

RAJASTHAN MEDICAL SERVICES CORPORATION LTD.

(A Government of Rajasthan undertaking)

GANDHI BLOCK, SWASTHYA BHAWAN, TILAK MARG, JAIPUR

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No. F-8() RMSC/EPM/M-4/16-17/NIB-178/ ५०९]

Dated: 27/9/16

CLARIFICATION/CORRIGENDUM/ADDENDUM

Subject:- Amendment in Bid document for the procurement of Establishing of Skill Lab on Turnkey Basis for ANM Training Centre, GNM Training Centre and State Nodal Centre under NIB No. No. F-8() RMSC/EPM/M-4/16-17/NIB-178/3599 Dated: 11.08.2016.

1. **SECTION III, Point no. 1-Qualification Criteria, Clause no. 2 -Contractual experience, Point no. 1 and SECTION VI A: General Conditions of Rate Contract (GCC), Clause no.-2.1(i) should be read as:-**

The bidder should be Manufacturer/ Direct Importer (import from single foreign principal manufacturer) for 50% or more of the core Item Mannequins specified in Bid and for remaining 50% Mannequins, the bidder should enter into consortium with other manufacturer/ direct importer. E-Commerce or other foreign company mediation with bidder would not be allowed in this bid.

2. **SECTION III, Point no. 1-Qualification Criteria, Clause no. 2 -Contractual experience, Point no. 2 and SECTION VI A: General Conditions of Rate Contract (GCC), Clause no.-2.1(ii) should be read as:-**

1. For other items , the bidder should enter into consortium as follows :-
 - a. Item- Furniture, Equipments-section 1& Instruments- Section 1: Consortium with manufacturer/ direct importer.
 - b. Item- Consumables, Equipments-section 2& Instruments- Section 2, Infection Prevention and Model, Charts & Learning Materials: Consortium with Authorized distributor/ authorized dealer.

The bidder should submit all supportive documents of consortium with specified requirements as above.

3. The bidder should submit quality assurance certificate WHO, GMP and COPP for drug items listed under consumables in technical bid.
4. For technical evaluation, the bidder will have to arrange for a skill lab demonstration at Jaipur which will be assessed by Technical committee duly constituted for the purpose. The final technical approval would be subject to Demonstration.
5. Technical Experience: The Bidder should have established at least one skill lab at any state in India and submit satisfactory report to this effect in technical bid.

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SECTION III, Point no. 1-Qualification Criteria, Clause no. 2 -Contractual experience, Point no. 5 and SECTION V: SCHEDULE OF SUPPLY, Point no. 2.1.1, SECTION VI A:- GENERAL CONDITIONS RATE CONTRACT (GCC), Clause no. 11 -Supply orders , Point regarding total time period for completion of this project, should be read as:-

The total time period for completion of this project shall be 90 days from the date of awarding supply order and it is bifurcated into phases as mentioned below:-

- a) 22 skill labs should be established in starting 50 days.
- b) After successful completion of first 22 skill labs, rest of 25 skill labs should be established in next 40 days.

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6. ANM Training Center, Pratapgarh is added in the list of consignee.

7. E-tenders are invited as per following time schedule:-

Last Date for Sale of Bid Form	Last Date of Receipt of Bid Form	Date of Opening of Technical Bid
20.10.2016 Up to 11.00 A.M.	20.10.2016 Up to 1.00 P.M.	20.10.2016 From 3.00 P.M.

8. In reference to above cited subject and NIB No.-178, The Technical Specification of items (Section-V, Schedule of Supply, Point no. 3) are here by amended as below:-

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Revised Technical Specifications
Quoted item details

(Must be filled by bidder and submitted along with technical bid)

Sr No.	Item Category (Mannequins/Equipments /Instruments/Furniture /Infection Prevention articles/ model, charts, learning items)	Quoted capacity (Manufacturer/Direct importer/ authorized distributor/ Authorized dealer)	Item Name	Make	Model	Compliance with Technical Specifications (fully/ partial)	Reason (In case of partial compliance)

(1) Technical Specification of Furniture

Stool

1. The Metal Stool's covers requirement of materials, construction and finish of Metal Stool, by **ISO – 9001, ISO- 14001/OHSAS CERTIFIED or BIFMA CERTIFIED** manufacturers only.
2. Screws wherever if used should be anodized.
3. Metal Stool Seat made out 20SWG thick CRCA steel sheet with suitable edge bending.
4. The Stool should have 32mm X 32mm square CRCA pipe X 1.8mm thickness, having Shoe cover – Rubber/Neoprene at the bottom.
5. The Metal Stool should have comfortable and balanced seating.
6. The Powder coat color of the Metal Stool shall be confirmed at the time of order.

1. DIMENSIONS:

- Height of the Stool : 600mm
- TOP of the Stool : 305mm X 305mm
- Outer distance of Stool legs : 420mm x 420mm
- Tolerance : ± 10mm

2. ASSEMBLY:

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- 1) The components shall be assembled by means of welding or bolting.
- 2) All Dents, Burns & Sharp edges shall be removed from the various components & bends.
- 3) All the metal parts of the Stool should be powder coated.

StudyChair

1. Chair should be perfectly ergonomically designed manufactured by **ISO – 9001, ISO-14001/OHSAS CERTIFIED or BIFMA CERTIFIED** manufacturer.
2. Screws used, if any, should be anodized.
3. Seat made out of metal perforated CRCA sheet of 20 SWG, duly powder coated
4. Half back made out of metal perforated CRCA sheet of 22 SWG, duly powder coated
5. The Chair frame made from 19mm Dia CRCA Steel pipe of 20 SWG, duly powder coated.
6. The chair should have comfortable and balanced seating.
7. **DIMENSIONS:**

Height of the Chair	:	80.5cms
Depth of the Chair	:	52cms
Seat Height	:	45cms
Width of the chair seat	:	45cms
Tolerance	:	± 10mm
8. All dents, burrs and sharp edges shall be removed from the various components. The components shall be individually pickled, scrubbed and rinsed to remove the grease, rust, scale or any other foreign element.
9. Chair should be compatible & tested for stability at least up to a weight of 120kg load.

Table

1. Office table of steel frame manufactured by **ISO ISO – 9001, ISO- 14001/OHSAS CERTIFIED or BIFMA CERTIFIED** manufacturers.
2. **MATERIALS:** Frame should be made up of CRCA steel. Screws used shall be anodized wherever used, Table top should be made up of minimum 18mm thick Particle Board both side laminated conforming to relevant IS along with PVC beading or teak wood beading all around the top.
3. Frame & Drawer should be duly powder coated.
4. **DIMENSIONS:** The dimensions of the table and table top shall be 4' X 2' X 2.5' ±2".
5. **TUBULAR FRAME:** The legs of the frame shall be made from CRCA 25 mm square steel tubular pipe (without joint) with a wall thickness of minimum 1.2 mm, welded/screwed to the main frame.
6. **FINISH:** All Dents, Burns and Sharp edges shall be removed from the various components. The components shall be individually pickled, scrubbed and rinsed to remove grease, rust scale or any other foreign element. Immediately after pickling, all the mild steel parts shall be given phosphate treatment. The finish should be smooth and uniform. The finish shall be free from all visible defects.




White Board

1. **MATERIALS:** Anodized Aluminum sheets for beading and string purposes shall confirm to IS: 4972 : 1986. White board used shall be of superior quality with porcelain fused steel Matt surface suitable for writing with sketch pen and wiping with ordinary duster as well as for Projection Screen. The white Board and all other accessories should have Magnetic effect.
2. **DIMENSIONS:** The dimensions of White – Board shall be 900 x 1200mm \pm 5%.
3. **FABRICATION:** It should be with even surface and scratch resistant. It should have no effect to any chemical influence. The board shall have an envelope of Aluminum beading in such a way that the board remains in this framework only. The beading at four corners of the board shall be hinged properly. On the upper top side of the display board there shall be two strings of aluminum sheet not less than 1 mm in thickness, tightened and fixed properly with the board so that the board could be hanged with two nails. The distance between these two strings shall be adjusted in such a way that when the board is hanged on a wall no side of it is tilted.
4. **ACCESSORIES:** Hardware, nuts, bolts and screws should be of chemically anodized steel.
5. **Guarantee:** Guarantee should be one year from the date of successful installation at consignee place.
6. **Supplied with:-**
 - 6.1 Tripod stand for white board- 01qty
 - 6.2 White board markers 1box (red, black, green, blue colors -2sets of 4colors)
 - 6.3 Flip chart stand – 02 qty

Specification of Office Almirah (Large)

1. Almirah (large) with adjustable shelves conforming to IS: 3312 manufactured by **ISO – 9001, ISO- 14001/OHSAS CERTIFIED or BIFMA CERTIFIED.**
2. Material used: CRCA Sheet & anodized Screws.
3. **DIMENSIONS**

Height: 1980mm(1855+125) including the height of pedestals.

Width: 910mm

Depth: 480mm

No. of shelves: Four Numbers (adjustable)

Tolerances: \pm 5mm
4. **FABRICATION**
 - a. Sides, Back, Top and Bottom: The sides shall be made of mild steel sheet of minimum 0.8mm thickness.

