

Office of the Additional District Urban Public Health Officer  
NUHM- Cuttack

National Health Mission, Odisha  
Department of Health & Family Welfare,  
Government of Odisha.

Adv..No 637

Date:

06/07/18

**TENDER CALL NOTICE FOR SUPPLY OF (i) Instruments and Equipment for UPHCs & ANMs  
(ii) Furniture, Sound System & Electrical items for UPHC,**

Sealed Tenders in prescribed format are invited from the Manufacturers/ Authorized Distributors/Suppliers for supply of (i) Instruments and Equipment for UPHC & ANMs (ii) Furniture, Sound System & Electrical items for UPHC under NUHM Cuttack and terms & conditions may be downloaded from the website [www.cuttack.nic.in](http://www.cuttack.nic.in). The sealed tender will be received through Speed post/Regd.Post/Courier only on or before office of the undersigned by **27.07.2018 (till 2.00 PM)**. The Tender will be opened at **11.00 AM on 28.07.2018 at Bikash Bhawan, NUHM Office**. Tenders received incomplete or after the scheduled date & time shall be rejected The undersigned reserves the right to reject any or all the tenders without assigning any reason thereof.

sd/-

ADUPHO (NODAL OFFICER NUHM)  
CUTTACK

1

**INSTRUCTION TO BIDDERS, SPECIFICATIONS, TERMS & CONDITIONS FOR  
SUPPLY OF EQUIPMENTS FOR UPHC & ANMs**  
or  
**Tender for supply of Furniture, Sound System & Electrical items for UPHC ,NUHM,  
Cuttack.**

**Section – I (Instruction to Bidders)**

**TENDER TERMS AND CONDITIONS**

1. Tenders should be Type Written or Computerized and every correction in the tender should invariably be attested with signature by the tenderer with date before submission.
2. Every page Submitted by the tenderer should be numbered at the top & the same page number should be put in the check list.
3. Supply should be completed within 15 Days from the date of Purchase Order.
4. The rate contract once approved should remain valid for one year from the date of approval.
5. The Bidders should submit in two parts i.e. Technical Bid (Cover-A) and Financial Bid (Cover-B). The bidders should submit their technical and financial bid separately in two separate envelopes and the same should be put into another cover envelope super scribed as **“Tender for Instrument & Equipments for UPHCs or ANMs under NUHM, Cuttack”**.

Or

**“Tender for Furniture, Sound System & Electrical items for UPHC ,NUHM, Cuttack”**.

6. Rate should be quoted for each item in F.O.R destination including all incidental charges, GST, and Other Taxes.
7. Other conditions as mentioned in Tender Call Notice are applicable.
8. Address For Communication-

**Additional District Urban Public Health Officer,  
City Programme Management Unit, Cuttack**

NUHM office, 1<sup>st</sup> floor Block-F,

Bikash Bhawan, 753012

Cuttack

**Section - I****TERMS AND CONDITIONS**

<b>Terms &amp; Conditions</b>		<b>Documents to be Submitted</b>
1	The organization should have PAN,TIN number & should have <b>up to date VAT clearance certificate/GST Certificates</b>	Photocopy of Pan/GST Certificates.
2	The organization will have to submit an <b>Affidavit (On original Stamp Paper of relevant value)</b> with the following clauses:- <ol style="list-style-type: none"> <li>1. It has not been blacklisted by any Government Organization</li> <li>2. The organization does not have any legal suit / criminal case pending against it for violation of PF /ESI/MW Act or any other law.</li> <li>3. The ADMO(PH) Cuttack will have no liability regarding transportation, loading and unloading of material and all the material ordered shall be delivered at the designated place in good condition. The defective or damaged printed material if any will be replaced by the Organization.</li> <li>4. That the organization agrees to abide by all terms &amp; conditions of tender</li> <li>5. The organization will quote prices inclusive of all taxes.</li> </ol>	Affidavit
3	1. Tender must be accompanied by <b>EMD</b> by way of Demand Draft (Must be submitted), drawn on any Nationalized / Scheduled Bank in favour of, CITY HEALTH SOCIETY ,CMC Tenders if not accompanied by Security Deposit will not be considered. Security of unsuccessful tenderers will be returned without interest on finalization of the bid. EMDs . The EMD shall be forfeited if the successful tenderer after getting the letter of award withdraws / Express his inability to execute the work. Tender document fee of Rs. 2000/- in shape of Demand Draft in favour of " <b><u>CHS NUHM A/C Cuttack</u></b> " to be enclosed with tender paper which is non-refundable.	Demand Draft OF Rs.10,000/-  Demand Draft OF Rs.2,000/-

4	The tenderer should furnish the copies of the work order executed in similar type of equipments during the last three years.	Photocopies of work orders executed.
5	The head of the organization (bidder) should submit an authorization and specimen signature of their authorized signatory if any.	Authorization regarding specimen signature of authorized signatory.
6	Conditional Tenders (like alternative price offers etc.) are liable to be rejected. In the event of acceptance, The ADMO(PH) Cuttack decision will be final. The tender, which is not as per our required specifications will not be considered.	
7	The ADMO(PH), Cuttack will not make any advance payment to the organization. The organization will have to carry out the entire job on its own.  The payments will be paid only after satisfactory completion of the job, submission of bill in that regard.	
8	The ADMO(PH), Cuttack reserves the right to accept or reject any or all the tenders without assigning any reasons whatsoever	
9	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.	
10	<b>Rates quoted</b> against this tender notice shall remain valid up to <b>12 months</b> after award of contract. No request for increase in rates, if any, will be allowed or entertained during this period.	
11	Warranty- the Equipments, Furniture, Sound System & Electrical items supplied should have Warranty as per specification given in Annexure -	

**FORMATS - Part 1****FORM - T1****(To be submitted in Technical Bid Envelop)****(The documents has to be arranged serially as per the order mentioned below)**

1	Name of the Organization	
2	Address of the organization	
3	Name of authorized signatory <b>(in capital letters)</b>	
4	Authorization and specimen signature of the authorized signatory	
5	The annual Average turnover of the Bidder should be Rs.1 Crore or more per Annum during the last Three Financial years certificate duly filled and signed by Chartered Accountant	
6	The tenderer should furnish the 3years market standing copies of the work order executed in similar type of equipments during the last three items to Govt. / Corporate/ PSU Hospitals in India duly supported by copies of purchase orders.	
7	Registration no (Attach photocopy of registration certificate of the Firm / Registration certificate issued from DIC in case of DIC registered firm)	
8	VAT clearance certificate (Photocopy of Up to date VAT Clearance certificate)	
9	PAN (Photocopy of PAN)	
10	Draft number and date of the Security Deposit(EMD)	
11	Draft number and date of the Tender Fees	
12	Affidavit of declaration ( <i>On original Stamp Paper</i> ) as per Clause 2 of the terms & condition	
13	Whether all documents submitted signed by the authorized signatory of the organization ( Yes/ No)	
14	Telephone Number of the Authorised Signatory/Organisation	

**DECLARATION**

I / we hereby certify that the terms and conditions, specification etc. given with the tender notice have been read carefully and 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/forged information in the above statement at any stage, our Firm/Agency will be blacklisted and will not have any dealing with your organization in future.

Place  
Date

Seal  
(Signature and seal of the authorized signatory)

**Schedule of requirement of furniture items**

SL.NO	Item Name	Required quantity
1	Amplifiers	10
2	Projector	9
3	Wireless Microphone	10
4	Speakers	20
5	Microphones	11
6	Conference Table	10
7	Conference hall front Table	10
8	ANM working station as per Diagram with cup board with ply Laminated Board	11
9	Cupboard for amplifier	11
10	Chair with Arm(seat & back cushion)	330
11	Armless Chairs	400
12	Revolving Chairs	10
13	Curtain sreen for windows & door	0
14	white Board 5"X3"	10
15	50 Liter Trolley With Plastic Handle(For Mopping and Cleaning Purpose) with MOP & Handel	22

(Diagram attached in pg. no. of)

The quantity may vary as per need.

