ZILLA SWASTHYA SAMITI, BALASORE

O/o the CDM&PHO cum District Mission Director, Balasore

SHORT TENDER CALL NOTICE

Sealed Tender are invited from registered and authorized firms/Dealers only having valid PAN Card & GST Registration certificate for providing clinical material, lab Diagonostics and equipments. The terms & conditions and all other details will be available at website www.baleswar,nic.in till 18.08.2018 up to 5 p.m. The bid document should reach the O/o The Chief District Medical & Public Health Officer, Balasore latest by 18.08.2018 up to 5 p.m by speed post/registered only and will be opened on 20.08.2018 at 3.30 p.m. The authority has every right to accept or reject the tender without assigning any reasoning thereof.

Sd/
CDM&PHO-cum-District Mission Director
District Health Mission, Balasore

TENDER DOCUMENT FOR Clinical Materials, Lab Diagonostics, Equipments.

1. Sealed tenders are invited from interested agencies having adequate experience in supply of different medical consumable & equipments.
2. Interested bidders may obtain details terms and conditions from the website www.baleswar.nic.in for taking up this assignment. The sealed tender will be received through Registered Post / Speed Post only on or before dt.**18.08.2018 by 05:00 PM.** The bids received through hand /Telex / Telegrams / Fax / Email/courier shall not be acceptable. The bids will not be accepted after last date and time specified in the tender document. It will be opened on date 20.08.2018 at 3.00 P.M in the O/o CDM& PHO cum DMD, Balasore, DHH, Balasore.
3. The bidders shall ensure that each page of the tender document is to be signed with authorized signatory and company seal.
4. It is suggested that the perspective bidders may submit their tender after clarifying doubts at the above mentioned address between 10.00 AM to 1.00 PM on all working days from the date of issue of notification till the date of closure of tender.

The tender will be in two parts i.e. technical bid. (Cover-A) and price bid (Cover-B). The bidders should give their technical and financial proposal separately in two envelopes and should be put into another cover super scribed as “Proposal for supply of clinical materials, Lab Diagonostics, equipments & furnitures.

5. Bidders who qualify in the technical bid will be eligible for financial evaluation.
6. Quantities may be increased / decreased by the tender inviting authority as per the requirement.
7. The quoted price shall remain valid for a period of not less than 1 year from the date of approval.
8. The items should to be supplied within maximum 2 weeks of time from the date of purchase order / award of work. The CDM&PHO, Balasore reserves right to cancel the order in the case of delay in delivery of all the items.
9. It would be the responsibility of the Bidder’s representative (only one person per bidder allowed) to be present at the venue of opening of Bids. In case of absence of any bidder then bid document could be opened by the committee members.
10. The items delivered should be as per the specification mentioned with clear visibility of contents. If found defective, the same has to be replaced immediately within seven days & any additional cost require will be borne by the concerned awarded party.
11. Tender Document can also be downloaded from the Balasore NIC website **www.baleswar.nic.in** and may be submitted along with above prescribed tender form fee non refundable of Rs.500.00 (Rupees Five Hundred only) payable at Balasore through DD/Banker Cheque of any nationalized bank drawn in favour of "ZSS” ,Payable at Balasore.