- b. Supports: The adjustable shelves shall be supported on four adjustable brackets, resting on slotted MS Strips, fixed at four inside corners of almirah.
 - c. Doors: The steel Almirah shall be provided with two doors formed out of mild steel sheet which shall have minimum 1mm thickness.
 - d. Pedestal: The pedestal shall also be made from mild steel sheet minimum 0.8mm
 - e. Hinges: The hinges shall be either plain butt type made from mild steel 1.6mm thick or double folded type fabricated from mild steel 1.2mm thick. The number of hinges on each door shall be three numbers.
5. Locking Mechanism: There shall be suitable locking mechanism not be less than six levers brass lock with duplicate keys of non corrosive material and three way bolting device.
 6. Almirah should be duly powder coated as per ordered color or as per sample color.
 7. FINISH: All Dents, Burns and Sharp edges shall be removed from the various components. The components shall be individually pickled, scrubbed and rinsed to remove grease, rust scale or any other foreign element. Immediately after pickling, all the mild steel parts shall be given phosphate treatment. The finish should be smooth and uniform. The finish shall be free from all visible defects.

Technical Specifications of Library Cabinet (Steel) with Glass Door

1. Library Cabinet (Steel) with Glass Door standard covers requirements of materials, construction and finish of Toughened Glass with adjustable shelves from ISO – 9001, ISO-14001/OHSAS CERTIFIED or BIFMA CERTIFIED manufacturers only.
2. **DIMENSIONS:**
The dimensions of Library Glass Door Cabinet shall:
Height: 1800mm
Width: 900mm
Depth: 375mm
No. of shelves: Four Numbers (adjustable)
Tolerances: ± 5 mm
3. **MATERIALS:** Should be Mild Steel Sheets wherever used shall be CRCA and screws shall be anodized.
4. Cabinet Sides, Back, Top and Bottom shall be made of Mild steel sheet 0.8mm thickness.
5. The adjustable shelves shall be supported on four adjustable brackets, resting on slotted MS Strips, fixed at four inside corners of Cabinet.

6. The Glass Door Cabinet shall be provided with two doors, fitted with Toughened Glass, formed out of mild steel sheet which shall have 1mm thickness.
7. The pedestal shall also be made from mild steel sheet 0.8mm.
8. The hinges shall be either plain butt type made from mild steel 1.6mm thick or double folded type fabricated from mild steel 1.2mm thick.
9. The number of hinges on each door shall be three numbers. There shall be suitable locking mechanism not be less than six levers brass lock with duplicate keys of non corrosive material and three way bolting device controlled by zinc based alloy handle.
10. All Metal Parts shall be powder coated and screws shall be anodized.
11. **FINISH:** All Dents, Burns and Sharp edges shall be removed from the various components. The components shall be individually pickled, scrubbed and rinsed to remove grease, rust scale or any other foreign element.

Other T&C

1. Minimum 1 year manufacturing defect guaranty i.e. fabric, welding, screws etc.
2. All tubular ends in table & chair should be covered with good quality rubber stopper.
3. Packing shall be of good quality to avoid damage or scratches during transit.
4. Color of item (frame & Fabric) shall be confirmed by ordering authority at the time of supply order or as per sample. Possible color options must be identified by bidder for various parts.
5. The final technical approval of furniture items shall be after inspection of samples by technical committee at the time of technical bid evaluation.
6. The Technical Committee or RMSCL representative may visit manufacturing unit any time during Rate Contract period on expenses of bidder.

(2) TECHNICAL SPECIFICATION OF EQUIPMENTS & INSTRUMENTS

General Specifications desired for all Equipment's& Instrument's:

- The material used for equipment's should be rust proof, high quality PVC/stainless steel/ polyvinyl and silicone rubber as applicable and free from any carcinogenic agents.
- The fittings of all equipment's must be of stainless steel/aluminium.
- The equipment's should be durable of minimum 3 years for repeated use by trainers/trainees.

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- The supplier must ensure manufacturer's guarantee against for the specifications and also manufacturing defects.
 - The supplier will be responsible for service, maintenance, replacement etc. against any complaints up to the satisfactions of the users irrespective of the location of manufacturing unit during guarantee and CMC Period.
 - The supplier must ensure the availability of on-call service agent from state head quarters within 48 hours, from local within 24 hours, from outside state within 7 days and in case the problem is not rectified onsite at the time of service then its need to be rectified within next 7 days for minor defects and within 28 days for major defects.
 - The equipment's should have three years guarantee.
 - Equipment's should include a Hard Carrying Case and study questions, Dos and Dont's, maintenance guide, use of equipment's, background Information, transparencies and videotape, User manual with trouble shooting guidance, Technical manual with maintenance and first line technical intervention instructions and any other relevant teaching / training materials, in English.
 - The equipment's should have detailed information of the device features, functions, detection capabilities, method of operation, materials, alarm capabilities, software, specifications and operating ranges, power source, parameter detection ranges, etc. wherever applicable. This description should contain engineering drawings, pictures, and all devices labelling, such as Instructions for use and promotional materials.
 - The equipment's should have additional accessories as listed and also material/ gel/ oil to avoid friction and enhance smooth function, list of accessories & spare parts with cost & contact details of its supplier preferably within State.
 - The supplier / manufacture should list the name and address of technical service providers in India.
 - The equipment's should have power cord wherever required, temperature electrode and fittings with at least 10 meters of standard wire and accessories.
 - All equipment's should have device safety certification.
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- The company should mention the make & model of the quoted item and submit the technical brochure of the quoted model in the Technical bid along with compliance sheet as per technical specifications.
 - **Guarantee:** Guarantee should be Three years on Equipments and 1 year on Instruments from the date of successful installation at consignee place.

Sr No.	Name of Equipments and Instruments
1.	<p>Measuring tape:- It is used for accurately measuring part of the body. It is made up of durable non-stretch fiberglass fabric secured at either end with metal fastening with features inches on one side and metric on other side.</p>
2.	<p>Foot rest(1-2feet height)</p> <ul style="list-style-type: none"> • Made of 16 Gauge 1-2" M.S. tubular frames fitted with PVC stump. • Top covered with M.S. sheet of 16 Gauge. • Pre-treated and epoxy powder coated.
3.	<p>Watch with seconds hand:- It is a watch with resin/silicon case, with quartz movement and easy to read numbers with the following :</p> <ul style="list-style-type: none"> • 24 Hour dial (Analog) • Step Second Hand , easily recognizable • Water Resistant
4.	<p>Sahli'shaemoglobinometer</p> <ul style="list-style-type: none"> • Haemoglobin meter should be based on Sahli'smethod. • The haemoglobin meter set should consist of colour comparator, • HB Pipette of 20 um. • HB square tube of unbreakable plastic. • bottle for HCL N/10, • Brush for cleaning the tube. • The set should be kept in unbreakable plastic box.
5.	<p>Puncture proof Container 5 Litre capacity</p> <ul style="list-style-type: none"> • Made of heavy-duty plastic • Able to close with a tight-fitting, puncture-resistance lid, without sharps being able to come out • Upright and stable during use • Leak resistant • Properly labelled to warn of hazardous waste inside the container.
6.	<p>Specimen collection bottles- Plastic:- These are disposable specimen collection containers suitable for collection of urine, stool and mucus sample. These are made up of virgin plastic.</p>
7.	<p>Test Tube Holder:- It is a hand held clamp/holder for heating a single test tube over flame. It is made up of iron, chrome plated, resistant to corrosion. Normal Length- 14.8 cm, has spring action and self closing mechanism to ensure safe hold with correct pressure.</p>
8.	<p>Spirit lamp:- It is made up of Stainless Steel, sheet dried pressed with woven wick in metal</p>

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	holder, screw on cap Capacity- 100 ml
9.	Plastic Trays:- Size- 375x300x75 mm. These are multipurpose trays made up of moulded polypropylene and are used for keeping instruments, as medicine tray and dressing tray.
10.	Delivery trolley: <ul style="list-style-type: none"> • Grade 304 stainless steel • 4 wheels with 2 breaks • 3 shelves. Minimum thickness of shelves not less than 1mm. • Dimensions: 550x860x900 mm • Tolerance ± 10mm
11.	Functional focus lamp <ul style="list-style-type: none"> • For use in obstetric/gynecological examination • Arm- Articulated arm with ON/OFF switch on lamp's head and incorporated with electronic transformer • Length of Arm- 69 cms • Voltage- Operates on 220-240 V , 50 Hz, AC Mains • Lamp- 12 V/50 W Halogen Lamp/ LED. • Light Intensity- 15000 Lux • Dome- Polycarbonate , focusable • Base- Metal, chrome plated with 5 castors • Supply with Spare Bulb 04 nos (if Halogen bulb).
12.	Infant weighing scale:- It is a table top electronic scale with built in rechargeable system and has: <ul style="list-style-type: none"> • Easy to clean acrylic (non metallic) baby tray • Resolution of 5 gram • Freeze reading display • Zero weight adjustment facility • Quick, clear , digital readouts
13.	Infantometer- 18"x7" Broad acrylic base , one sliding side
14.	Functional bag and mask with two sizes masks (0and1) – Made up of Silicon rubber bellow, bag volume 300 ml, autoclaveable
15.	Oxygen cylinder with opener – B type with flowmeter
16.	Small S.S. steel bowl with lid
17.	SS trayBig-12"x10"with lid
18.	SIMS/Cuscus speculum- Medium size
19.	Mayo's scissor(curved)-10"
20.	Vulsulum/Tenaculum – 3:4 teeth, 9"