**Specification of Furniture,Sound System & Electrical items**

SL.NO	Item Name	Specification
1	Projector	Multimedia Projector with Wireless Connectivity between PC & Projector Resolution 1024 x 768XGA,ANSI Lumen:3000
2	Amplifiers	Power Output-75W Max., 50W RMS at 10% THD, 45W RMS at 5% THD,Output Regulation- $\leq$ 2 dB, no load to full load at 1kHz,Input Channels-3 $\times$ Mic 0.6mV/4.7k $\Omega$ , 1 $\times$ Aux 100mV/330k $\Omega$ ,Frequency Response-50-15,000Hz $\pm$ 3dB, Signal to Noise Ratio-55dB,Tone Controls-Bass: $\pm$ 10dB at 100Hz, Treble: $\pm$ 10dB at 10kHz, Line: 400mV/3.5k $\Omega$ ,Speaker Outputs-4 $\Omega$ , 8 $\Omega$ , 16 $\Omega$ & 100V,Digital Player-MP3 Player with USB reader,Power Supply-AC: 220-240V DC: 50/60Hz, DC: 12-14V Car Battery),Power Consumption-AC: 90VA 3.1A,Dimensions-W305 $\times$ H120 $\times$ D305 mm,Weight-7.0kg.(Minimum 1 Year Warranty

<p>3</p>	<p><b>Wireless Microphone</b></p>	<p><b>MICROPHONE</b>                  RF Output Power 10mW (Max.)                  Modulation Mode FM                  Microphone Element Dynamic, Cardioid                  Maximum Deviation ±25kHz                  Frequency Response 40Hz-13kHz                  Power Requirement 9V Battery                  Current Consumption &lt;30mA                  Controls ON/MUTE/OFF Switch                  Indication Red LED: Momentary glow for RF ON &amp; Permanent glow for Low Battery                  Dimensions ø 48 (L 240) mm                  Weight- 0.25kg (without battery)  <b>RECEIVER</b>                  Frequency Stability ± 0.005%                  Audio Output 0-50mV                  S/N Ratio &gt;80dB                  Distortion &lt;0.5%                  Antenna Type Telescopic                  Power Requirement 220V-240V AC 50Hz for AC adaptor (supplied alongwith)                  Controls Power Switch, Output Volume Control                  Indication Red LED for Power ON, Green &amp; Red LEDs for Signal                  Dimensions W152×H40×D110 mm                  Weight                  0.20kg  <b>ACCESSORIES</b>                  1×Connection Cable, 1×AC Adaptor, 1×9V Battery(Minimum 1 Year Warranty)</p>
<p>4</p>	<p><b>Microphone(Conference Systems)</b></p>	<p>Microphone-63dBV/<math>\mu</math>bar (7.5mV/Pa)                  Current Consumption&lt; 50mA Max.                  Mic Auto Switch-Off Time 75 seconds approx.                  Input-Line                  Output-Line, Headphone Speaker                  Max Input 300mW                  Controls-Priority Switch, Talk Switch, Speaker Volume Control, Headphone Volume Control                  Dimensions-W118 × H70 × D160 mm                  Weight-1.05 kg (w/o cable)                  Accessories-Foam Windshield, 5m Interconnecting Cable(Minimum 1 Year Warranty)</p>
<p>5</p>	<p><b>Speakers</b></p>	<p>Input Power-10W RMS, 15W Max.                  Power Taps-10W, 10/7.5/5W                  Impedance/Voltage-8<math>\Omega</math>, 100V                  Frequency Response-150-10,000Hz                  SPL at 1kHz-92dB/1W/1m                  Speakers- 2 × 6" × 4"                  Dimensions-W165 × H455 × D145 mm                  Weight-3.5kg, 4.0kg                  5m Interconnecting Cable(Minimum 1 Year Warranty) <span style="float: right;">Accessories-</span></p>
<p>6</p>	<p><b>Microphones</b></p>	<p>Frequency Response-100-10,000Hz                  Sensitivity-2.5mV/Pa                  Impedance-600<math>\Omega</math>(Minimum 1 Year Warranty)</p>
<p>7</p>	<p><b>Conference Table</b></p>	<p>Conference tables consist of a rectangular center capped with two half circle ends.UV top.Base with Laminated Board of 18mm.Size-24' × 6',Hight-30".(Minimum 1 Year Warranty)</p>
<p>8</p>	<p><b>Conference hall front Table</b></p>	<p>Tables consist of a rectangular Size.UV top.Base with 18mm Laminated Board .Size-12' x2',Hight-30".(Minimum 1 Year Warranty)</p>
<p>9</p>	<p><b>Table</b></p>	<p>Tables consist of a rectangular Size.Laminated Board of 18mm.Size-3' X 2',Hight-30".With one Drawer.(Minimum 1 Year Warranty)</p>

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10	Cupboard for amplifier	Body - Laminated Board 18 mm ,Height - 36"Width - 30"Depth - 24".Two nos of self ,Two side door with Lock.(Minimum 1 Year Warranty)
11	Chair with Arm(seat & back cushion)	Colour : Black-Red/Rosewood Brown.Dimensions : Total Height:815mm. Total width:560mm. Total depth:560mm.Description : Lacquered finish synthetic Resin medium back chair arms having seat & back cushion of moulded PU foam with velvet upholstery.(Minimum 1 Year Warranty)
12	Armless Chairs	Armless Chairs,Dim : H880 x W445 x D435 (mm)(Minimum 1 Year Warranty)
13	Revolving Chairs	Colour: Black,Seat Size: 22" W X 19" D Back Size: 22" W X 30" H,Overall Dimensions: 22" W X 19" D X 45" - 47" H,Material: PU Leather,Pneumatic Seat Height Adjustment. Luxurious Bonded Leather.High Back Rest with Head rest.90 Degree Tilt Lock.Syncro Tilting Design Structure. Soft PP Plastic Type Arm Rest. Tension Control Tilt Lock Mechanism.Up-Down Gas Lift with 360 degree revolving.Silver Quotated Steel Base.Imported castor wheels with Good Grip.(Minimum 1 Year Warranty)
14	50 Liter Trolley With Plastic Handle(For Mopping and Cleaning Purpose) with MOP & Handel	Capacity (Litres)30 Ltr,Color- Blue,Red,Condition-New, Material-Plastic Number of wheels -4,Type Cleaning Equipment, Mop Bucket Completely made up of plastic, it is an, elegant and compact trolley. A TEC,wringer, 80-mm diameter wheels with bumpers, two 25-litre buckets and some space behind to carry bottles of chemical solution and various tools complete an item expressly studied . (Minimum 1 Year Warranty)