TERMS AND CONDITIONS

	Terms & Conditions	Documents to be Submitted
1	The organization should be a bonafide registered body	Registration certificate (SSI/Firm/GST)
2	The organization should have GST Number	Photo copy of GST regd.
3	Conditional Tenders are liable to be rejected. In the event of acceptance, CDM& PHO decision will be final. The tender, which is not as per our required specifications, will not be considered.	
4	**I**f the successful bidder fails to supply within the stipulated period i.e. 60 days, liquidated damage @ 0.5% of the tender value, per week of delay shall be deducted from the final payment. Deduction shall be made till 2% of purchase order rate. If the bidder still fails to supply, his order stand cancelled.	
5	The CDM& PHO will not pay any advance payment to the organization. The organization will have to carry out the entire job on its own and the amount will be paid only after satisfactory completion of the job and submission of bill in that regard.	
6	All information, documents and data coming in the possession of the organization as a result of execution of the job shall at all time remain the property of the CDM& PHO, Balasore. The organization shall not make or allow any of his employee or agents etc. to make an unauthorized copy, use, access or other utilization of this material commercially or otherwise, directly or indirectly except as agreed to by the Office. The organization shall also ensure complete confidentiality of the information and data provided to it in the course of carrying out the job.	
7	Bidder must have sound knowledge of latest intellectual and properly right. The authority who assigns the work is no way responsible for any deviation made by the supplier in this regard.	
8	The cost towards the testing of sample will be borne by the successful bidder	
9	The CDM& PHO reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever.	
10	Under no circumstance shall the organization appoint any sub-contractor or sublease the contract. If it is found that the organization has violated these conditions the contract will be terminated forthwith without any notice and security deposited by the organization shall be forfeited.	
11	Rates quoted against this tender enquiry shall remain valid up to **12 months** after publication of approved rate. No request for increase in rates, if any, will be allowed or entertained during this period.	
12	The head of the organization (bidder) should submit an authorization and specimen signature of their authorized signatory.	
13	The agency must have delership, distributorship certificate for the items in tender call notice to supply in case selected for the same.	

Procedure for tender application

1. **Technical BID:-**

Documents to be submitted in the Technical Bid otherwise rejected are follows:

i. Demand Draft towards EMD amounting to Rs. 10**,000/-** (Rupees Ten Thousand Only) **/- in favor of "ZSS, Balasore" payable at Balasore only DD/Banker Cheque from any national Bank.**

ii. Copy of PAN card and IT return acknowledgement slip of last three F.Y 2014-15 2015-16 & 2016-17.

iii. Average annual turnover Rs.5,00,000/- in the auditor certified format.

iv. The bidder must furnish copy of GST Registration certificate.

v. Forwarding letter/Self-Declaration form on non-judicial paper **.**

vi. Tender cost Rs.500/- non refundable in favor of "ZSS, Balasore" payable at Balasore only DD/Banker Cheque from any national Bank.

vii. The dealership/distributorship certificate is to be submitted in case of non manfacturing organisations.

2. Price Bid.

The price Bid should be submitted in separate Sealed envelope.

i. Hard Copy signed & sealed both in words and figures.

ii. The Price bid of the technical qualified bidders will only be opened.

iii. The net quoted price (Cost of all items along with all taxes& transportation) should both in figures and words. In case of difference in words and figures, words will be taken into consideration for evaluation.

3. Earnest Money Deposit– (EMD)

3.1 Rs 10000(Rupees Ten Thousand only)for tender on clinical materials,Lab Diagonostics,Equipments should be paid as EMD in the form of Demand Draft from a Nationalised Bank located in India, drawn in favor of ZSS, Balasore payable at Balasore and submitted in the Technical Bid. The bidder should write the organization name at the back side of the DD. *Bids without EMD shall be treated as non-responsive and will not be accepted. No exemption from submission of EMD is allowed.*

3.2 The EMD of successful bidder is liable to be forfeited if the tenderer, revokes any terms of the tender within the validity period that will liable towards ***blacklisting for minimum 2 years & concerned party could not participate in further bidding in under Zilla Swasthya Samiti, Balasore.***

3.3EMDs given by unsuccessful bidders will be refunded after placing of work order to the successful bidder.

3.4 EMD of the successful bidder will be forfeited in case the successful bidder fails to accept/executes the order.

3.5 EMD of successful bidder will be returned after receiving of successful delivery certificate of all items.

3.6 EMD shall not carry any interest.

4 EVALUATION :

The rates of the item quoted by the technically qualified bidders will be evaluated after taking the following points into consideration: -

4.1Rate of items of each bidder will be taken after inclusion of all taxes as applicable.

4.2After Evaluation the lowest Eligible Bidder (NET Price) will be selected subject to confirmation of the technical specification of the item.