21.	Uterine sound- with cm graduation
22.	Anterior vaginal wall retractor
23.	Spongeholder – 10"
24.	Cheattle forceps with SS bottle with narrow Mouth Container
25.	Cord clamp
26.	Scissors–straight-8"
27.	Artery Forceps-10"
28.	Dee Lees Mucous extractor/ Penguin mucus sucker
29.	Needle holder – 125 mm
30.	Toothed Dissecting forceps – 140 mm
31.	Plain Dissecting forceps- 140 mm
32.	Episiotomy scissor – 145 mm
33.	Small artery forceps- 130 mm
34.	Kellys/PPIUCD forceps- Class 4, SS type 410
35.	<p>Dictation Machine</p> <ul style="list-style-type: none"> • Dictation machine should be able to give a simulation of fetal heart sound. • Dictation machine should have 4 GB Digital Voice Recorder. • Dictation machine voice recorder should be perfect for recording digitally all the voices and reproduce it with good quality sound. • Dictation machine should have different recording settings. • Dictation machine should have digital pitch control / facility for different Scene Selection. • Dictation machine should have Intelligent Noise Cut / Low Cut Filter / Digital VOR. • Dictation machine should have Linear PCM / MP3 / WMA /AAC Playback. • Dictation machine should have Track Mark
36.	Tourniquet (Manual)
37.	Kelly's pad
38.	<p>Hub Cutter:</p> <p>1. Material used will have</p> <ul style="list-style-type: none"> • The cutting blade of the cutter will be made of stainless steel • The thickness of the blade will not be less than 0.5 mm with one side sharpen to cut minimum of 10,000 cuts. • All other metal if used in the hub cutter will be made of galvanized carbon steel which will withstand rusting even in rough weather with high humidity coastal region for a minimum of fiveyear). • The spring if used in the hub cutter will be made of steel wire for

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	mechanical spring.
39.	<p>Metered dose Inhaler with Spacer</p> <ul style="list-style-type: none"> • The Spacer must be of 145 ml volume. • The spacer should be 5-6" long and 2" diameters. • The spacer should fit with the in haler. • It should have silicone one way valve to prevent exhaling air from entering the chamber. • The spacer should be washable, could be sterilized and reusable. • The spacer should be latex free.
40.	<p>Autoclave - small size portable Specification of Vertical Autoclave Double Drum</p> <ul style="list-style-type: none"> • The Unit Comprises of Stem jacket electrically heated, inner chamber and Lid made of Stainless Steel sheet. • Working Voltage : 220V±10V/ 440V±10V, AC, 50 Hz • Type: Cylindrical, Chamber : SS 316 & Jacket : SS 304 • Sterilizing pressure : 1.2 to 1.5 Kgf/cm² (15 to 22 psi) at 121°C • Chamber Size: 400 X 600 mm, Volume: 75 Ltr., Heating Element: 6 KW • High Grade strong stainless steel SS 304, Triple walled construction. • Positive radial self-locking safety doors. • Hydrostatically tested to withstand 2.5 times the working pressure. • Sealed with Neoprene/Silicon long-lasting and durable gasket. • Analog display for Jacket and Chamber pressure and temperature. • Outer jacket of mild steel insulated to prevent heat loss. • Mounted on tubular mild steel frame with ground levelling flanges. • Internal joints should be argon arc welded. • Safety Features: Low water Protection Device, Automatic Pressure / Switch, Safety Valves. • Should have 2 bins for loading.
	<ul style="list-style-type: none"> • Manufacturer should have BIS certificate. (valid documentation should be submitted in technical Bid) • Service Network of Firm in Rajasthan is essential. • Supply with 02 nos. autoclave/dressing drums.
41.	<p>Oxygen Concentrator</p> <ul style="list-style-type: none"> • Oxygen concentrator to provide oxygen from atmospheric air.

	<ul style="list-style-type: none"> • Oxygen concentration measured at the flow meter by oxygen sensing device (OSD) • Sound level <15dB. • Superior grade of molecular sieve with an indicator/ sensor on the device indicating whether the sieve is functional or non-functional. • Maintenance free rotary poppet valve. • Oxygen purity approximately 90%, Oxygen output approximately: 0.5 LPM, Pressure approximately: 8 psi. • Double out let or flow splitter for oxygen Delivery. • Oxygen tube of 2m length must be provided with two humidifier bottles and two cabinet filters. • Power requirements: 220V/ 50Hz • Power consumption: 450 W. • Device is safety certified according European CE with notified number/USFDA. • Device should be manufactured by an ISO 13485 manufacturer. • Additional Accessories: <ul style="list-style-type: none"> ○ 3 spare set of tubing. ○ 3 spare set of internal and external filters (bacterial). ○ 10 spare set of fuses.
<p>42.</p>	<p>Pulse Oximeter with probe:</p> <ol style="list-style-type: none"> 1. Compact portable bedside pulse oximeter with colour monitor LCD/LED display at least 5" or more 2. Continuous monitoring of SpO₂ (arterial blood oxygen saturation), pulse rate and signal strength 3. Oxygen Saturation <ul style="list-style-type: none"> Range : 0 – 100% Accuracy : 50 to 69 % (±3%), 70-100% (±2%). Resolution : 1% 4. Pulse Rate <ul style="list-style-type: none"> Range : 20-250bpm Accuracy : ± 3 – 5 bpm Resolution : 1bpm 5. Display shows SpO₂ (%), HR (bpm) and signal strength bar 6. Large display readable from distance, display covers of durable plastic 7. User preset of high/low alarms on SpO₂ and pulse rate monitoring 8. Audio visual alarm for SpO₂ and pulse rate in case measurements are outside preset range 9. Silencing feature for audio alarm 10. Display reports system errors, probe failure and built-in battery status 11. Automatic switch from mains to batteries in case of power failure 12. Power requirements: 220 V/50 Hz and internal re-chargeable battery

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	<p>(autonomy approx 6 hrs, automatic recharge)</p> <p>13. Manufacturer should have ISO 13485 Certificate.</p> <p>14. Equipment should be European CE with notified body/USFDA certified.</p> <p>15. Supplied with:</p> <p>(i). Reusable SpO₂ sensors for Adult including connection cable (2 No.)</p> <p>(ii). Reusable SpO₂ sensors for neonate, Clip on type including connection cable (2 No.)</p> <p>(iii). Reusable SpO₂ sensors for neonate, Wrap around type, including connection cable (2 No.)</p> <p>(iv). User manual with trouble-shooting guidelines should be provided by supplier.</p>
43.	<p>Oxygen Hood</p> <ul style="list-style-type: none"> • Should have round shape 3-Medium size, approximately height 22cm, diameter 25cm, 3 small size, approximately: height 18cm, diameter 20cm. • Should be auto cleavable polycarbonate. • Should be free from trauma of silicon neck, with adjustment flap. • Should have bilateral oxygen nozzle. • Should have oxygen tube of 2m length with one spare set of tubing. • Should have port for oxygen sensor.
44.	<p>Phototherapy Unit</p> <ul style="list-style-type: none"> • Should have heavy sturdy mobile stand photo therapy unit. • Should have four Antistatic castors, 2 with breaks. • Should have single head with surface size approximately: 0.50 x 0.75 m • Should have head height adjustable approximately 1.40 to 1.75 m. • Should have blue light with 4 Compact Fluorescence Tubes (CFL) approximately: 20 W. • Should have white light with 2 Compact Fluorescence Tubes (CFL) approximately: 20 W. • Should have grills to protect the tubes. • Should have Infant table surface with foam padded mattress with density approximately 21-25 Kg/m³ with infant head/ shoulder support and <ul style="list-style-type: none"> ○ Mattress cover should be movable, with zipper, waterproof, washable, resistant to cleaning with chlorine based solution and flame retardant. ○ Infant table should have side boards transparent acryl, drop down and lockable. • Should be irradiance at skin level, up to: 40 UV/cm²/nm. • Should have wave length: 420 to 500 nm, with highest intensity at 470 nm Integrated cumulative hour timer. • The power requirement not more than 220 V/50 Hz; and power consumption

	<p>not more than: 250 W.</p> <ul style="list-style-type: none"> ● Phototherapy unit should have device safety certification according European CE with notified body/ USFDA. ● Device should be manufactured by an ISO 13485 certified manufacturer. ● Additional Accessories: <ul style="list-style-type: none"> ○ 6 spare blue CFL tubes. ○ 3 spare white CFL tube. ○ 10 spare set of fuses.
45.	<p>Radiant Warmer</p> <ul style="list-style-type: none"> ● Should have O₂ cylinder provision. ● Should have mobile new born resuscitation table with fixed-height radiant warmer. ● Should have side trays for accessories. ● Should have four antistatic castors (Wheels) and 2 wheels with breaks. ● Should have table surface with mattress with Infant head/shoulder support. ● Mattress-padding should have foam density approx. 21-25 kg/ m³. ● Mattress cover should be removable with zipper, water proof, washable, resistant to cleaning with chlorine based solution and flame retardant. ● Side boards should be transparent acryl, drop down and lockable. ● Hood suspended above the table should integrate heating element and over-head light. ● Over headlight should have 2 x 50 W halogen spot, with dimming function. ● Heating element should have emitter with parabolic reflector and protected by metal grid and should be with high quality heating element like ceramic. ● Control unit should allow air and skin temperature preset (LCD indicator/ Digital Indicator) and drives radiant heater output (servo and manual). ● Display should report system errors, sensor failure, shock proof with auto regulation for temperature maintenance. ● Power requirement: 220 V/ 50 Hz. ● Power consumption: 800 W. ● Should have electronically controlled sensors (Skin & Air) with digital display for temperature. ● Should also have separate sensor for continuous digital display of room temperature. ● Should have heavy duty and rust proof metal body. ● Should have Servo and manual control facility.

