA KIT BAG		
16	Basin deep 6lt		
17	Dressing drum with cover 0.946 ltSS		
18	Kellys forceps 140MMST		
19	Neuber Chamber		
20	TC DC Count apparatus		
21	Stop watch		
22	Vulsellum uterine Forceps curved25.5cm		
23	Uterine sound graduator		
24	Cord cutting scissor curved on flat 160mm SS		
25	Ambu Bag with baby mask		
26	Inter dental cleaning aids		
27	Dental probe		
28	stomach wash		
29	Flash light/Torch (4cell)		
30	Jobson -Horne probe		
31	Otoscope		
32	Snellen vision chart		
33	Near vision chart		
34	Oxygen cylinder filled O2 with all fitting and trolley		
35	Centrifuge Mchine		
36	Slide drying rack		
37	Micropipette (yellow tips)		
38	ESR stand with tube		
39	Tuning Fork		
40	Micropipette		
41	Water quality test-H2S Strip test		
42	Whole blood finger prick HIV Rapid Test & STI screening test		
43	Thyphoid rapid test kit		
44	Chair for patient waiting area		
45	Bed side screen 3 fold in LR&Wards		
46	Steel Almirah / cupboard / storage		
47	Examination Table with foot step		
48	I.V. Stand		
49	Basin & 25ml SS		
50	Instrument tray with cover 310X195X63mm SS		
51	Dressing drum with cover		
52	Sterilizer electrical 24X8X6 (Sterilizer)		
53	Surgical Instrument J) Kellys forceps 140MMST		
54	K) Chetle forceps		


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55	L) Needle Holder		
56	M) Scalp holder for B.P. Blade-6"		
57	N) Sponge Holder		
58	O) Kidney tray		
59	P) Artery forcep-st/curved 160mmSS		
60	Q) Stitch cutter		
61	R) Allis forceps		
62	J) Dressing forceps 160MMSS		
63	Gauze cutting scissors (tailor scissor BRASS HANDLE 20")		
64	Stadiometer		
65	Nebulizer		
66	Colorimeter		
67	Cusco / Graduates speculum vaginal Bi-valve		
68	Sims retractor depressor		
69	Sims speculum vaginal double ended		
70	Foetal Doppler		
71	Rapid diagnostic testing kit for hepatitis B&C		
72	Universal tooth extractor		
73	Foetoscope		
74	Episiotomy scissors		
75	Tongue depressor		
76	Mouth Gag(stomach wash)		
77	Nasal speculum		
78	Ear speculum -metallic .dull finish		
79	SHARP DISPOSABLE CONTAINER		
80	INFANTOMETER		

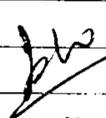
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ANNEXURE-II

LIST OF MEDICAL INSTRUMENT, EQUIPMENTS, MACHINERY FURNITURE, DRUGS & CONSUMABLES

SL NO.	NAME OF ITEMS	Whether items quote same as per our specification (Y/N)
1-A	Sphygmomanometer- Aneroid Type(Specification Enclosed)	
1-B	Sphygmomanometer - Mercury Type(Specification Enclosed)	
1-C	Sphygmomanometer - Digital Type(Specification Enclosed)	
2	Autoclave small Single Bin(Specification Enclosed)	
3	VIA Kit -(Visual inspection with Acetic acid kit)	
A	Gloves=6.5", 7, 7.5" , 1pkt 100 gloves	COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS
B	Cotton swabs-sterile-1 pack of 100swabs(zipped)	
C	distilled water-1 ltr./bot	
D	Led focusing torch chrome/steel ribbed body(medium size)with battery	
E	Glass Slide-1pkt of 100nos	
F	Vaginal Speculum - Cusco Medium and Small Stainless steel 410 grade@1each size	
G	Glacial Acetic acid- 0.5%/100ml / 1bottles	
H	Bag for carrying above items.@1nos	
4	OVE KIT (Oral visual Examination Kit	
A	1.Angular Mirror:- 2 pieces to provide indirect vision to retract lips, cheeks, and tongue, to reflect light into the mouth. Accurate image from flat surface mirror, image magnifying with concave mirrors. Size of 14mm-22mm of plane size, stainless steel, fog free with flat/round ribbed handle. The mirror shall be made of fiber glass and the handle shall be made of stainless steel 410/420 grade.	COMPOSITE KIT IN CARRYING BAG ABOVE ITEMS
B	2.Hand Gloves:- Plastic Gloves (Sterile) Size: 6.5", 7,7.5,1pkt of 100 gloves Made form Food Grade Plastic	
C	3.LED Focusing Torch:- Led focusing torch chrome/steel ribbed body (medium size)with battery	
D	4.Wooden Specula:- Set of 100 mini Medline wood tongue depressors; 6 inches in length and flat, thin, wooden blades, smoothed and rounded at both ends. Warranty not applicable	
E	5.Carrying Bag :-Good quality bag for storing the above mentioned items	
F	6.Cotton:-100gms per packet	
G	7.Gauze:-Gauze most commonly used by Hospitals 7.5cm x 10 mtr. Rolled sterilized	
5	Examination lamp(Specification Enclosed)	
6	Hemoglobinometer (strip/micro-cuvette) (Specification Enclosed)	
7	HOSPITAL Instrument CABINET(Specification Enclosed)	
8	Iron Rack 4 & 6 SHELVES(Specification Enclosed)	
9	ELECTRICNEEDLE AND SYRINGE Hub Cutter(Specification Enclosed)	
10	BLANKET FOR NEONATE(Specification Enclosed)	
11	BABY FEEDING SPOON(Specification Enclosed)	
12	MEASURING TAPES(Specification Enclosed)	
13	DIGITAL WRIST WATCH(Specification Enclosed)	
14	MUCOS EXTRACTOR(Specification Enclosed)	
15	HBNC ASHA KIT BAG(Specification Enclosed)	
		SPECIFICATION
16	Basin deep 6lt	(Specification Enclosed)
17	Dressing drum with cover 0.946 ltSS	(Specification Enclosed)
18	Kellys forceps 140MMST	(Specification Enclosed)
19	Neuber Chamber	(Specification Enclosed)
20	TC DC Count apparatus	(Specification Enclosed)
21	Stop watch	(Specification Enclosed)
22	Vulsellum uterine Forceps curved25.5cm	(Specification Enclosed)
23	Uterine sound graduator	(Specification Enclosed)
24	Cord cutting scissor curved on flat 160mm SS	(Specification Enclosed)
25	Ambu Bag with baby mask	(Specification Enclosed)