FORWARDINGLETTER/SELF DECLARATION FORM

(To be submitted on Bidder's non-judicial paper)
[To be submitted in Technical Bid]

To
CDM& PHO cum District Mission Director
Balasore

Dear Madam/Sir,

Sub: Your Tender Ref. No. **_____**, Dated **_____.**

This is with reference to your above mentioned tender for supply of Having clinical materials,Lab Diagonostics and equipments examined the tender document, we hereby submit our proposal along with the necessary documents. I / We hereby declare that our company is having unblemished past record and was not under a declaration of ineligibility for corrupt and fraudulent practices issued by Government of India or any State Government/PSU in the country of India.

Further, we agree to abide by all the terms and conditions as mentioned in the tender document. We have also noted that NHM reserves the right to consider/ reject any or all bids without assigning any reason thereof.

Date:_____/_____/2018

Authorised Signatory:

Name:

Designation:

Place:

Phone:

Email:

(To be submitted in ***Cover A -Technical Bid***)
*(To be furnished in the **letter head** of the Auditor/ Chartered Account)*

ANNUAL TURN OVER STATEMENT

The Annual Turnover for the last three financial years of M/s_____ who is a Manufacturer /Distributor/Importer *(Pl. tick whichever is applicable)* are given below and certified that the statement is true and correct.

Sl.No.	**Year**	**Turnover in (Rs.)**
1.	2014 - 2015 (FY)	-
2.	2015 – 2016 (FY)	-
3.	2016 – 2017 (FY)	-

Average Annual Turnover (for the above three years) in **(Rs.)_____**

Date:
Place:

Signature of Auditor/
Chartered Accountant
(Name in Capital)

Seal

Membership No.-
Registration No. of Firm

Note:

*a) To be issued in the **letter head** of the Auditor/Chartered Accountant mentioning the Membership no.*

PRICE BID

SL No	*Particulars*	*Name of the Manufacturer with Model No*	**Rate per Clinical material,Lab Diagonstics & Equipments (In Rupees)*
	Details Rate submitted item wise as mentioned in the technical specifications		
	.		

**Rates should be quoted inclusive of cost of Transportation as per specifications; also inclusive of all taxes as applicable.*

(Signature and seal of the authorized signature)

Technical specifications for Equipment/ Instruments for HWCs

1. Furniture and Fixtures

Quality Standard:

- 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	Specifications
Chairs for patient waiting area	The chair should be heavy duty construction of three seatercapacity. The frame structure shall be constructed with durable steel able to resist to rust. All joints shall be welded and all exposed surfaces shall best raight 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
Bed sight 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.
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.
Examination Table	**Technical Specification** • 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 40density PU foam • Tubular construction, machine pressed double bend mild steel sheet • Headrest adjusted on ratchet • Legs fixed with rubber feet. • Pre-treated and epoxy powder coated • Patient load bearing capacity of 120 kgs minimum. **Foot Step** The step stools shall have a maximum load capacity of 150 kg.

Items	Specifications
	Stainless steel frame shall be made of square /round steel tubing 20 x 20 mm. Should be double-step type with step heights of are 200 and 400 mm (+/-10mm) respectively. It should be provided with slip-resistant steps are made of black moulded polyurethane (PU) coated foam plates of minimum 15mm thickness. Overall dimension:590x410x200/400 mm.
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.
Clinical Material, tools and equipment	
Basin 825 ml. Ss (Stainless Steel)	Basin of 825 ml. Ss (Stainless Steel)
Basin deep (capacity 6 litre)	SS Basin square/rectangular shaped of capacity 6liter.
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 Prodcut should be BIS/CE approved
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
Hemoglobinometer (strip/micro-cuvette)	It should be a point of care instrument to measurehemoglobin. The unit should have LCD screen for instant display oftest result. • It should be Factory calibrated as per ICSH (International • Council for Standardization in Haematology). Needs nofurther calibration • Self-checking facility should be there between everymeasurement • 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 ≥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. **Soft keys for user operation.** It should communicate through mini-USB connector with a Computer/ laptop. Battery operated; The battery should support at least 500 tests. Each device should 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.