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	<ul style="list-style-type: none"> • Should have SET temperature display on SSD/ LCD by mode selection. • Must have all modes and Timer display on LCD. • Should have all safety alarms-visual display on LCD. • Should have Skin sensor fail alarm. • Phototherapy unit should have device safety certification according European CE with notified body/ USFDA. • Device should be manufactured by an ISO 13485 certified manufacturer. • Additional Accessories: <ul style="list-style-type: none"> ○ 3-mattress. ○ 6-spare skin temperature probe (including connection cable). ○ 3-spare heating element. ○ 10-spare set of fuses. ○ Power cord and fittings with at least 10 meters of wire.
46.	<p>Glucometer Kit</p> <ul style="list-style-type: none"> • Should have direct reading and photometry determination of total amount of glucose in whole blood. • Should have on switch and auto switch-off. • Should have automatic zero on switching on the glucometer. • Should have automatic indication for readiness for receiving of blood through strips. • Should have dual wave length measurement, 660 and 840 nm • Sample size: one drop of whole blood on disposable cuvette. • Measuring time, approximately: 10 seconds. • Measuring range, approximately: 0 to 20 mmol/L or 0 to 400 mg/dl. • Should have accuracy equivalent to laboratory spectrophotometer. • Should have large LED display read able in low light working situations, display cover durable plastic Display in mmol/L and mg/di, easy switch between both measurements. • Memory for at least 100 previous tests.
	<ul style="list-style-type: none"> • Device is safety certified according European CE with notified body/ USFDA. • Device should be manufactured by an ISO 13485 certified manufacturer. • Additional Accessories: <ul style="list-style-type: none"> ○ 10 x box of 100 test strips. ○ 10 x box of 100 sterile lancets. ○ 3 x cleaning set.

	<ul style="list-style-type: none"> ○ 3 x calibration set. ○ 3 x dust cover. ○ 3 x storing case. ○ 10 x spare set of fuses.
47.	<p>Electrical Suction Machine</p> <ul style="list-style-type: none"> ● Should have housing and Base: MS Powder coated cabinet with Stainless Steel top. ● Should be mounted on bearing castor wheels with brakes, completed with pressure regulator ½ H. P. motor. ● Should have capacity: 0-700 mm Hg ± 10 regulatable, flutter free vacuum control knob (pressure regulator), 25 ltrs/min. ● Should have Single rotary vane pump or other equivalent pump. ● Should have wide mouthed 2 x 2 Litre jar (Polycarbonate) with self-sealing bungs and mechanical over flow safety device. ● Should have 8 mm ID x 2 meter tubing (non-collapsible tube with adaptors-PVC). ● Should have bourdon type 6.5 cm Diameter, 0-760 mm Hg calibration Vacuum Gauge. ● Power should be 230 V, 50 Hz, 2 ± 0.5 Amps, 200 watts. (110 V on request). ● Should have Noise level: 50 dB A ± 3 Almost whispers. ● Device should be CE marked. Related documents should be submitted along with technical bid
48.	<p>Foot Operated Suction Machine</p> <ul style="list-style-type: none"> ● Should have High performance suction pump for pharyngeal and tracheal suction. ● Should have double acting piston pump provides a combination of large air flow and high vacuum. ● Should have see-saw movement of pedal that generates suction every time, one side of the pedal is depressed. ● Should have pump chassis complete with valve diaphragms, manifold pipe, bottom cover, cylinder with draw link and valve diaphragm, piston O ring, pedal with retaining springs, aspirating tube with angle connector and combination suction tip.
	<ul style="list-style-type: none"> ● Should have pump which is totally disassembled, is easy to clean and disinfect. ● All parts should be autoclaved at 121°C

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	<ul style="list-style-type: none"> • Should have Vacuum maximum of 600 mmHg. • Should have free air flow at two pumping strokes per second, approximately 30 to 40 L/min. • All the parts should be made of high-strength, long-life materials, not requiring specific maintenance or storage. • Should have transparent polycarbonate collection container capacity, approximately 1 Litter. • Should have thermoplastic rubber Bottom cover. • Manifold pipe: polypropylene Gasket, O-rings and valve diaphragm: silicone rubber. • Should have Teflon piston rings. • Should have aluminium foot pedal. • Additional Accessories: <ul style="list-style-type: none"> ○ 3 set of silicone rubber suction tubing, approx: diam. 10 mm, length 1.5 m. ○ 3 angle connector and combination acetal suction tip. ○ 2 spare valve diaphragms. ○ 2 spare piston O-ring. ○ 2 spare retaining springs.
49.	<p>Nebulizer</p> <ul style="list-style-type: none"> • Should be easy to use and clean. • Should deliver inhaled steroids, antibiotics and all commonly prescribed bronchodilators. • Should have features to respond to breathing pattern, to increase release of drug on inspiration and to decrease the wastage of drug on expiration. • Should have mask with different size (for adult & paediatric). • Flow rate: 6 lpm rising up to 22 lpm on inspiration. • The product should be CE certified. • Additional Accessories: <ul style="list-style-type: none"> ○ 5-Filters. ○ 10 masks (Each Size). ○ 10-Mask & mouthpiece. ○ 5-Replacement mesh. ○ 5- Set Tubing. ○ 2-AC/ DC Adapters. ○ 10 set of Batteries.
50.	<p>Digital Thermometer (measurement of body temperature)</p> <p>Digital thermometer should have</p>

	<ul style="list-style-type: none"> • Celsius scale with switch to Fahrenheit. • Measurement range between: 32°C to 43°C. • Accurate measurement: +/-0.10°C between 32°C to 43°C. • Liquid crystal display, easy to read. • Features to support manual switch on, with beep sound after the temperature is measured and Auto switch off after 10 seconds. • Water proof and easy to clean. • Battery powered. • Low battery indicator. • Certification of safety according CE certified. • Must be safe to use, no glass, no mercury. • Additional Accessories: <ul style="list-style-type: none"> ○ 5x Nickel Cadmium battery.
51.	<p>LED TV- 32"</p> <ul style="list-style-type: none"> • It should be LED type. • It should have 2 USB, 2 HDMI port. • Refresh Rate: 100hz minimum • The successful bidder should install LED TV-32" as wall mount basis or table top (as consignee requirement).
52.	<p>DVD Player</p> <ul style="list-style-type: none"> • Output resolution should be at least 1080p. • Should have USB port to access media.
53.	Pitcher: Capacity of 10-15 litres
54.	2 litre water jar with Lid
55.	Feeding Cup with marking in ml.
56.	Feeding Spoon: should have marking in ml.
57.	Mops
58.	Dry duster
59.	Newborn ID tag
60.	Foleys urinary catheter
61.	Plain urinary catheter
62.	Uro Bag
63.	Child size disposable nasal prongs and Nasal catheters
64.	Adult size disposable nasal prongs and Nasal catheters
65.	Eye pads –Newborn
66.	Feeding tube 5,6,7,8,9,10 fr (5*6 size)
67.	Stamp pad (to get foot print for newborn)

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68.	<p>IV Stand</p> <ul style="list-style-type: none"> • Stainless Steel (S.S.) Tubular pipe frame with S.S. nut. • Heavy duty plastic / S.S. base on five castors (50mm) for stability (Non rusting). • 2 hooks provided made up of SS rod for I.V. fluids. • Thickness of S.S. Tubular pipe 16 Gauge of 1.25" diameter. • S.S. adjustable rod from 135 to 240 cms.
69.	Brass V drape
70.	Stop watch-Digital
71.	S S Kidney Tray- 8"
72.	<p>Stethoscope:</p> <ul style="list-style-type: none"> • Adult size chest piece Precisely Machined to exacting tolerance from surgical stainless steel for outstanding performance and rugged durability. • Extra Large bell for unsurpassed low frequency response. • Ultra - Sensitive Diaphragm for greater amplification. • Colour coordinated Non-Chill bell and Snap on Ring to retain diaphragm for patient comfort. • Deluxe PVC ear tips for the ultimate in wearing comfort and acoustic seal. • Spare Diaphragm for patient comfort. • Including ID Tag. • In foam protective packaging to provide safety to stethoscope. • Minimum length should be 60 cms.
73.	<p>BP Apparatus</p> <ul style="list-style-type: none"> • Should be portable mercurial type, stand model. • Should have ISI mark. • Should have ON and OFF provision for mercury reservoir. • Should have a measuring range from 0 to 300 mmHg. • Should be provided with adult arm cuffs of size medium & large and paediatric cuff, • The control valve should have a knurled thumb control device. The leak rate should not exceed 10 mm of mercury per minute. • The manometer scale markings and graduations should be engraved or etched and filled with pigments and it should meet the requirements of boil test. • The internal diameter of the manometer glass tube should be 4.1 ± 0.1 mm and the thickness not less than 2 mm. • Plastic parts, if any used should not crack, flake, peel or disintegrate in normal use. • The inflating rubber bag should be capable of withstanding an internal pressure of 450 mmHg without leaking. • The inflating bulb should be soft and should not have any joints or ridges.