**TENDER FORM Part -2**

**FINANCIAL BID**

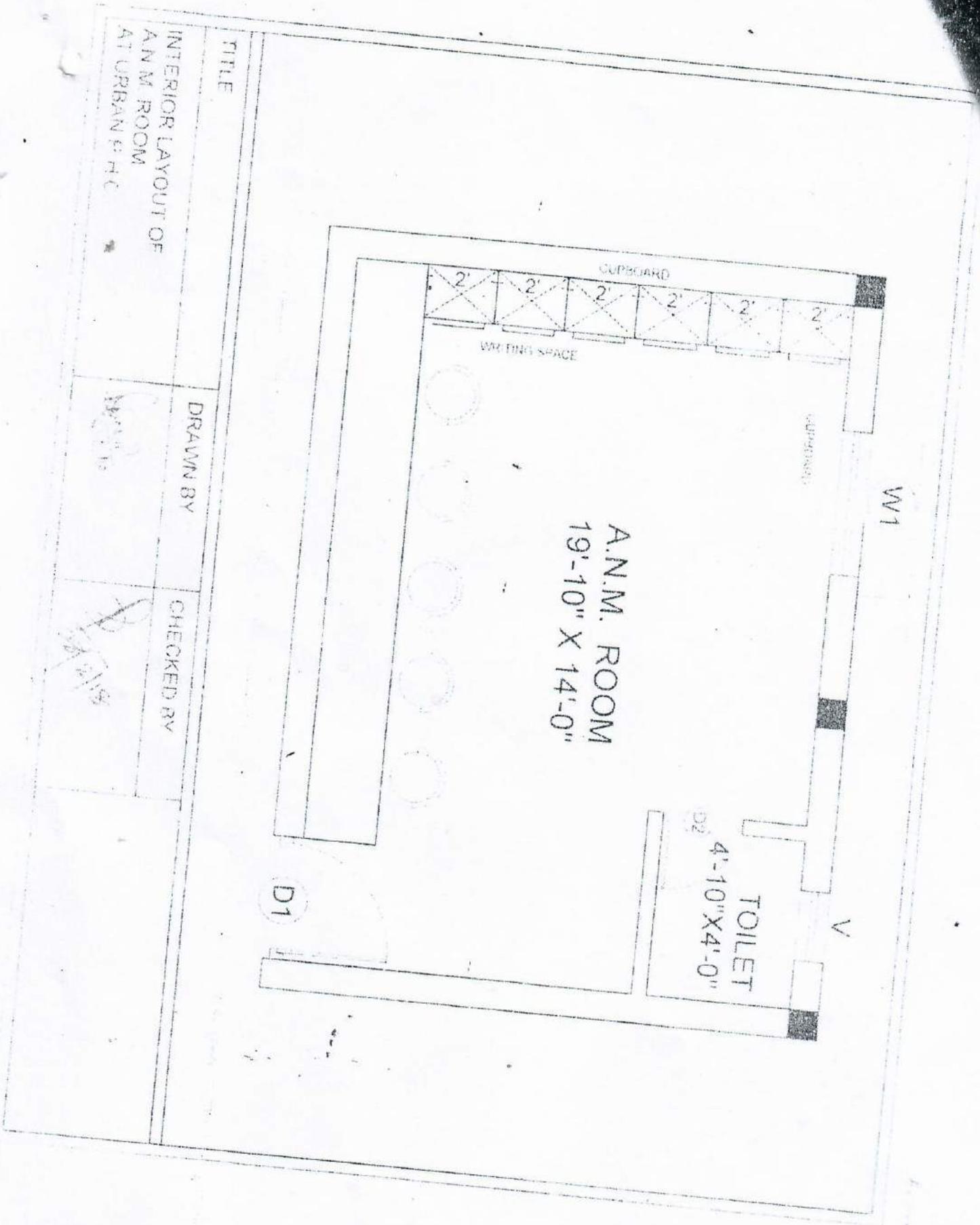
SL.NO	Item Name	Name of manufacturer and Model	Price (In Rs.) Per Unit	GST & Other Taxes (If Any) (In Rs.)	Total Cost inclusive of all Taxes(In Rs.)
1	Projector				
2	Amplifiers				
3	Wireless Microphone				
4	Speakers				
5	Microphones				
6	Conference Table				
7	Conference hall front Table				
8	Table				
9	Cupboard for amplifier				
10	Chair with Arm(seat & back cushion)				
11	Armless Chairs				
12	Revolving Chairs				
13	50 Liter Trolley With Plastic Handle(For Mopping and Cleaning Purpose) with MOP & Handel				
14	Curtain Screen for windows & Door				
15	White Board5" x3"				

(Total Cost per unit quoted should be inclusive of all cost, transportation, Installation at Different UPHCs in Cuttack City & inclusive GST & other taxes if any as applicable)

Place:-

Date:-

(Signature with seal of the authorized signatory)



TITLE  
INTERIOR LAYOUT OF  
A.N.M. ROOM  
AT URBAN P.H.C.

DRAWN BY

*M. S. S.*

CHECKED BY

*P. S. S.*

**TENDER FORM Part -2**  
**FINANCIAL BID**

SL.NO	Item Name	Name of manufacturer and Model	Price (In Rs.) Per Unit	GST & Other Taxes (If Any) (In Rs.)	Total Cost inclusive of all Taxes(In Rs.)
1	Amplifiers				
2	Wireless Microphone				
3	Speakers				
4	Microphones				
5	Conference Table				
6	Conference hall front Table				
7	Table				
8	Cupboard for amplifier				
9	Chair with Arm(seat & back cushion)				
10	Armless Chairs				
11	Revolving Chairs				
12	50 Liter Trolley With Plastic Handle(For Mopping and Cleaning Purpose) with MOP & Handel				
13	Curtain Screen for windows & Door				
14	White Board5" x3"				

(Total Cost per unit quoted should be inclusive of all cost, transportation, Installation at Different UPHCs in Cuttack City & inclusive GST & other taxes if any as applicable)

Place:-

Date:-

(Signature with seal of the authorized signatory)

**Schedule of Requirement for equipment & medical furnitures**

S. No	UPHC Equipment/instrument	standard Requirement
1	Adult weighing scale	10
2	Artery forceps (large & Small)	46
3	Autoclave/Boiler	10
4	B.P. (Digital) apparatus	19
5	Baby weighing scale	12
6	Bowl for antiseptic solution for soaking cotton swabs	25
7	Bowls stainless steel	27
8	Clinical Digital thermometers	44
9	Cusco Speculum	16
10	Dressing Drum	24
11	Deep Freezer (small with Voltage stabilizer)	5
12	Dressing trolley	8
13	Ear specula	22
14	Elic Forcep	44
15	Ear syringe	20
16	Emergency tray and equipment	11
17	Fetoscope	16
18	Forceps cheatle 9 "	32
19	Forceps plain 6 "	37
20	Forceps toothed 6 "	25
21	Head light	11
22	Height measuring Scale	12
23	Infantometer	17
24	Instrument trolley	7
25	IUCD kit	8
26	IV Stand	7
27	Kidney trays	28
28	Measuring tape	22
29	MVA syringe and cannula of sizes	3
30	Nebulizer	3

31	Needle destroyer	35
32	Needle Holder	19
33	Oxygen Concentrator	15
34	Oxygen cylinder on trolley with spanner and flow meter	12
35	Percussion (knee) hammer	19
36	Probe for ear wax removal	12
37	Resuscitation self-inflating bags (Ambu's) and masks of different sizes	8
38	Scissors	10
39	Sims speculum	12
40	Single panel X-ray view box	8
41	Slides	2
42	Snelle's Chart	15
43	Spatula	42
44	Sponge holding forceps	17
45	Spot light	11
46	Stadiometers	2
47	Stainless steel tray with cover	25
48	Sterilizer	8
49	Stethoscope	12
50	Stitch Cutter	13
51	Suction Apparatus	7
52	Tongue Depressor (Disposable)	802
53	Torch with batteries	20
54	Tray containing chlorine solution for keeping soiled instruments	18
55	Tuning fork	19
56	Vulsellum uterine forceps	17
57	Tooth Extractor Forcep	35
58	Examination Table	2
59	Table for Immunization	7
60	Wheel Chair	1
61	Stretcher on Trolley	4
62	Folded Screen	5
63	Footstep	1
64	Stool	4
65	Medicine Chest	2
66	Lamp	11
67	Racks	6
68	Basin with stand	4
69	Dustbin	30
70	Colour coded Bin	19
71	Hub Cutter	15