Items	Specifications
	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. **Safety & Quality Standard:** 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.
Weighing Scale, Adult 125 kg/280 lb	Sturdy **dial type mechanical** platform weighing machine for adult and children. Zero adjustment facility should be there. Sensitivity: 500 gm Range of weighing: 0-125kg 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. Certified manufacturer** (certificate to be submitted). Warranty: 1 Year
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
Sphygmomanometer Aneroid 300 mm with cuff	**Technical Specification of BP Apparatus(Aneroid)** • Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve, scale 0-300 mm hg with accuracy of +/- 3mmHg • Air release at closed lap with maximum 4mmHg/Minute. • Manual setting of deflation possible upto 2/3mm Hg/sec. From 260mmHg To 15mm Hg in a maximum deflation time of 10 seconds. • Gauge's background in white colour. • Graduated scale for ever/ 2mmhg, every 10 units and every 20units. • Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve. • The cuff is inflated just to fit in the limb for which an inflation bulb is used to control the air pressure within the cuff. • The rubber tubes used should have an internal diameter of 3 ± 0.5mm and the external diameter should not be less than 8mm; The dial manometer with diameter of 50 mm-60mm **Accessories (mandatory, standard, optional)-**adult arm cuffs of size medium & large and paediatric size, inflation bulb, tubing **STANDARDS AND SAFETY** Manufacturer should be ISO13485; should be USFDA, CE, BIS or UL approved product
Surgical Instruments	**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
Kelly's Forceps	Kelly's hemostat Forceps straight 140 mm

Items	**Specifications**
Cheatle's Forceps with Holder	Cheatle's Forceps 10" with SS Holder
Needle Holder	Needle holder -8inch
Scalpel holder with blade	Central Store supply
Sponge holder	Sponge holding forceps 8" with double action Jaws
Kidney tray	Kidney tray,8"
Artery Forceps, straight, 160mm Stainless steel	Artery Forceps, straight, 160mm Stainless steel
Stitch cutter	Stitch cutting size with round handle double action jaw of 6 inch.
Allis forceps	Tissue Forceps finger ring, ratcheted forceps straight with 5x6 teeth and an overall length of 7-1/2 inches.
Dressing Forceps (spring type), 160 mm, stainless steel	Dressing Forceps (spring type), 160 mm, stainless steel
Stethoscope	Stethoscope of standard size, chromium plated metal binaural, V rubber tube in one piece. Rotating piper fitting for both flip functions. Doubleheadpaediatric&Adult stethoscope. • 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
Hub Cutter and Needle Destroyer	• 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. • 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. **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
Artery Forceps-Curved	Artery Forceps 5"Curved double action jaw ratcheted with ring handle double action jaws.
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"
Digital Thermometer	Range of temperature measurement 320C- 420 (89.60F-109.40F).

Items	Specifications
	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 ± 0.1degC and ± 0.2 F. User's interface :LCD display Manufacturer should be ISO13485 approved Product should be BIS/CE approved
Examination Lamp	• Source of Light: LED light • Illumination(lx) 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 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)
Stadiometer	• 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
Nebulizer	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. 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)
Lab -Diagnostic Materials	
Slide drying rack	Acrylic slide rack, inclined, used for draining/drying slides.

Items	Specifications
	5 slots accommodate 25 slides.
Micropipette	• 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. **Quality Standards:** • 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
Yellow Tips for Micropipette	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. Packaging: Sterile wrapped racks. **Quality Standards:** **The item should be CE certified** **Manufacturer should be ISO 13485 Certified**
Microscope	**GMDN name** : **Binocular Microscope** **A. General Use** • **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 **B. Technical Characteristics** • **Technical characteristics (specific to this type of device**) ▪ Body-Single mould sturdy stand, inclined Binocular body 30 °, 360º 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

Items	Specifications
	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. ▪ Battrey backup: minimum 1 Hour ▪ Nose piece: Backward tilted revolving nose piece suitable to acomodate four objectives with click stop and rubber grip. ▪ Focussing: Coaxial coarse and fine focussing knob, capable of smooth, fine focussing movement senstivity; minimum: 300 micron; focussing stop for slide safety ▪ 12-Objectives: All DIN type Plan Achromatic (Anti Fungus) ▪ 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 **C. Physical Characteristics** • **Dimensions (metric)** : NA • **Weight (lbs, kg)** : NA • **Capacity**: NA • **Noise (in dBA)** : NA • **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 Consideratons** • **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.