	<ul style="list-style-type: none"> • The mercury used should be clean, double distilled and of 99.9% purity. • The fastening arrangements of the cuff should be of hook and loop type (Velcro) • The threading and fastening arrangement of the cuff should show no sign of slip or failure when subjected to the maximum conditions. • The rubber tubes used should have an internal diameter of 3 ± 0.5 mm and the external diameter should not be less than 8mm. • The housing case should be of robust design. It should have press to release lock. It should have metal hinges. The tube should be secured with metal screws and clamps. It should have mechanism to hold the lid in right angles and should prevent accidental dropping. All parts should be replaceable in case of breakage. • A cleaning brush to clean the manometer tube and a set of spare washers may be provided with each unit. • Should be mounted on good quality wheels. • The stand body shall be made of mild steel and powder coated.
74.	<p>Adult weighing Scale:</p> <ul style="list-style-type: none"> • It should be measure up to 125kg or more.
75.	<p>Labour table with foam mattress-stainless steel</p> <ul style="list-style-type: none"> • Should have a SS table top with all edges smoothly finished • Should have a dimension of L 180 X W 70 X H 80 cm • Should have a drainage hole of diameter 12cm-basin type and collecting tray of stainless steel. • The U cut should have a diameter of 35 cm. • Should provide with a detachable saline stand having a provision for fixing fourpositions (Head end and middle position) on the cot. • Base should be mounted on four heavy duty rubber shoes. • Foam mattress should be up to Density 40
76.	<p>Crash Cart:</p> <ul style="list-style-type: none"> • Six removable bins & S.S. Frame, two polystyrene storage unit with three drawers, each can be locked. • Fitted with 125 mm castors (two with break) complete with corner buffers. • Oxygen Cylinder cage/holder, Electric Lamp. • I.V Rod, Cardiac Massage Board & three laminated shelves (SS) • Pre-treated & epoxy powder coated. • Overall approx size: 940 mm (L) X 490 mm (W) X 153 mm (H) - (Tolerance $\pm 5\%$) made of 20G sheet and 16G Pipe of dia. 1".

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77.	<p>Colored coded spring balance infant weighing scale:</p> <ul style="list-style-type: none"> • Hanging Type. • Nylon 66 casing with zero adjustment suspension ring with grip handle and load hook. • Calibrated to weigh 0-5 Kgs in 100 gms. Gradation with tri colour coding. • The Baby Spring Balance should be supplied with a parachute material double stitched tear resistance sling for new born babies. • Length of the scale should be 12 cm to 17.5 cm. • The Baby Weighing Scale Model should be approved by Weight and Measures Department and relevant certificate should be submitted. • Each baby weighing scale (spring balance) should be stamped and verified by the Weight and Measures Department. • Should be guaranteed for one year.
78.	Delivery gown (Full Hand)

(3) General technical specifications desired for all Mannequins

- The color of the mannequin should be in Caucasian simulating Indian babies/adult in medium skin tones.
- The material of the mannequin should be of polyvinyl and silicon rubber free from any carcinogenic agents.
- The texture of the mannequin should be soft and smooth and close to the feel of baby/adult skin as relevant. The texture must be friction free to demonstrate the desired procedure.
- The internal parts of mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
- The mannequins must be portable and any fittings used in mannequins must be of aluminium or polycarbonate or equivalent.
- The mannequin's durability must be of minimum 3 years.
- The material of the mannequin should withstand extremes of temperature (up to 45 degree Celsius).
- The supplier must ensure manufacturer's guarantee against for the specification and also manufacturing defects.
- The manufacturing units must have an internal system of quality control and supplier should produce the process and certificate from the manufacturers.
- The supplier will be responsible for service, maintenance, replacement, etc. against any complaints up to the satisfactions of the users Irrespective of the location of manufacturing unit.
- The Lead time must not be more than 6 weeks after confirmation of written supply order.

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- The supplier must ensure the availability of on- call service agent from state headquarters within 48 hours, from local within 24 hours from outside state within 7 days and in case the problem is not rectified on site at the time of service then it need to be rectified within next 7 days for minor defects and within 28 days for major defects.
- The guarantee for mannequins must be three years from the date of successfully installation at consignees address.
- All mannequins should include a soft/Hard Carrying Case and study questions, Dos and Don'ts, instructions manual, maintenance guide, background information, videotape for demonstrating the use of mannequin, User manual with troubleshooting guidance, technical manual with maintenance and first line technical intervention instructions and any other relevant teaching/training materials in English.
- The mannequins should have additional accessories as listed and also talcum powder or silicone gel to avoid friction, list of accessories and spare parts with cost and contact details of its supplier preferably within State.
- The bidder should submit the list of technical service providers in India with their name, address and contact number.
- The payment of the mannequins linked with installation at consignee address, demonstration to service providers at consignee address and certification of installation and functionality by the head of the concerned department.

1. Adult Female Pelvis

The model should allow demonstration of progress of the fetal head through the pelvis as during labor.

- It should be in skeleton mode and be made up of PVC or fiber with a movable symphysis, hip bone sacrum, coccyx and last two lumbar vertebrae articulated.
- Pelvis should accommodate fetal head as in birth.
- It should have landmarks to differentiate true and false pelvis including inlet, cavity and outlet.

2. Fetal Skull

It should be made up of PVC/Fiber and of 38 weeks gestation skull sized.

- Fetal Skull should be mounted on an Omni-positioning flexible gooseneck support.
- It should have markings of sutures and fontanelles.
- It should have prominent landmarks for measurements of different diameters: biparietal, bitemporal, bimastoid, suboccipito-bregmatic, suboccipito-frontal, occipito-frontal, mento vertical, submento vertical and submento bregmatic.

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Theme 1: Antenatal Care

Skill station: Antenatal abdominal palpation and auscultation of fetal heart sound

1. Human Fetus Replicas

Features:

- Human fetus replicas should be very close to real.
- Human fetus replicas should have actual size showing external development and growth of the fetus for corresponding gestational age.
- Human fetus replica should be available to represent different gestation period-5 th and 7th month.
- Human fetus replicas should have features, color and skin texture to simulating Indian babies.
- Human fetus replicas should be feasible for teaching external development and growth of the fetus.
- Human fetus replicas should be flexible enough to fit inside the abdominal palpation mannequin while demonstrating the Leopold makeover during pregnancy.

2. Abdominal Palpation Mannequin for Leopold manoeuvres during pregnancy

Features:

- The abdominal palpation mannequin should have full size adult female lower torso (abdomen and pelvis).
- The abdominal palpation mannequin should have a one-piece full term fetus with palpable Fontanelles, spine, shoulders, elbows, and knees.
- The abdominal palpation mannequin should have upper and lower inflatable cushions with independent inflating devices in the abdominal part of the mannequin.
 - Lower cushion when Inflated should raise the fetus to desired position.
 - Upper cushion when inflated should create a firm abdomen as in the ninth month of pregnancy.
- The abdominal mannequin should be able accommodate the fetus in vertex, breech, or transverse.
- The abdominal mannequin should have the facility to accommodate the fetus of different gestational age, demonstrate vertex / Breech / transverse position delivery, and attach the perineum to demonstrate the episiotomy repair.

3. Dictaphone: Technical Specification described in Equipments & Instruments

Theme 2: Infection Prevention

Skill station: Sterilization

Autoclave: Technical Specification described in Equipments & Instruments.

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Theme 3: Family Planning

Skill Station:

1. Interval IUCD.
2. Postpartum IUCD.

1. Hand Held Uterus Mannequin

- Hand held uterus model should show coronal section of uterus, ovaries and fimbriae.
- Hand held uterus model should have a clear plastic window permitting easy view of IUD
- Hand held uterus model should permit easy demo of inserting and removing of IUD.
- Hand held uterus model should be Made of PVC.

2. Female Lower Torso Mannequin with normal and Postpartum Uterus and Accessories

- Should have full size adult female lower torso (abdomen and pelvis) with relevant internal landmarks.
- Should have palpable normal and pregnant uteri with realistically sculpted and anatomically accurate ovaries and fimbriae.
- Should have accessories to enhance visual recognition of normal and abnormal cervix.
- Should have removable introits.
- Should have "screw" design between Uterus and Cervix for fast and easy change-out.
- Should be suitable for teaching/practicing bi-manual pelvic examination
- Should be suitable for vaginal examination, including insertion of speculum, uterine sounding and IUD insertion and removal.
- Should have distal end of vagina to facilitate introduction of a female condom
- Should have features to demonstrate Minilaparotomy (both interval and postpartum tubal occlusion), Manual vacuum aspiration (MVA), visual recognition of normal and abnormal cervixes, 48 hours postpartum fundal massage.
- Additional Accessories:
 - One anteverted uterus.
 - One extroverted parlous uterus.
 - Five normal cervixes.
 - Four abnormal cervixes.
 - Ten fallopian tubes.
 - 2 x 48 hour postpartum uterus with 'duckbill' cervix and fallopian tubes.
 - 2 Extra locking pins and thin cervical locking ring.