## SPECIFICATION OF REQUIRED ITEMS

### 1.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.

**2. Foot Step**

- Double step
- Light in weight
- Made of M.S. Tubular construction
- Legs designed with rubbed stumps for stability.
- Corrosion free surface made of M.S top superimposed with rubber matting.
- Epoxy Powder Coated
- Minimum Dimension :55 x 40 x35 cm

**3. Nebuliser**

**Product Quality Standard:**

- Should be USFDA / CE (Notified body) approved product
- Manufacturer should be ISO certified for quality standards.
- Should complies to IEC-60601 safety standard

**Description of Function:**

Nebulizer is a device used to administer medication to people in forms of a liquid mist to the airways. It is commonly used in treating cystic fibrosis, asthma, and other respiratory diseases

**Technical Specifications:**

- Should be of Heavy duty compact Nebuliser is required
- Heavy duty ,Compact, light weight, 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 Press= 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)=2.5-3µm.
- Output rate: 500gm/Min.
- Made of Heavy duty ABS body

**Power Supply:**

Power input to be 220-240VAC, 50Hz fitted with Indian plug

**Warranty: Comprehensive warranty for 2years from the date of installation**

**4-Hub-Cutter**

**Product Quality Standards:**

- Should be US FDA or CE approved product.
- Electrical safety confirms to standards for electrical safety IEC-60601.

**Technical Specification:**

- Should be light weight, 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 be able to cut and destroy the needle up to 18G.
- Should be 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.

**Warranty: Comprehensive warranty for 2 years from the date of installation**

**5. Revolving Stool**

- Tubular tripod based with S.S. revolving top.
- Height adjustable from approximately 460 mm to 650 mm by accurately machined screw mechanism.
- S.S foot ring supports
- Legs fitted with rubber PVC stumps..

Pre-treated and powder coated finish

**6-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 four swivel rust proof castors 50mm diameter .
- Stainless steel rod with double hooks
- All the Stainless Steel should be 304 grade
- Should be pre-treated and epoxy coated finish.

**7. Stretcher on Trolley**

- Overall approximate size 2030 mm x 560 mm x 820 mm, 80" x 22" x 32" (L x W x H).
- M.S. tubular framework mounted on four swivel castors, 200 mm (8") diameter two with brake and two without brake.
- Removable stretcher top made of aluminium sheet supported on tubular frame.
- Safety belts provided.
- Safe working load of 135 kgs and patient load bearing capacity of 130 kgs.

Pre-treated and powder coated

## 08-Surgical Instrument Set

### Technical Specification of Surgical Instruments Product Quality Standards:

- \*Manufacturer should be ISO certified.
- \*The product should have CE certification.
- \*Instruments should be made up of stainless steel medical grade of **AISI 410 & 420 standard. (Test reports should be submitted in the technical bid)**
- \*Part No. and the CE Mark must be engraved/laser embossed on the instrument.
- \*Instrument should have **5 years replacement warrantee.**
- \*All the instruments should be autoclavable.

### 9-Glass Slide

Glass microscope slides; 76mm x 26mm x 1.3mm, plain, one pack of 50 slides

## 10. Instrument Steriliser

### Quality Standard:

Product should be ISI / CE / US FDA certified.  
Manufacturer should be ISO certified.

### Technical Specifications:

- Electrically operated.
- Size ideally: 12x6x5 inch
- Should be electrically operated on 230volt, 50Hzwith appropriate load.
- Should have replaceable immersion type heater conforming to IS-4159/2000 dully BIS mark and conforming to safety requirements as per IS-0320-2-2001-1992.
- Body should be made of IS-304 grade steel. (Test report certificate form independent laboratory should be submitted with technical bid.)

## 11.Refrigarater

- Direct-cool Single-door refrigerator; 190 litres capacity
- Energy Rating: 5 star
- 1 year warranty on the product; 5 years warranty on the compressor
- Wire shelf, bar handle
- Removable door gasket
- Transparent interiors, door lock

12. Baby Weighing Scale

**MEDICAL DEVICE SPECIFICATION**  
(Including Information on the following where relevant/appropriate, but not limited to)

**weighing Scale**

Version no. :	1.0
Date:	13/08/13
Done by : (name / institution)	HCT/ NHSRC

**NAME AND CODING**

GMDN name	NA (Instrument)
GMDN code(s)	NA
Definition	NA

**GENERAL**

1	USE	
1.1	<b>Clinical purpose</b>	to measure body mass of the neonate
1.2	<b>Used by clinical department/ward</b>	NICU/SNCU
1.3	<b>Overview of functional requirements</b>	

**TECHNICAL**

2	TECHNICAL CHARACTERISTICS	
2.1	<b>Technical characteristics (specific to this type of device)</b>	<ol style="list-style-type: none"> <li>1. Table top, light and portable,</li> <li>2. Built in rechargeable battery,</li> <li>3. Easy to clean baby tray (acrylic),</li> <li>4. Zero weight adjustment facility,</li> <li>5. Quick, clear digital read outs,</li> <li>6. Measurement does not change with position of baby on the pan;</li> <li>7. Provision to measure the height of the baby in its laying position.</li> <li>8. Accuracy: 5g, resolution: 1g, limit: 10gm ~ 15kg</li> </ol>
2.2	<b>Settings</b>	Auto setting to 0.00 once a the machine is switched on or when no external weight has been put on
2.3	<b>User's interface</b>	LCD display
2.4	<b>Software and/or standard of communication(when ever required)</b>	in built
3	PHYSICAL CHARACTERISTICS	
3.1	<b>Dimensions (metric)</b>	Base: 300mm x 265mm x 85mm, Pan: 510mm x 300mm x 85mm
3.2	<b>Weight (lbs, kg)</b>	NA

3.3	Configuration	N.A.
3.4	Noise (in dBA)	N.A.
3.5	heat dissipation	NA
3.6	Mobility, portability	portable
4	ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)	
4.1	Power Requirements	230 V AC,
4.2	Battery operated	6V, one hour backup
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Protection	NA
4.5	Power consumption	NA
4.6	Other energy supplies	NA
5	ACCESSORIES, SPARE PARTS, CONSUMABLES	
5.1	Accessories (mandatory, standard, optional)	NA
5.2	Spare parts (main ones)	NA
5.3	Consumables / reagents (open, closed system)	NA

6	ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	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. - an ambient air velocity less than 0.3 m/s.
6.2	User's care, Cleaning, Disinfection & Sterility issues	Complete unit to be easily washed and disinfected using both alcohol and chlorine agents.
7	STANDARDS AND SAFETY	
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international	The Scale should be as per BIS specifications. The scale should have ISI mark ie IS: 2489 Or CE/FDA 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 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.
8	TRAINING AND INSTALLATION	

(2)

8.1	Pre-installation requirements: nature, values, quality, tolerance	NA
8.2	Requirements for sign-off	NA
8.3	Training of staff (medical, paramedical, technicians)	NA
9	WARRANTY AND MAINTENANCE	
9.1	Warranty	one year
9.2	Maintenance tasks	callibration schedule to be provided
9.3	Service contract clauses, including prices	Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer
10	DOCUMENTATION	
10.1	Operating manuals, service manuals, other manuals	NA
10.2	Other accompanying documents	NA
10.3	Recommendations for maintenance	Cautionary Note: Do not press the weighing pan with your hand. It could damage the load cell system in the weighing machine
10.4	Others	
11	NOTES	
11.1	Service Support Contact details (Hierchy Wise; including a toll free/landline number)	Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer
11.2	Recommendations or warnings	Any Contract (AMC/MC/add-hoc) to be declared by the manufacturer

**13-Adult Weighing Scale**  
**Adult Weighing Scale**

**Specification**

- Sturdy dial type mechanical platform weighing machine for adult and children.
- Zero adjustment facility should be there.
- Sensitivity: 100 g
- 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: Comprehensive warranty for 2years from the date of installation.**

**14-Infantometer**

The measuring mat should be made of good quality material which can be cleaned with all commercially available disinfectants. The measuring mat should have integrated head piece and sliding leg positioner that smoothly runs.