Items	Specifications
	▪ 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 registartion." • **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; **J. Documentation** • **Operating manuals, service manuals, other manuals** "Should provide 2 sets(hardcopy and soft-copy) of:- ▪ 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; **K. 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/add-hoc) to be declared by the manufacturer;" • Recommendations or warnings Any warning signs would be adequately displayed
Neuber Chamber	The counting grid is of 3mmx 3mm in size. • The grid should have 9 square subdivisions of width 1mm. • The central square should be spilt 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. Pipette The pipette should be made of glass of maximum capacity of 20,200 and 2000µl.

Items	Specifications
	Dimensions (metric):length-300mm +/10mm, 2mm thichness. Autoclaving at 121degree centigrade Should be resistance to mechanical, chemical and over heating. **STANDARDS AND SAFETY:** 1. should beISO 648/IS 117 approved product. 2. Manufacturer and Supplier should have ISO13485/ ISO 9001 certification for quality standards. 3Certificate of calibration from the manufacturer 4. The product should be USFDA/ CE marked
ESR Stand with tube	**. ESR Stand with Tubes** ➢ 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:** • 110 to 120mm mm Length • 2.9mm to 3 mm inside Diameter • 7.0mm to 8.0mm outer diameter**.** ➢ 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 easly cleaned with distle water. ➢ It should be autoclavable. **Quality Standards:** ➢ The item should be CE certified with marking ➢ Manufacturer should be ISO 13485 Certified
TC-DC Count apparatus	**TC-DC Count apparatus:** All metal case housing ,durable ,Chemical resistant easy to clean and disinfect. Stable and wide base with rubbuer feet Should be 8-Key model with dual reset mount Should have totalizer window Should have WBC maturation series picto-stip chart just above the key window
Stopwatch	Stopwatch for Laboratory use
Sickling test kit	Kit consists of R1-2x20ml(Solubility buffer) R2-2 vials (Solubility reagent-Sodium Dithionite) Empty reaction tube-20nos Result reading stand-1 Reagent dropper-2 Sample dropper-20 Rubber teat-2 Pack insert-1
Water quality test- H2S Strip test	• Sensitivity: 5, 10, 20, 30, 40, 50, 60 and 80 ppm (mg/L) • Test time: 30 seconds • Bottle of 50 test strips
Colorimeter	**Digital colorimeter for clinical biochemical test.** **Digital Colorimeter with auto zero facility displaying test result.**

Items	Specifications
	Easy operation with auto storage facility of concentration. Wavelength: 410, 470, 490, 520, 540, 580, 610 & 640 nm Photometric range :%of Transmission 0 to 100 Absorbance -0.0 to 1.5 Abs Repeatability ± 0.01 Abs Sample volume:1ml 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
Centrifuge machine	**Centrifuge Table Top- 4tube** GMDN name : **Centrifuge** 1 USE 1.1 Clinical purpose: Used in Biochemical and Analytical labs for Hematocrit, blood Corpusule percentage, Serum Analysis, Precipitate Seperartion and Blood Group matching. 1.2 Used by clinical department/ward: Analytical Laboratories **TECHNICAL** **2 TECHNICAL CHARACTERISTICS** 2.1 Technical characteristics (specific to this type of device) " • Speed: Maximum Range 3000 to3500RPM • Receprocating 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. 2.2 User's interface Manual 2.3 Software and/or standard of communication (where ever required) NA 3 PHYSICAL CHARACTERISTICS 3.1 Dimensions (metric) NA 3.2 Weight (lbs, kg) NA 3.3 Capacity 120 ml or above 3.4 Noise (in dBA) NA 3.5 Heat dissipation Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism 3.6 Mobility, portability Portable 4 ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....) 4.1 Power Requirements "220-240 V/50Hz 4.2 Battery operated No 4.3 Protection NA 4.4 Power consumption 100 to 200 Watts 5 ACCESSORIES, SPARE PARTS, CONSUMABLES