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Theme 4: Intranatal Care

Skill station:

1. Pelvic examination includes cervical dilatation and pelvic assessment.
 2. Normal Delivery.
 3. AMTSL & Checking placenta.
 4. Initial dose of MgSO₄ for severe pre-eclampsia / eclampsia management. yet to decide of having models.
 5. Episiotomy repair.
 6. Initial Management of atonic PPH.
 7. Complicated delivery (Twin, breech, shoulder dystocia, ventose and Forceps)
3. Child Birth Simulator along with Attachment for Cervical Dilatation (closed os, 4 cm, 6cm, 8cm, fully dilated cervix)

Features:-

- Should have hemi pelvis of adult female with anatomical landmarks like pelvic cavity, spine etc. Should have manual mechanical birthing system to enable the user to control the rotation and speed of fetus delivery etc.
- Should have articulating fetal baby with adaptors to fit with manual birthing system.
- Should be versatile to change the position of the fetus during the process of birth including descend, flexion, extension, internal and external rotation, restitution.
- Should have features for training normal and breech deliveries.
- Should have Inflatable cushions to lift fetus for Leopold manoeuvre during pregnancy.
- Shall have adaptive birth canal to demonstrate dystocia and deal with its relief.
- Should have features to demonstrate cord prolapsed.
- Shall allow demonstration and practice of placenta previa.
- Should have cervical dilatation attachment for closed Os, 4 cm, 6 cm, 8 cm and fully dilated cervix.
- Should have features simulating represent conditions of the cervix and vagina prior to labor, during labor and at birth in a prim gravid woman.
- **Additional Accessories:**
 - One detachable padded stomach cover.
 - ~~Detachable Manual-mechanical birthing system with mounting flange.~~
 - One fully articulating fetal baby with adaptors to fit with manual birthing system.
 - One elevating cushion for Leopold maneuvers.
 - 6 detachable dilating cervices
 - 6 detachable Vulva
 - 9 vulvar inserts
 - 6 placentas
 - 9 umbilical cords

- One 48 hour postpartum uterine activity assembly
- One postpartum perineal insert
- Reusable episiotomy repair module (set of 3 including medial tears, mediolateral tears and standard mediolateral episiotomy)
- 2 sets cervical dilatation attachment for closed Os, 4 cm, 6 cm, 8 cm and fully dilated cervix.

1. Postpartum Suturing Trainer

- Should enable use of standard needle holder with "00" or "000" chromic sutures.
- Should have three separate modules for episiotomy.
- Should have one model featuring medial episiotomy with tears in labia-minora.
- Should have one model featuring mediolateral episiotomy with peri-urethral tears.
- Should have one model featuring standard episiotomy.
- Should have features to attach with child birth simulator.
- **Additional accessories:**
 - 3 nos. of medial episiotomy model with tears in labia-minora.
 - 3 nos. of mediolateral episiotomy model with peri-urethral tears.
 - 3 nos. of mediolateral episiotomy model.

2. Mannequin for Simulation and Management of PPH:

- The mannequin should be highly realistic for simulating postpartum haemorrhage.
- The mannequin should have features to manually control the amount of bleeding and the conditions of uterus.
- The mannequin should have features to control dilation of the cervix.
- **The mannequin should have the following.**
 - Full term fetus with placenta and umbilical cord.
 - Blood concentrate.
 - Fluid collection tray.
 - Fluid drain.
 - Urine catheter.
 - 20 ml syringe.
 - Carrying bag.
- **The mannequin should have features for training the Following.**
 - Urine catheterization.
 - Normal delivery.
 - Complete and Incomplete placenta delivery.
 - Oxytocin injection.
 - Controlled cord traction.

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- Bimanual compression of uterus.

3. Intramuscular Injection Training Mannequin

- Intramuscular injection training mannequin should have a Life like human lower torso with intramuscular injection site in upper outer quadrant of palpable glottal region on both side (left and right).
- Intramuscular injection training mannequin should have facility such way to detach the upper portion and teach the an atomically details of posterior side of the simulator illustrating deep anatomic structure of the head of femur, the shaft of femur, the sciatic nerve, deep layers of muscles, major blood vessels and as pact of bony pelvis underlying the gluteus muscles at any one side by hand painted or moulded as relevant.
- Intramuscular injection training mannequin should have Intramuscular injection in ventro-gluteal site below iliac crest on both side (left and right).
- Intramuscular injection training mannequin should have Intramuscular injection in lateral thigh at any one side.

Theme 5: Complication Management

Skill Station:

1. BCA approach.
2. Management of Shock (JV catheterization and Urinary cauterization).

1. Adult CPR Mannequin

- Adult CPR mannequin should have features to demonstrate opening of air way, head tilt/ chin lift and/ or jaw thrust techniques.
- Adult CPR mannequin should have disposable air ways.
- Adult CPR mannequin should have removable, reusable faces.
- Adult CPR mannequin should have a "clicker" which confirms correct compression depth.
- Adult CPR mannequin should have compression spring for consistent resistance.
- Adult CPR mannequin should have weight: 3.9 kg and H x W x D: 25 in x 8.5 in x 13.5 in.
- **Additional Accessories:**
 - 6 Reusable manikin Faces.
 - 6 Air ways.
 - 50 Manikin Wipes.

2. Adult IV Training arm kit

- Adult IV training arm should have full adult arm with simulated clenched fist and tourniquet position.
- Adult IV training arm should be suitable for practicing IV injections.
- Adult IV training arm should have prominent venous net work.
- Adult JV training arm should have anatomically located venous grooves, fitted with soft latex tubes, closely simulating consistency of human veins.

- Adult IV training arm must have a pliable translucent latex skin stretched over venous network.
- Adult IV training arm should have simulated cephalic, basic, antecubital, radial, and ulnar veins.
- Adult IV training arm should have veins in dorsum of hand.
- Adult IV training arm should feature Realistic "pop" as needle enters vein.
- Adult IV training arm must have as mocked Lucite base with metal stand.
- Adult IV training arm veins and skin must be replaceable.
- **Additional Accessories:**
 - 4 Set of kit with simulated blood consent rate, pressure bulb, blood dispensing bag.
 - 4 sets of Spare arm skin for future replacement.

3. FemaleCatheterizationMannequin

- Female catheterization mannequin should have adult female lower torso with realistic vulval area and urethral opening.
- Female catheterization mannequin must have internal bladder reservoir for standard catheterization exercises.
- Female catheterization mannequin should have external reservoir bladder mounted on smoked Lucite with metal stand.
- Female catheterization mannequin should have modular urethral valve to prevent fluid leakage.
- Female catheterization mannequin should have inflatable internal bag to lift the bladder anteriorly.
- Female catheterization mannequin should have detachable upper skin to show bladder, inflatable bag and foam.
- Female catheterization mannequin should show connection to bladder, vagina with locking ring and rectum
- Female catheterization mannequin should have removable urinary assembly.
- **Additional Accessories:**
 - 6 spare bladder tanks.
 - 6 two Urethra inserts.

Theme 6: Essential New born care

Skill Stations:

1. Essential New Born care.
2. New Born resuscitation.
3. KMC
4. Measurement of Body Temperature-newborn.
5. Radiant Warmer.
6. Use of Suction machine.

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7. Setting up an IV line on child arm.
8. Inserting NG Tube.
9. Phototherapy.
10. Glucometer.
11. Oxygen administration.
12. Nebulization and Multidose inhaler.

1. Essential New Born care & Resuscitation Mannequin

- The New born mannequin should be realistic in size and appearance and also natural weight, feel and touch.
- New born mannequin should have features for training essential new born care (ENBC) and new born resuscitation.
- New born mannequin should facilitate effective bag and mask ventilation, chest rise only with correct technique.
- The new born mannequin should include the following:
 - Squeeze bulbs for simulation of cord pulsation, spontaneous breathing, auscultation of heart sound and cry.
 - 4 External umbilical cords and 6 umbilical ties
 - 4 baby sheets or towels.
 - 2 Head cap.
 - 2 Neonatal mucus sucker (easy to open, clean, autoclavable and reusable)
 - 2 Training Stethoscopes.

2. Normal New Born Baby Mannequins (KMC)

- New born mannequin should weigh close to normal new born (2.5-3.5 kgs).
- New born mannequin should have actual size showing external development and growth.
- New born mannequin should be close to normal skin colour, texture and bony feel.
- New born mannequin should have moving head, flexible upper and lower limbs.

3. Digital Thermometer (measurement of body temperature): Technical Specification described in Equipments & Instruments

4. Radiant Warmer: Technical Specification described in Equipments & Instruments

5. Electrical Suction Machine: Technical Specification described in Equipments & Instruments

6. Foot-Operated Suction Machine: Technical Specification described in Equipments & Instruments

7. Pediatric multi venous training arm kit

- Should have paediatric arm.
- Should have replacement Skin and multi-vein system.
- Should have simulated Blood pack.
- Should have blood Bag with tubing and connector.
- Should have clamp and hook.