Measurement range (Both in cm & inch): 10 – 99 cm (4 – 39")

Graduation: 5 mm

The mat should be foldable for easy transportation and should have facility for wall hanging. It should be **CE certified** (certificate to be submitted in technical bid). Warranty : 1 Year

**15.Stethoscope**

- For listening the lung and heart sounds provided with tunable diaphragms.
- Extra-soft, replaceable and pivot able ear-tips for perfect sealing at the ear canal.
- Designed with Precision flat chest-piece made of stainless steel of Ø45mm-50mm
- High quality membrane for precise acoustics with non-chill rims for improved adaptation on the skin and for excellent sound transmission.
- Length should be 25" to 29" with preferable colour -black.
- Bell: Ø 30 mm± 2mm
- Weight: 120-140 gm
- The tube should be made of Latex-free rubber.
- It should confirm to IS 3391 standards.

Accessories, spares and consumables:

- Diaphragms
- Ear tips
- Binural rims

**Warranty: Comprehensive warranty for 2years from the date of installation.**

**16.-BP=Apparatus**

MEDICAL DEVICE SPECIFICATION (Including Information on the following where relevant/appropriate, but not limited to)	
BP Instrument Aneroid	
Version no. :	1.0
Date:	SEPT 2014.
Done by : (name / institution)	HCT/ NHSRC

NAME AND CODING	
GMDN name	Sphygmomanometers
GMDN code(s)	CT1677

GENERAL		
1	USE	
1.1	Clinical purpose	to measure non invasive blood pressure
1.2	Used by clinical department/ward	All
1.4	Overview of functional requirements	

TECHNICAL		
2	TECHNICAL CHARACTERISTICS	
2.1	Technical characteristics (specific to this type of device)	<p>Corrosion resistant shock proof body, chrome plated metal/ stainless steel pressure control valve, scale 0-300 mm hg.</p> <p>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 maxium deflation time of 10 seconds.</p> <p>Gauge's background in white colour.</p> <p>Graduated scale for ever/ 2mmhg, every 10 units and every 20 units.</p> <p>Nylon straps cuff with pouch, latex bulb with completely chromium plated valve with regulation of vent-hole air by screw valve.</p> <p>Cuff surround to be removable and washable</p> <p>Tube length to be greater than 30cm</p>
2.2	Settings	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.
2.3	User's interface	manual
2.4	Software and/or standard of communication(where ever required)	NA
3	PHYSICAL CHARACTERISTICS	
3.1	Dimensions (metric)	The rubber tubes used should have an internal diameter of $3 \pm 0.5$ mm and the external diameter should not be less than 8mm; The dial mano meter with minimum diameter of 160 mm
3.2	Weight (lbs, kg)	NA
3.3	Configuration	NA
3.4	Noise (in dBA), heat dissipation	NA
3.5	Mobility, portability	Yes

4	ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)	
4.1	Power Requirements	NA
4.2	Battery operated	NA
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Protection	NA
4.5	Power consumption	NA
4.6	Other energy supplies	NA
5	ACCESSORIES, SPARE PARTS, CONSUMABLES	
5.1	Accessories (mandatory, standard, optional)	adult arm cuffs of size medium & large and paediatric size, inflation bulb, tubing
5.2	Spare parts (main ones)	dial mano meter
5.3	Consumables / reagents (open, closed system)	NA

6	ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%. Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	NA
7	STANDARDS AND SAFETY	
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international	ISO 13485; Should be FDA, CE or UL approved product.
8	TRAINING AND INSTALLATION	

8.1	Pre-installation requirements: nature, values, quality, tolerance	Supplier to perform safety and operation checks before handover.
8.2	Requirements for sign-off	Certificate of inspection from the factory.
8.3	Training of staff (medical, paramedical, technicians)	Training of users in operation and basic maintenance shall be provided
9	WARRANTY AND MAINTENANCE	
9.1	Warranty	1 years
9.2	Maintenance tasks	maintainance manual detailing complete maintaining schedule
9.3	Service contract clauses, including prices	
10	DOCUMENTATION	
10.1	Operating manuals, service manuals, other manuals	Should be supplied in english
10.2	Other accompanying documents	NA
11	NOTES	
11.1	Service Support Contact details (Hierchy Wise; including a toll free/landline number)	NA
11.2	Recommendat ions or warnings	Any recommendations for best use and supplimentary warning for safety should be declared

#### 17..BP=Apparatus (Digital)

1. Should be self inflating upper arm measurement digital BP apparatus for adult and child.
2. The apparatus should measure the Systolic and Pulse rate and same

- should be displayed on an inbuilt LCD screen.
3. Should have auto inflation mechanism for easy measurement.
  4. Measurement Range: Pressure 10 to 280 mmHg.
  5. Pulse should be 40 to 180 beats /min.
  6. Measurement Method: Oscillometric Method
  7. Memory of Last 3 Last measurement
  8. Should be provided with reusable adult and child arm cuff.
  9. Accuracy: Pressure of  $\pm 3$ mmHg of  $\pm 5\%$
  10. Should have battery backup for more than 1000 measurements with new alkaline battery (AAType).
  11. The instruments should be **CE marked** (certified to be submitted in technical bid)

### **18.- Stadiometer(Height Measuring Instrument)**

- 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)

### **19-Colorimeter**

MEDICAL DEVICE SPECIFICATION (Including Information on the following where relevant/appropriate, but not limited to)		
		<b>Colorimeter</b>
Version no. :		1
Date:		12-05-2014
Done by : (name / institution)		HCT/NHSRC
NAME AND CODING		
GMDN name		<b>Colorimeter</b>
GMDN code(s)		NA
GENERAL		
<b>1</b>	<b>USE</b>	
1.1	Clinical purpose	It is used to determine the concentration of colored compounds in solution. A colorimeter is a device used to test the concentration of a solution by measuring its absorbance of a specific wavelength of light.
1.2	Used by clinical department/ ward	Clinical Laboratory
TECHNICAL		

2		TECHNICAL CHARACTERISTICS
2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> <li>1. Should have 5 no of filters for standard wave length from 400 nm to 700 nm.</li> <li>2. Should have upto 3 decimal calibrated directly in optical density.</li> <li>3. Detector should be encased spill proof photocell</li> <li>4. Should have facilities for concentration, calculation, percentage transmission and optical density.</li> <li>5. Should have Detector Silicone photo-diode</li> <li>6. Filter : Optical filter (420nm,460nm,510nm,540nm,600nm)</li> <li>7. Light source : Bright Intensity LED/Halogen</li> <li>8. Display : LCD/LED display</li> <li>9. 3 Red LEDs for selected function(T%/ABS/CONC)</li> <li>10. Photometric Range 0-2.0</li> <li>11. maximum reaction volume required 1 mL</li> </ol>
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)	less than 3 kg
3.3	Capacity	NA
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	Fixed Lab installation
4		ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)
4.1	Power Requirements	230V, 50Hz AC
4.2	Battery operated	No
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Protection	NA
4.5	Power consumption	