Items	Specifications
	5.1 Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system) Rubber adapter should be provider for the use of vacutainer for 3ml and 5ml 6 ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS 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; 8.2 Requirements for sign-off Certificate of calibration and inspection from the manufacturer 8.3 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 9.1 Warranty 3 years 9.2 Maintenance tasks "CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registartion." 9.3 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; 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 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

Items	Specifications
	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/add-hoc) to be declared by the manufacturer;" 11.2 Recommendations or warnings any warning signs would be adequately displayed
Items required for providing RMNCHA services	
Weighing Scale, Infant (10 Kg)	• Table top, light and portable, • Built in rechargeable battery, • Easy to clean baby tray (acrylic), • Zero weight adjustment facility, • Quick, clear digital read outs with LCD display • Measurement does not change with position of baby on the pan; • Provision to measure the height of the baby in its laying position. • Accuracy: 10g, resolution: 1g, limit: 10gm ~ 10kg • Settings-Auto setting to 0.00 once a the machine is switched on or when no external weight has been put on **Dimension :Base: 300mm x 265mm x 85mm, Pan: 510mm x 300mm x 85mm/As per IS standard** **Power Requirements-230 V AC & Battery operated-6V, one hour backup** The Scale should be as per BIS specifications. The scale should have ISI mark ie IS: 2489 Or CE/USFDA certified. Should have model approval from Legal Metrology Dept., Govt. of India. The manufacturer shall have the valid license and should have model approval by thelegal metrological Deptt. And the weighing scale must be stamped by the by legalmetrologicalDeptt. In case of distributor, the bidder should have valid distributor andrepair license from legal metrological Deptt., Govt. of Odisha.
Vulsellum Uterine	Vulsellum Uterine Forceps curved 25.5 cm
Cusco's/Graves Speculum vaginal bi-valve	Cusco's/Graves Speculum vaginal bi-valve small size
Sims retractor/depressor	Sims retractor/depressor small size
Sims Speculum vaginal double ended ISS Medium	Sims Speculum vaginal double ended ISS Medium size
Uterine Sound Graduated	Uterine Sound Graduated 10-12"
Cord cutting Scissors	Cord cutting Scissors- Size 6 inch double action jaw with round handle. Blunt, curved on flat, 160 mm ss
Foetal Doppler	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. • 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 Power Requirements AA batteries Battery operatedAA battery type; Minimum Battery Time of 300 minutes. **Accessories:** ▪ AA battery(rechargeable)-2nos ▪ 2MHz probe-1no **STANDARDS AND SAFETY:**

Items	Specifications
	▪ 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
Suction Machine	**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, suctions tube tips, a vacuum gauge and control knob. • Tubing:8 mm ID x 2 mtr (PVC) • 1 lt polycarbonate jar of 1nos **Quality Standard:** Quoted model should be USFDA /CE certified,ISO 13485:2003; ISO 10079-1-1999
Ambu Bag (Paediatric size) with Baby mask	• 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 dissemble 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. **1 Accessories (mandatory,):-** **S**ilicon 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 **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
Lab Materials	
Rapid Pregnancy Testing Kit	**Urine Pregnancy Test:** **Intended of Use**: One step hCG Serum/Urine Combo Rapi-Card rapid test for the qualitative detection of human chorionic gonadotropin (hCG) in serum and urine. • Serum/Urine Combo Pregnancy Test Cassette is a rapid test that qualitatively detects the presence of hCG in serum and urine specimens at the sensitivity