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26	Inter dental cleaning aids	(Specification Enclosed)	
27	Dental probe	(Specification Enclosed)	
28	stomach wash	(Specification Enclosed)	
29	Flash light/Torch (4cell)	(Specification Enclosed)	
30	Jobson -Horne probe	(Specification Enclosed)	
31	Otoscope	(Specification Enclosed)	
32	Snellen vision chart	(Specification Enclosed)	
33	Near vision chart	(Specification Enclosed)	
34	Oxygen cylinder filled O2 with all fitting and trolley	(Specification Enclosed)	
35	Centrifuge Mchine	(Specification Enclosed)	
36	Slide drying rack	(Specification Enclosed)	
37	Micropipette (yellow tips)	(Specification Enclosed)	
38	ESR stand with tube	(Specification Enclosed)	
39	Tuning Fork	(Specification Enclosed)	
40	Micropipette	(Specification Enclosed)	
41	Water quality test-H2S Strip test	(Specification Enclosed)	
42	Whole blood finger prick HIV Rapid Test & STI screening test	(Specification Enclosed)	
43	Thyphoid rapid test kit	(Specification Enclosed)	
44	Chair for patient waiting area	(Specification Enclosed)	
45	Bed side screen 3 fold in LR&Wards	(Specification Enclosed)	
46	Steel Almirah / cupboard / storage	(Specification Enclosed)	
47	Examination Table with foot step	(Specification Enclosed)	
48	I.V. Stand	(Specification Enclosed)	
49	Basin & 25ml SS	(Specification Enclosed)	
50	Instrument tray with cover 310X195X63mm SS	(Specification Enclosed)	
51	Dressing drum with cover		
52	Sterilizer electrical 24X8X6	FOR SINGLE BIN AUTO CLAVE SS	
53	Surgical Instrument	(Specification Enclosed)	
	A) Kellys forceps 140MMST		
54	B) Chetle forceps	(Specification Enclosed)	
55	C) Needle Holder	(Specification Enclosed)	
56	D) Scalp holder for B.P.Blade-6"	(Specification Enclosed)	
57	E) Sponge Holder	(Specification Enclosed)	
58	F) Kidney tray	(Specification Enclosed)	
59	G) Artery forcep-st/curved160mmSS	(Specification Enclosed)	
60	H) Stitch cutter	(Specification Enclosed)	
61	I) Allis forceps	(Specification Enclosed)	
62	J)Dressing forceps 160MMSS	(Specification Enclosed)	
63	Gauze cutting scissors (tailor scissor)	(Specification Enclosed)	
64	Stadiometer	(Specification Enclosed)	
65	Nebulizer	(Specification Enclosed)	
66	Colorimeter	(Specification Enclosed)	
67	Cusco / Graduates speculum vaginal Bi-valve	(Specification Enclosed)	
68	Sims retractor depressor	(Specification Enclosed)	
69	Sims speculum vaginal double ended	(Specification Enclosed)	
70	Foetal Doppler	(Specification Enclosed)	
71	Rapid diagnostic testing kit for hepatitis B&C	(Specification Enclosed)	
72		(Specification Enclosed)	
73	Universal tooth extractor	(Specification Enclosed)	
74	Foetoscope	(Specification Enclosed)	
75	Episiotomy scissors	(Specification Enclosed)	
76	Tongue depressor	(Specification Enclosed)	
77	Mouth Gag(stomach wash)	(Specification Enclosed)	
78	Nasal speculum	(Specification Enclosed)	
79	Ear speculum -metallic ,dull finish	(Specification Enclosed)	
80	KIDNEY BASIN	(Specification Enclosed)	


 CDMS/PHD
 B. Noorhuda