5	<b>ACCESSORIES, SPARE PARTS, CONSUMABLES</b>	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	1) Filter case : 1 pc 2) Filter (420nm, 460nm, 510nm, 540, 600nm) : 5 pcs; Lamp/Light source 3) Square cuvette : 4 pcs (glass) 4) Round cuvette : 4 pcs (glass) 5) Cuvette adaptor : 1 pc 6) Analog output cable : 1 pc 7) Open System
<b>BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b>		
6	<b>ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS</b>	
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	<b>STANDARDS AND SAFETY</b>	
7.1	Certificates (pre-market, sanitary, ...); Performance and safety standards (specific to the device type); Local and/or international	1. Should be FDA/CE/BIS approved product. 2. Manufacturer and Supplier should have ISO 13485/US(FDA)/EU(CE) certification for quality standards. 3. Shall meet internationally recognised for Electromagnetic Compatibility(EMC) for electromedical equipment: 61326-1. 4. Certified to be compliant with IEC 61010-1, IEC 61010-2-281, IEC 61010-101 for safety.
7.2	Local and/or international	Manufacturer / supplier should have ISO certificate for quality standard.
8	<b>TRAINING AND INSTALLATION</b>	
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	
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	
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

## 20. Haemoglobinometer

Haemoglobinometer	<p>a) <b>Haemoglobinometer (Digital):</b></p> <ul style="list-style-type: none"> <li>Measuring Parameter : Haemoglobin.</li> </ul>
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- Principle : Photometric
- Sample : Capillary or venous whole blood  $\leq 20$   $\mu$ l (One drop of blood)
- Should have Haemoglobin Test Strip or cuvettes with lot specific code per bottle.
- Should have LCD Display.
- Measuring time :  $\leq 5$  seconds.
- Memory : 100 test results.
- Measuring range : 4.0g/dl. to 24.0g/dl.
- Accuracy : 9.5%
- Calibration : Should be factory calibrated according to International Council for Standardization in Haematology (ICSH).
- Should have feature of self checking and displaying malfunction.
- Power : DC 6V (Two CR 2032 Batteries)
- Operating Temperature :  $10^{\circ}$  to  $40^{\circ}$ C .
- Storage Temperature :  $0^{\circ}$  to  $50^{\circ}$ C .
- Should be provided with 50 test strips with the machine.
- The test strips should come in a packet containing 50/100 test strips.
- The instruments should be CE marked (Certificate to be submitted in a technical bid).

b) **Haemoglobin Meter Sahli's**

The kit consist of following standard setup :-

- Comparator Holder: 1 nos.
- Comparator holder should be fitted with color screen made up of acrylic. In front of the holder there should be three windows.
- The two side windows should be fitted with colour.
- Square H.B. Tube : 2 Nos.
- Square H.B tube should be graduated on both the side for the measurement of Haemoglobin in respect of percentage and gram.
- H.B pipette- 1 Nos.
- 20 Micro Litres H.B Pippete with latex tube and mouth piece.

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	<ul style="list-style-type: none"><li>• Amber coloured glass bottle: 1 Nos</li><li>• Glass Stirrer: 1 Nos, Dropper with teat: 1 Nos</li><li>• Cleaning Brush: 1 Nos.</li><li>• Spare Latex Tubing one meter: 1 Nos</li><li>• All the above should be packed in plastic box.</li></ul>
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**21. Baby Weighing Scale with sling**

<b>Baby Weighing Scale with sling</b>	<p><u>Eligibility Criteria:</u> Manufacture should be ISO certified.</p> <p><u>Technical Specification:</u></p> <ul style="list-style-type: none"><li>• Should have tough Nylon Plastic Body</li><li>• Load capacity 0-5 Kgs.</li><li>• Should have colour coded reading scale.</li><li>• Should have zero adjustment</li><li>• Should have inbuilt overload protection.</li><li>• Graduation should not be more than 100 gms and stamped by the Weights and Measures Department.</li><li>• Scale should be should be fitted with approx. 3" rod handle with non corrosive metallic ring on top and S shaped hook on bottom for suspending the sling bag.</li><li>• Spring used in scale should be made of heavy duty steel spring, non corrosive grade II.</li><li>• Sling bag should be made of double stitched tough and tear resistant 100% polyester weight the baby.</li></ul>
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**22. Digital Thermometer**

<b>Digital Thermometer</b>	<p><u>Eligibility Criteria:</u> Manufacture should be ISO certified.</p> <p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> <li>• Digital Thermometer with Fahrenheit and Celsius scale.</li> <li>• Safe to use, automatic, no glass, no mercury.</li> <li>• Measurement range: 90.0° F to 109.0° F and 32° C to 42° C.</li> <li>• Measurement Accuracy: +/- 0.2° F between 98.0° F to 102.0° and 0.1°C between 35°C to 42°C. +/- 0.3°F between 96.4°F to 98.0°F +/- 0.3° F between 102.0° F to 106.0°F.</li> <li>• Should have auto shut off facility.</li> <li>• Display should be LCD type.</li> <li>• Beeper alarm of approx 10 seconds sounds signal when peak temperature.</li> <li>• Should be more than 200 hrs of battery supply.</li> <li>• Average measurement time: Oral: 30 sec. Rectal: 30 sec, Auxiliary: 60 Sec.</li> <li>• Battery should be LR41 of SR41.</li> </ul>
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**23. Digital Watch**

<b>Digital Watch</b>	<p><u>Eligibility Criteria:</u> Manufacturer should be ISO certified.</p> <p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> <li>• Should have plastic body.</li> <li>• Should battery operated.</li> <li>• Should have minutes and second timer with stop watch facility.</li> <li>• Should be water resistant.</li> <li>• Should have illuminator for clear visibility in dark.</li> </ul>
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**24. MUAC Tape**

<b>MUAC Tape</b>	<ul style="list-style-type: none"> <li>• The MUAC Tape should have measuring range up to 26.5 cm.</li> <li>• All the graduation should be in millimeters with color codes (red, yellow &amp; green).</li> <li>• Red : 0-11.5cm, yellow : 11.5cm -12.5cm, green: 12.5 cm to onwards.</li> <li>• It should be CE Certified.</li> </ul>
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**25. Autoclave:**

	<p>Autoclave:</p>	<p>Autoclave HP Vertical (single bin)</p> <p>USE</p> <ul style="list-style-type: none"> <li>• Clinical purpose: An airtight vessel for heating and sometimes agitating its contents under high steam pressure; used for industrial processing, sterilizing, and cooking with moist or dry heat at high temperatures.</li> <li>• Used by clinical department/ward: Operation theatre/SNCU etc</li> </ul> <p>TECHNICAL CHARACTERISTICS</p> <ul style="list-style-type: none"> <li>• High Grade strong stainless steel, Triple walled construction.</li> <li>• Positive radial self-locking safety doors./Cove</li> <li>• Hydrostatically tested to withstand 2.5 times the working pressure.</li> <li>• Sealed with Neoprene/Silicon long-lasting and durable gasket.</li> <li>• Outer jacket insulated to prevent heat loss; with a high grade insulation material</li> <li>• Mounted on 304 stainless steel frame with ground levelling flange</li> <li>• Temperature and pressure cut-off device.</li> <li>• Auto cut-off at low water level</li> <li>• Rust-proof 304 grade stainless steel.</li> <li>• Cylindrical construction.</li> <li>• Equipment should have separate steam release valve and drainage system.</li> <li>• Minimum of two safety valves with auto-release at 16 and 20.</li> </ul> <p>User's interface: Manual</p> <ul style="list-style-type: none"> <li>• Software and/ or standard of communication (where ever required): NA</li> </ul> <p>PHYSICAL CHARACTERISTICS</p> <ul style="list-style-type: none"> <li>• Dimensions (metric): NA</li> <li>• Weight (lbs, kg): NA</li> <li>• Capacity: 40 L,</li> <li>• Noise (in dBA ): NA</li> </ul> <p>Heat dissipation Heat Dissipation: Should maintain nominal Temp and</p>
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the heat should be disbursed through an cooling mechanism

Mobility, portability: Portable

ENERGY SOURCE (electricity, UPS, solar, gas, water, CO<sub>2</sub> ....)