Items	Specifications
	of 20mIU/mL. The test utilizes a combination of monoclonal and polyclonal antibodies to selectively detect elevated levels of hCG • Result should be produced with 1minute. • Accuracy:99% • Sensitivity:20mIU/mL • The test strips should have inbuilt quality control to achieve the above accuracy. **Kit Configuration** • Urine Pregnancy Test Rapid Card • Disposable pipette • Instructions for use • Storage condition 2-30 degree **Quality Standards:** • The manufacturer should be ISO 13485 certified. • The strips should be USFDA/CE (IVD) approved. • The strips should be DCGI approved.
Dipsticks for urine test for protein and sugar	**URINE Complete rapid test reagent strips :** • Urine Reagent Strips are for in vitro diagnostic use only. • Indications for urine test strips: ▪ Screening for prevention ▪ Treatment monitoring ▪ Patient self-testing • Urine Reagent Strips provide tests for the following parameters: ▪ Glucose ▪ Bilirubin ▪ Ketone (Acetoacetic acid) ▪ Specific Gravity ▪ Blood ▪ pH ▪ Protein ▪ Urobilinogen ▪ Nitrite ▪ Leukocytes ▪ Ascorbic Acid in Urine. • The Urine Reagent Strips should be packaged along with a drying agent in a plastic bottle with a cap to provide complete air tight. • Each strip should be stable and ready to use upon removal from the bottle. • The entire reagent strip should be disposable. • Results are obtained by direct comparison of the test strip with the color blocks printed on the bottle label. • All the reagent strips should be withstand at a room temperature between 15°-30°C (59°-86°F) and out of direct sunlight. • The minimum self-life of the urine strips should be 1year unopened and minimum 3months once it is opened. • The required controlled shall be provided along with the strip packet. • The strip pack sizes should be of 25/50/100 sizes. • Urinalysis test strips types ▪ Ketones- Single test ▪ Glucose, Protein & pH- Three parameter ▪ Glucose, Protein pH, Leukocytes, Nitrites, Ketones, Bilirubin, Blood, Urobilinogen, and Specific Gravity-10 parameter ▪ Leukocytes and Nitrite-Special parameter **Quality Standards:** • The manufacturer should be ISO 13485 certified.

Items	Specifications
	• The strips should be USFDA/CE (IVD) approved. • The strips should be DCGI approved.
Items required for providing Speciality services	
Oral Health	
Interdental cleaning aids	**Wooden/plastic Triangular Sticks** **Interproximal Brushes**
Dental Probe	Single Ended with round handle.Made of SS,Handle of size 12mm, and Graduated probe.CPI TN/UNC15 typemade of stainless still 410 /420 grade.
Universal tooth extractor	Dental Forceps of standard size foradult use . Straight curvature with Serrated work surface area. Made of Stainless Steel 410 grade. Instrument handle is of Englishparten. The set shall be consists of 12 items of universal dimensions.
ENT	
Torch	LED focusing torch with chrome/steel ribbed body (medium size) with battery
Tongue Depressor	Wooden flat disposable toungedepressor. Box size:100/Box
Mouth Gag	Size-5", Finger ring instrument with grip & locking system.Blades of 1" long &1/4" wide.
Mouth Mirror	Angular mirror-2 piecesTo 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.StainlessSteel.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
Tuning fork	Nickel-plated steel, material thickness 8 mm, Frequency: 128 Hz / 512 Hz
Nasal Speculum (St. Claire's)*	Nasal Speculum of length 3" having two 5mm wide x 11mm long blades.
Ear Speculum – metallic, dull finish	Ear Speculum – metallic, dull finish
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.
Otoscope	**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 shock proof. ▪ 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.