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- Should have 5 Syringes.
 - Should have Manikin Lubricant.
 - **Additional Accessories:**
 - 5-replacement skin.
 - S-multi-vein system.
 - 3-simulated blood pack.
 - 3-blood bag with tubing and connector.
 - 3-lubricant.
8. NGTubeInsertionMannequin:
 - Should look like 0-8 week sold and Caucasian colour (Dr, Anand-for age).
 - Should have soft and flexible and replace able face skin and upper body skin.
 - Should offer NG exercises to demonstrate tube feeding and gastric suction.
 - Placing NP/OP tubes must be possible.
 - Should have landmark for ear canal.
 - Should have removable internal.
 9. Phototherapy Unit: Technical Specification described in Equipments & Instruments
 10. Glucometer: Technical Specification described in Equipments & Instruments
 11. Oxygen Administration (Oxygen Concentrator): Technical Specification described in Equipments & Instruments
 12. Oxygen Administration (Oxygen Hood): Technical Specification described in Equipments & Instruments
 13. Nebulizer: Technical Specification described in Equipments & Instruments
 14. Multi DoseInhaler with Spacer: Technical Specification described in Equipments & Instruments.

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(4) Technical specification of Models and Charts

All Charts must have rigid lamination on 12mm Board with Aluminum frame Models:

- Embryology set model - Model consists of 10 parts and shows the relationship between fetus and uterus during gestation period. Various models representing different gestation months included in the model are as below.

Part No.	Gestation month	Appearance/height of fetus
1st	Normal uterus	inner genitals
2nd	First	Placenta is shown
3rd	Second	Embryo looks like human
4th	third	Fetus is about 9 cms
5th	fourth	Fetus is about 16 cms
6th	fifth	Fetus is about 25 cms
7th	sixth	Fetus is about 30cms
8th	seventh	Fetus is about 35cms
9th	eighth	Fetus is about 40cms
10th	ninth	Fetus is about 45cms

- Female pelvic section with baby model - Full size adult female pelvis made of fibre glass and hand painted with relevant anatomical landmarks and a cloth/latex fetal doll with head made of fibre glass.
- Female Reproductive system - Superior quality Model made of advanced PVC. Dissectible into a number of parts and mounted on a stand. Shows internal and external female genital organs.

1	Male Reproductive System Chart-51x66 cms size
2	Female reproductive system Chart- 51x66 cms size
3	Fetal Development / Embryology Development Chart- 70x100cms size
4	Stages of Labour (1,2 & 3) Chart- 70 x 100cms size
5	Pregnancy & Birth Chart-70 x 100cms size
6	Mechanism of Labor Chart- 70x 100cms size
7	Embryology Set - Model
8	Female Pelvic Section-with Baby - Model
9	Model Female Reproductive System - Model
10	BP / CR Flip book for counseling
11	Flip book-FP counseling

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12	SBA Posters (16) VENYL, 24 X 36", GUMMING ON BACKSIDE
13	IMNCI-Chart(12posters) The size of the chart must be of size:24x36", must have PVC pipe on top and bottom and thread to hang the poster
14	Enlarged partograph (WHO, Simplified Partograph, as in SBA Guideline) on white board-Size 24 x 36"
15	<p>FP Counselling kit (bag)</p> <ul style="list-style-type: none"> • Material of the folder kit : Jute or Tetron • Foldersize:10"x14" <p>The inner right side of the kit should display the oral pills, IUCD, condom, ECP and printed messages on Permanent contraceptive methods under laminated transparent plastic sheet. The inner left side of the kit should have a pocket to hold the templates of FP IEC and the space in middle should be adequate enough to accommodate the FP counselling Flip book.</p> <ul style="list-style-type: none"> • The outer back side of the kit to have small Ipocket of 8"x11"size and should be adequate enough to accommodate the handheld uterine and penile model. • The kit folder should have a zip facility to open /close the kit
16	Loose contraceptive samples (Mala-D,ECP,Mala-N,Condoms,Depo-Provera)Free Sample scan be obtained from the Govt.
	<ul style="list-style-type: none"> • MCPcard • Labourroomregister • Casesheet • Partograph • Referral-in/referral out registers/referral slip • Discharge slip • MD Rreporting
17	<ul style="list-style-type: none"> • Line listing Severe Anaemia • Village wise register

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	<ul style="list-style-type: none"> • Due list / VHND plans • MTP format • Eligible Couple register • IUCD insertion / follow up register and monthly reporting format (Note : The item listed in S.N 17 should be as per state Government recommendation)
18	EDD and gestational age calculation Wheel
19	MECwheel

- **Guarantee:** Guarantee should be Two years on Models and six months on Charts & learning materials from the date of successful installation at consignee place.

5	<p><u>Other Terms & Conditions for all items:-</u></p> <ol style="list-style-type: none"> 1. Bidder/Supplier should have ISO 9001 certificate. 2. Bidder/Supplier should provide the list of Service Centers in Rajasthan in Technical Bid. 3. Installation of each item will be done by Bidder/Supplier free of cost at consignee place. 4. In past, Bidder should have established at least one skill lab at any state in India and submit satisfactory report in technical bid. 5. Demonstration compulsory for final technical approval. Demonstration should be done by Technical Committee members at pre-established one Skill lab . 6. Training session should be organized four times in a year during guarantee period of mannequins by bidder/supplier for all items at consignee place. Training schedule attached at 'annexure A'. 7. The bidder/supplier must ensure the availability of on- call service agent from state Service Centre within 48 hours, from local within 24 hours from outside state within 4 days and in case the problem is not rectified on site at the time of service then it need to be rectified within next 3 days for minor defects and within 7 days for major defects.
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Annexure-A

SKILLS LAB INDUCTION TRAINING

Draft Agenda for Two Day Orientation after Set up of Pre Service Skills Lab

Day 1	
Topic	Description
Session 1 (2hrs)	
Introduction to the skills lab	General Introduction through presentation covering the layout of skills lab with setup of skills stations including mannequins, equipment and supplies(<i>participants will then be taken through each station</i>)
Session 2 (1.5 hrs)	
Managing Skills Lab	Briefing on : <ol style="list-style-type: none"> 1. Effective usage and maintenance of skills lab. 2. Handling of models, mannequins, equipment and supplies: Briefing on accessories/accompaniments of mannequins, Use of instruction/technical manual & troubleshooting, Do's and Don'ts. 3. Guarantee / Warranty provisions and AMC 4. Safety and security of skills lab
Session 3 (3.5hrs)	
Clinical Skill demonstration (on each Skills Station)	Clinical demonstrations: <ol style="list-style-type: none"> 1. Demo to participants through videos 2. Clinical skill demonstration on mannequin by trainers
Day 2	
Session 4 : Practice by Participants (4hrs)	<ol style="list-style-type: none"> 1. Return-demonstrations and practice by participants 2. Addressing the queries
Session 5 : Local planning for Skills Lab operations(3 hrs)	<ol style="list-style-type: none"> 1. Development of the time-table with the principal and faculty 2. Roles and responsibilities : Skills lab in-charge & other faculty 3. Discussion on student and peer learning activities for faculties in skills lab 4. Performance Indicators of skills lab utilization 5. Record maintenance and review

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(1) LIST OF CONSUMABLES

Sr No.	Items	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Lancets	3200	1400	200	4800
2.	Gauze(1pkt)	160	70	5	235
3.	Cottonroll(500Gm)	320	140	10	470
4.	Spirit(100ml/Bottle)*	320	140	10	470
5.	Povidone Iodine(100mlBottle)*	64	28	2	94
6.	Distilled Water*(1litre/Bottle)	640	280	20	940
7.	N/10HCl*(2/5litre/Bottle)	128	56	4	188
8.	Dropper	320	140	10	470
9.	Hb Colorstrips (Ifavailableinstatopractice)	320	140	10	470
10.	Uristix*(100strips/box)	64	28	2	94
11.	Pregnancy Detection Kits*	1280	560	40	1880
12.	RDT Test Packet*	1280	560	40	1880
13.	Test Tube(10/15ml)	1600	700	50	2350
14.	Match Box	640	280	20	940
15.	Benedict Solution (100ml/Bottle)*	320	140	10	470
16.	Acetic Acid(100ml/Bottle)*	320	140	10	470
17.	IUCD	640	280	20	940
18.	Intravenous Cannula size16 (2 and 3 way)	320	140	10	470
19.	Intravenous Cannula size 18 (2 and 3 way)	320	140	10	470

20.	Intravenous Cannulasize 20 (2 and 3 way)	320	140	10	470
21.	Intravenous Cannula size 24 (2 and 3 way)	320	140	10	470
22.	IV Sets	640	280	20	940
23.	IV Fluids(Ringerlactate/NormalSaline)	640	280	20	940
24.	Inj. Oxytocin10IU*	640	280	20	940
25.	Syringes 2ml,(boxof25)	64	28	2	94
26.	Syringes 5ml,(boxof25)	64	28	2	94
27.	Syringes 10ml,(boxof25)	64	28	2	94
28.	Syringes 20ml,(boxof25)	64	28	2	94
29.	Needles 22 Gauze	1600	700	50	2350
30.	Inj.Mgso4 50%(2ml/ampoule)	1280	560	40	1880
31.	Adhesive Tape(Roll)	320	140	10	470
32.	Nappy(30pcs/pkt)	32	14	1	47
33.	Mounted Catgut with Round Body Needle*	800	350	25	1175
34.	2% Xylocaine(25ml/Bottle)*	0	56	4	60
35.	Salbutamol MDI with Spacer	0	70	5	75
36.	Salbutamol Respules*	0	280	20	300
37.	ORS packets*	320	140	10	470