- Power Requirements recharging unit:  
Input voltage- single/3-phase
- Battery operated: No
- Tolerance (to variations, shutdowns): $\pm 10\%$
- Pressure gauge: 0-2.1Kgf/cm<sup>2</sup>
- Operating pressure: from 15-20 psi
- Sterilizing pressure: 1.2Kgf/cm (15 psi) at 121°C
- Protection: should have over-charging cut-off with visual symbol.
- Power consumption: up to 5kW

#### ACCESSORIES, SPARES PARTS, CONSUMABLES

- Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system):
- Perforate basket (rust-free stainless steel)
- Cord-plug-4 no.
- Biological and chemical indicators-1 set
- Heating element ISI marked-
- Gasket-1

#### 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%

22.Shadowless Lamp  
(Spot lamp)

- 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.

STANDARDS AND SAFETY

- Certificates (premarket, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international:
- Should be FDA/CE/BIS approved product
- Manufacturer and Supplier 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)
- shall meet internationally recognised for Electromagnetic Compatibility (EMC) for electro medical equipment: 61326-1.
- Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
- Pressure test certificate
- Steel grade certificate
- Local and/or international Manufacturer / supplier should have ISO certificate for quality standard.

TRAINING AND INSTALLATION

- Pre-installation requirements: nature, values, quality, tolerance
- Availability of 5 amp socket;
- Safety and operation check before handover;
- Requirements for signoff: Certificate

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of calibration and inspection from the manufacturer

**WARRANTY AND MAINTENANCE**

- Warranty: 3 years

Maintenance tasks:

- Maintenance manual detailing;
- Complete maintenance schedule
- 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;

**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
- Certificate of calibration and inspection
- Other accompanying documents: List of important spares and accessories, with their part numbers and cost;
- Any Contract (AMC/CMC/add-hoc) to be declared by the manufacture
- Recommendations or warnings: Any warning signs would be adequately displayed

GENERAL  
USE

- Clinical purpose - Widely used in examination and operation lighting in surgical dept, ENT dept, dept of stomatology, orthopaedicdept, dept of ophthalmology, dept of dermatology and OPD, Facial features section, operation illumination, flow examination, gynaecology examination etc. Perfect for specialties that require very focused light in specific areas like OB/GYN,/SNCU etc.

- Used by clinical department/ward-  
Operation theatre/SNCU

#### TECHNICAL CHARACTERISTICS

- Technical characteristics (specific to this type of device)
- Source of Light: LED light
- Illumination(lx) should be LED
- Minimum 25,000 Lux at a working distance of
- 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 hr
- CRI>90
- R9>85

User's interface-Manual

Software and/or standard of communication (where ever required)-NA

#### PHYSICAL CHARACTERISTICS

- Dimensions (metric)- It should be a mobile floor mounting type of minimum height 150cm including light head. Made of high quality ABS/Equivalent material body.
- Weight (lbs, kg)-NA
- Configuration-NA
- Noise (in dBA)-NA
- Heat dissipation-Heat Dissipation:

		<p>Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism</p> <ul style="list-style-type: none"> <li>• Mobility, portability-Mobile</li> </ul> <p>ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)</p> <ul style="list-style-type: none"> <li>• Power Requirements-Recharging unit: Input voltage- 220V-240V AC, 50Hz</li> <li>• Battery operated-NO</li> <li>• Tolerance (to variations, shutdowns)-NA</li> <li>• Protection-Should have over-charging cut-off with visual symbol.</li> <li>• Power consumption:-NA</li> </ul> <p>ACCESSORIES, SPARE PARTS, CONSUMABLES</p> <ul style="list-style-type: none"> <li>• Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)-NA</li> </ul> <p>STANDARDS AND SAFET</p> <ul style="list-style-type: none"> <li>• Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international-</li> <li>• Should be USFDA/CE/BIS and ISO 13485 approved product.</li> <li>• Electrical safety conforms to the standards for electrical safety IEC 60601-1 General requirements (or equivalent BIS Standard</li> <li>• Shall meet internationally recognised for Electromagnetic Compatibility (EMC)and Electromagnetic Interference(EMI) for electrometrical equipment: IEC 60601-1-2</li> <li>• Certified to be compliant with IEC 60601-2-4 for usability.</li> <li>• Local and/or international- Manufacturer / supplier should have ISO certificate for quality standard.</li> </ul> <p>TRAINING AND INSTALLATION</p>
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- 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

#### WARRANTY AND MAINTENANCE

- Warranty-3 years
- Maintenance tasks
- Maintenance manual detailin
- Complete maintenance schedule
- 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;

#### 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
- Any Contract (AMC/CMC/add-hoc) to

		<p>be declared by the manufacturer;</p> <ul style="list-style-type: none"> <li>• Recommendations or warnings-Any warning signs would be adequately displayed</li> </ul>
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**26.Otoscope**

	<p>Otoscope</p>	<p>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.</p> <p>Used by clinical department/ ward: ENT</p> <p>Technical characteristics (specific to this type of device):</p> <ul style="list-style-type: none"> <li>• Battery (3.5v) operated high efficiency Fiber optic LED otoscope with detachable head and handle with high quality optics.</li> <li>• The viewing window with 3x magnification.</li> <li>• Should have on/off button on the handle for illumination, the handle should be made of Solid metal-chrome slip type shock proof.</li> <li>• The light should have minimum colour temperature of 4000k with CRI &gt;90 for Bright and homogeneous illumination with excellent colour rendering.</li> <li>• Should have rotating knob to control the intensity of the otoscope.</li> <li>• The LED lamp life should be more than 10000 hrs.</li> <li>• User's interface: Manual</li> </ul>
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		<p>PHYSICAL CHARACTERISTICS</p> <ul style="list-style-type: none"><li>• Dimensions (metric): Hand Held Portable</li><li>• Weight (lbs, kg) : NA</li><li>• Configuration : NA</li><li>• Noise (in dBA) : NA</li><li>• Heat dissipation : NA</li><li>• Mobility, portability : Handheld device</li></ul> <p>ENERGY SOURCE (electricity)</p> <ul style="list-style-type: none"><li>• Power Requirements: NA</li><li>• Battery operated : Yes</li><li>• Tolerance (to variations, shutdowns): NA</li><li>• Protection: NA</li></ul> <p>ACCESSORIES, SPARE PARTS, CONSUMABLES</p> <ul style="list-style-type: none"><li>• Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)</li><li>• Battery -2nos</li><li>• Reusable EAR specula of 2mm, 3mm, and 4mm three from each. The specula should be autoclavable.</li><li>• Storage case (rigid and steady)</li></ul> <p>STANDARDS AND SAFETY</p> <ul style="list-style-type: none"><li>• Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international</li></ul>
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- 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 manufacture
- 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.