Items	Specifications
	• 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: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

Items	Specifications
	▪ 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 ▪ 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/add-hoc) to be declared by the manufacturer; ▪ Recommendations or warnings: Any warning signs would be adequately displayed
Communicable Diseases	
Malaria Rapid Test Kit	Central store/NVBDCP
Whole blood finger prick HIV Rapid Test & STI screening test	**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 **Should be 3rd generation:** • 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: ▪ 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.
Typhoid rapid test kit	**<u>Widal test KIT</u>** ***<u>The test kit should have the following configuration</u>*** *1.* 'O' Antigen 5ml 2 'H' Antigen 5ml 3 AH' Antigen 5ml 4 BH' Antigen 5ml

Items	Specifications
	5 Positive control 5ml 6 Negative control 5ml 7 Test Serum Sample 2 ml 8 Glass Slide 1 No.RT 9 Disposable Mixing Sticks ➢ Result should be within 3 minutes ➢ Homologuesantigen antibody reaction with no cross reactivity with other salmonellar groups ➢ High specificity:98% ➢ Higher sensitivity:98% ➢ Self-life 1year
Rapid test kit for Hepatitis B & C	**Intended Of Use:**HBsAg/HCV Ab Rapid Test is a lateral flow chromatographic immunoassay for the qualitative detection of Hepatitis B surface antigen (HBsAg) and anti-Hepatitis C virus antibodies (IgG, IgM, IgA) in human serum, plasma and whole blood. It is intended to be used as a screening test and as an aid in the diagnosis of infection with Hepatitis B virus (HBV) and Hepatitis C virus (HCV). ➢ Should be immunoassay/capture principle ➢ Should be lateral flow device ➢ Should have in built quality control band or dot ➢ Should have short interpretation time not more than 10 minutes ➢ Should have specificity and sensitivity of 100 % ➢ Must be evaluated and approved by NIB **Kit Configuration** 1. Diagnostics Rapid Card 2. HBsAg colloidal gold rapid test strips, each placed in white plastic cassette and packed in foil pouch. 3. Instructions for use. 4. 1 vial of sample diluent. **Sensitivity 100 %** **Specificity 100 %**
NCD	
Glucometer with strips and lancet	**GLUCO METER** **Description of Function:** A glucose meter (or glucometer) is a medical device for determining the approximate concentration of glucose in the whole blood. **Product Quality Standards:** • Should be USFDA/CE (Notified) of the quoted model • Manufacturer should be ISO certified for quality standards. **Technical Specifications** • Small, portable and user friendly device is required. Blood should not go into the glucometer while measurement. • It should be able to measure whole blood in capillary mode. • Minimum analytical range: 30 – 600 in mg/dl. • Accuracy should be as per International Standard ISO 15197- Requirements for blood-glucose monitoring systems for self-testing in managing diabetes mellitus. • Reproducibility/Precision: +/- 5% • Display should be 43mm± 5 mm measured diagonally. • It should be battery operated electronic system and the battery life should be for at least 1000 tests. • Shelf life of strips: Minimum 12 months at the time of delivery to

Items	Specifications
	consignee. • Packing of strips: not more than 50 strips in a pack. Strips should work min. 3 months after opening of strips pack. • Control solution for checking reliability of strips will be supplied free of cost as & when required. • Ready availability of reagent test strips, battery & other consumables across Odisha for at least 5 years. • Machine should be supplied with lancing device of 2nos. • **Machine should have 4 yrs. of replacement warranty.** **Equipment Configuration:** 1-Glucometer-1no 2-Lancing Device-2no 3-Standard batteries-1Set 4-Carrying case-1 5-Instruction manual 6-Warranty card **Consumables:** 1. 115 nos. single use auto-disabled lancets in multi packs. 2. Test strips -100 nos. in two packs 3. Control strip.
VIA Kit for screening cervical cancer	**VIA –Visual Inspection with acetic Acid kit:** • Acetic Acid 0.5%=100ml=2bottles • Cotton swabs-1 pack of 100 swabs • LED focusing torch with chrome/steel ribbed body (medium size) with battery • Glass Slides -1 packet of 100 slides • Cosco speculum Made of SS 410 grade.Medium Size • Sterilized disposable gloves-1 packet of 100 gloves • Good Quality bag/pouch for storing the above mentioned items
Ophthalmic services	
Snellen vision chart	Snellen vision chart
Near vision chart	Near vision chart