		<ul style="list-style-type: none"><li>• Free servicing (min. 2/year) during warranty period</li></ul> <p>DOCUMENTATION</p> <ul style="list-style-type: none"><li>• Operating manuals, service manuals, other manuals Should provide 2 sets(hardcopy) of:-</li><li>• User, technical, maintenance and service manuals to be supplied along with machine diagrams;</li><li>• List of equipment and procedures required for local calibration and routine maintenance;</li><li>• Certificate of calibration and inspection</li><li>• Other accompanying documents List of important spares and accessories, with their part numbers and cost;</li></ul> <p>NOTES</p> <ul style="list-style-type: none"><li>• Service Support Contact details (Hierarchy Wise; including a toll free/landline number)</li><li>• Contact details of manufacturer, supplier and local service agent to be provided</li><li>• Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;</li><li>• Recommendations or warnings: Any warning signs would be adequately display</li></ul>
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**27.Fetoscope**

binaural and vinyl coated headrest

22 inch Y-tubing

29 inch overall

Latex free

**28.LED X-RAY VIEW BOX**

Parameter

SINGLE SCREEN

Dimensions (mm)	Frame (L x H x T)	503 x 503 x 29 mm
	Viewing Area (W x H)	360 x 440
Power Consumption		15W
Light Source		LED
Power Supply Input		AC100-240V 50/60Hz
Brightness (LUX)		>10,000
Net Weight (Kgs)		4.8

### 29. Oxygen Cylinder

Oxygen cylinder for hospital purpose 40 CFT and 10ltr water capacity.

### 30. Oxygen Cylinder Trolleys

- Capacity: 10 Ltr - 40 Ltr
- Material: Steel
- Color: white
- Specific Use: Hospital Trolley
- Epoxy coated finish
- Mobile on two fixed 10 cm. castors

### 31. Oxygen Flowmeter Regulator

- Chrome-plated brass body with all brass high-pressure chamber
- Maximum rated inlet pressure 3000 psi
- Durable neoprene diaphragm
- Internal reseating relief valve protects against over-pressurization
- Sintered filter for additional safety and to extend regulator life
- 2 inch diameter gauge
- UL listed
- 15 LPM Oxygen models provide 85-90 LPM flood maximum
- 7 LPM models restricted to 10 LPM maximum
- Polycarbonate inner and outer tubes provide greater accuracy and durability
- Includes plastic swivel hose barb

### 32. Adult Disposable Oxygen Masks

Connection Type      Standard, Universal

Latex Free              Yes, No

Size                      Adult

Tubing Length Feet    7 ft

**30. Dental Extraction Forceps(Adult)-12**  
Forceps-Material Stainless Steel-Hospital Use  
-with bag

**33. Dental Extraction Forceps(Adult)-6**  
Forceps-Material Stainless Steel-Hospital Use -with bag

**34 Dental SS Mouth Mirror with handel-** Material Stainless Steel-Hospital Use

**35. Dental Explorer-** Material Stainless Steel-Hospital Use

**36. Dental Molt Periosteal Elevator-** Material Stainless Steel-Hospital Use

37. Kidney Tray – (sizes of 6", 8", 10" and 12"), .The thickness of the Kidney Trays is approximately 0.63 mm .Material Stainless steel, Hospital Use.

38. 9" Stainless Steel Instrument Tray with cover- Material Stainless Steel-Hospital Use

Sl.No.	Name of the instruments	Size & Specification	Quantity
1	Alleys forcep	6 inch Tungsten Carbide type	
2	Needle Holder	6 inch, 8 inch Tungsten Carbide type	
3	Straight Artery Forcep	4 inch, 6 inch Tungsten Carbide type	
4	MosquotoForcep (Mini curved)	4 inch Tungsten Carbide type	
5	Nasal Forcep	6cm	
6	Artery Forcep	6 inch Tungsten Carbide type	
7	Curve Cutting Needle	Size-6,7,8,9,10,11,12	
8	Curve Round body needle	Size-6,7,8,9,10,11,12	
9	Straight Cutting Needle	Size-6,7,8,9,10,11,12	
10	Sponge Holder	8 inch Tungsten Carbide type	
11	Dressing Forcep	6 inch Tungsten Carbide type	
12	Uterine Volselum (L)		
13	Uterine Volselum (S)		
14	BP Handle	Size-3,4	
15	BP Blade		
16	Canula (Diffrentsize)	Size-5,6,7,8,9,10	
17	Tounge Depressor	Standard	
18	Ear Syringe	4 Oz	
19	ChittleForcep	8 inch	
20	Sharp Scissor	4 inch, 6 inch (Straight)	
21	Scissor Curved	4 inch, 6 inch	
22	Tooth DisecForcep	4 inch	
23	Plain DisecForcep	4 inch	
24	Kidney Tray	8 inch, 10inch, 12inch	
25	Plain Small Forcep	4 inch	
26	Ear Speculum	Chromium Plated Speculum of all sizes	
27	Ear Speculum	Chromium Plated Speculum of all sizes	

(Sample of specified items as per the specification should be furnished during submission of technical bid in sealed packing with name labeling on the each instrument.)

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Price

**TENDER FORM Part -2**  
(To be submitted in Financial Bid envelop)

Section-II

**FINANCIAL BID**

**Price Bid for Instruments and Equipments:**

S. No	UPHC Equipment/instrument	Name of Manufacturer and Model	Quoted Rate inclusive of all Taxes ( In Rs.)
1	Adult weighing scale		
2	Artery forceps (large & Small)		
3	Autoclave/Boiler		
4	B.P. (Digital) apparatus		
5	Baby weighing scale		
6	Bowl for antiseptic solution for soaking cotton swabs		
7	Bowls stainless steel		
8	Clinical Digital thermometers		
9	Cusco Speculum		
10	Dressing Drum		
11	Deep Freezer (small with Voltage stabilizer)		
12	Dressing trolley		
13	Ear specula		
14	Elic Forcep		
15	Ear syringe		
16	Emergency tray and equipment		
17	Fetoscope		
18	Forceps cheatle 9 "		
19	Forceps plain 6 "		
20	Forceps toothed 6 "		
21	Head light		
22	Height measuring Scale		
23	Infantometer		
24	Instrument trolley		
25	IUCD kit		
26	IV Stand		
27	Kidney trays		
28	Measuring tape		
29	MVA syringe and cannula of sizes		
30	Nebulizer		
31	Needle destroyer		
32	Needle Holder		
33	Oxygen Concentrator		
34	Oxygen cylinder on trolley with spanner and flow meter		
35	Percussion (knee) hammer		
36	Probe for ear wax removal		
37	Resuscitation self-inflating bags (Ambu's) and masks of different sizes		
38	Scissors		
39	Sims speculum		

40	Single panel X-ray view box		
41	Slides		
42	Snelle's Chart		
43	Spatula		
44	Sponge holding forceps		
45	Spot light		
46	Stadiometers		
47	Stainless steel tray with cover		
48	Sterilizer		
49	Stethoscope		
50	Stitch Cutter		
51	Suction Apparatus		
52	Tongue Depressor (Disposable)		
53	Torch with batteries		
54	Tray containing chlorine solution for keeping soiled instruments		
55	Tuning fork		
56	Vulsellum uterine forceps		
57	Tooth Extractor Forcep		
58	Examination Table		
59	Table for Immunization		
60	Wheel Chair		
61	Stretcher on Trolley		
62	Folded Screen		
63	Footstep		
64	Stool		
65	Medicine Chest		
66	Lamp		
67	Racks		
68	Basin with stand		
69	Dustbin		
70	Colour coded Bin		
71	Hub Cutter		

NB- Specifications of all the above items are enclosed in Annexure-I.

(Rates per Unit quoted should be **inclusive of all cost**, transportation to the different Health institution of Cuttack District & **inclusive of charges of VAT & other taxes** if any as applicable (The % of tax if any included in the price must be mentioned below)

II. TAX

Pl. Mention the % of tax if any **included** in the above quoted price: \_ %  
 (It is compulsory to indicate the % of tax in the relevant space mentioned above)

Signature of the authorized signatory)

Place :

Date :

Seal