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(2) LIST OF FURNITURES

Sr No.	Items	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Stool	320	140	10	470
2.	StudyChair-Iron/Steel	480	210	15	705
3.	Table-2ftX4ft-wooden	320	140	10	470
4.	WhiteBoardMarkerPens1box(red,black,green,bluecolors2*4colors)	256	112	8	376
5.	FlipCharts Stand	64	28	2	94
6.	WhiteBoard	32	14	1	47
7.	Tripod Standfor Whiteboard	32	14	1	47
8.	Almirah (Large)	192	84	6	282
9.	Library Cabinet (Steel) with Glass Door	32	14	1	47

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(3) LIST OF INFECTION PREVENTION ARTICLES

Sr No.	Items	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	SterileGloves6.5(25Pairs/Box)*	640	280	20	940
2.	SterileGloves7(25Pairs/Box)*	640	280	20	940
3.	ExaminationGlovesMediumSize(100/Box)	640	280	20	940
4.	ExaminationGlovesLargeSize(100/Box)	640	280	20	940
5.	PlasticAprons	800	350	25	1175
6.	Caps-disposable(100/pack)	480	210	15	705
7.	Mask(100/pack)-Disposable	480	210	15	705
8.	Shoecover(1pair)-Disposable	3200	1400	100	4700
9.	Anti splash Goggles	160	70	10	240
10.	1literplasticmug with marking in ml.	160	70	10	240
11.	Utilitygloves Large-rubber	320	140	20	480
12.	MediumsizeplasticBowl(tomake bleachingpaste)	320	140	10	470
13.	Wooden/plasticstirrer(Longwooden-plasticscale)	320	140	10	470
14.	Boiler10"x6"x4"	32	14	1	47
15.	ElectricStove/InductionStove	32	14	1	47
16.	SSorAluminumBigDrum(sizetoaccommodateoneSStraywithinstruments)withLidtodemonstrateHLD	64	28	2	94

17.	Softbrush	320	140	10	470
18.	Detergentpowder/liquid(1Kg/Pkt)	64	28	2	94
19.	SmallSizecolorcodedFootoperatedbins(Yellow)	128	56	4	188
20.	SmallSizecolorcodedFootoperatedbins(Red)	128	56	4	188
21.	SmallSizecolorcodedFootoperatedbins(Black)	128	56	4	188
22.	SmallSizecolorcodedFootoperatedbins(blue)	128	56	4	188
23.	0.5%chlorinesolutioninaplasticcontainer/Tubinnerwidth3ftindiameterheight2ft)	160	70	10	240
24.	AirtightplasticcontainertostoreBleachingpowder/Detergent	160	70	5	235
25.	Plasticmeasuringspoon(15gms,30gms,45gms,60gmsand75gms)4ineachsize	640	280	20	940

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(4) LIST OF EQUIPMENTS - Section 1

Sr No.	Name of Equipments	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Functional focus lamp with 2 spare bulbs	64	28	2	94
2.	Oxygen cylinder with opener	32	14	1	47
3.	Autoclave - small size portable with small size drum-02nos.	32	14	1	47
4.	Oxygen Concentrator	0	14	1	15
5.	Pulse oximeter with probe	0	14	1	15
6.	Labour table with foam mattress-stainless steel	64	28	2	94
7.	Phototherapy Unit	0	14	1	15
8.	Radiant Warmer	32	14	1	47
9.	Electrical Suction Machine	32	14	1	47
10.	Foot Operated Suction Machine	32	14	1	47
11.	Nebulizer	0	14	1	15

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(4) LIST OF EQUIPMENTS - Section 2

Sr No.	Name of Equipments	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Glucometer kit	64	28	2	94
2.	Dictaphone	32	14	1	47
3.	LED TV- 32"	0	0	1	1
4.	DVD Player	0	0	1	1
5.	BP Apparatus	128	56	4	188
6.	Stethoscope	128	56	4	188

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(5) LIST OF INSTRUMENTS – Section 1

Sr No	Name of Instruments	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Delivery trolley	64	28	2	94
2.	Infant weighing scale	32	14	1	47
3.	Small S.S. steel bowl with lid	640	280	20	940
4.	SS tray Big-12"x11" with lid	480	210	15	705
5.	SIMS/Cuscus speculum	64	28	2	94
6.	Mayo's scissor (curved)-10"	64	28	2	94
7.	Vulsulum / Tenaculum	64	28	2	94
8.	Uterine sound	64	28	2	94
9.	Anterior vaginal wall retractor	64	28	2	94
10.	Sponge holder	64	28	2	94
11.	Chattel forceps with SS bottle / Narrow Mouth Container	128	56	4	188
12.	Cord clamp	640	280	20	940
13.	Scissors—straight-8"	192	84	7	283
14.	Artery Forceps 10"	384	168	12	564
15.	Needle holder	0	28	2	30
16.	Toothed Dissecting forceps	0	28	2	30
17.	Plain Dissecting forceps	0	28	2	30
18.	Episiotomy scissor	0	28	2	30
19.	Small artery forceps	0	28	2	30
20.	Kellys / PP IUCD forceps	0	28	2	30
21.	Crash Cart	32	14	1	15
22.	S S Kidney Tray 8"	640	280	20	940

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(5) LIST OF INSTRUMENTS – Section 2

Sr No	Name of Instruments	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Measuring tape	128	56	4	188
2.	Watch with seconds hand	64	28	2	94
3.	Sahli's haemoglobinometer	128	56	4	188
4.	Puncture proof Container	160	70	5	235
5.	Specimen collection bottles - Plastic	3200	1400	50	4650
6.	Hub Cutter	128	56	4	188
7.	Test Tube Holder	640	280	20	940
8.	Plastic Trays	320	140	10	470
9.	Oxygen hood	32	14	2	48
10.	Infantometer	32	14	1	47
11.	Functional bag and mask with two sizes masks (0and1)	128	56	4	188
12.	Dee Lees Mucous extractor / Penguin mucus sucker	160	70	5	235
13.	Metered dose Inhaler with Spacer	0	14	1	15
14.	Tourniquet	320	140	5	465
15.	Kelly's pad	128	56	4	188
16.	Pitcher (Capacity of 10-15 litres)	64	28	4	96
17.	2 litre water jar with Lid	128	56	4	188
18.	Feeding Cup	128	56	4	188

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19.	Feeding Spoon	128	56	4	188
20.	Mops	128	56	4	188
21.	Dry duster	800	350	25	1175
22.	Newborn ID tag	64	28	2	94
23.	Eye pads –Newborn	0	28	2	30
24.	Stamp pad (to keep papers for writing)	320	140	10	470
25.	Brass V drape	64	28	10	102
26.	Stop watch	64	28	2	94
27.	Adult weighing Scale	64	28	2	94
28.	Digital Thermometer (measurement of body temperature)	320	140	10	470
29.	Colored coded spring balance infant weighing scale	32	14	1	47
30.	Delivery gown (Half/Full Hand)	64	28	2	94
31.	Spiritlamp	640	280	20	940
32.	Foleys urinary catheter	800	350	25	1175
33.	Plain urinary catheter	800	350	25	1175
34.	Uro Bag	800	350	25	1175
35.	Child size disposable nasal prongs and Nasal catheters	640	280	20	940
36.	Adult size disposable nasal prongs and Nasal catheters	640	280	20	940
37.	Feeding tube 5,6,7,8,9,10 fr (5*6 size)	0	420	30	450
38.	IV Stand	160	70	5	235
39.	Foot rest(1-2feetheight)Wooden	64	28	2	94

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(6) LIST OF MANNEQUINS

Sr No.	Name of mannequins	Required quantity in ANM School skill lab (in no.)	Required quantity in GNM School skill lab (in no)	Required quantity in SNC School skill lab (in no)	Total Quantity (in no)
1.	Abdominal Palpation Mannequin during pregnancy	64	28	2	94
2.	Child Birth Simulator	64	28	4	96
3.	Mode with normal uterus and accessories and also with postpartum uterus attachment	64	28	2	94
4.	Cervical dilatation attachment (Closed Os, 4 cm,6 cm, 8cm and fully dilated)	64	28	2	94
5.	Adult IV arm training kit	64	28	2	94
6.	Female catheterization mannequin	64	28	2	94
7.	Adult Intramuscular Injection Training Mannequin	64	28	2	94
8.	Fetal skull.	160	70	5	235
9.	Adult female pelvis	160	70	5	235
10.	Newborn baby doll without clothes	64	28	2	94
11.	Essential Newborn care and Resuscitation Mannequin	64	28	4	96
12.	Mannequin for simulation and Management of PPH	128	56	4	188
13.	Human Fetus Replicas (5 month and 7 month)	64	28	2	94
14.	Postpartum Suturing Trainer	0	28	2	30
15.	NG tube trainer (Ped)	0	28	2	30
16.	Pediatric multi venous training arm kit	0	28	2	30
17.	Adult CPR mannequin	0	14	1	15

(7) LIST OF MODEL, CHARTS and LEARNING MATERIAL

Sr No	Items	Required quantity in ANM School skill lab (In no.)	Required quantity in GNM School skill lab (In no.)	Required quantity in SNC School skill lab (In no.)	Total quantity (In no.)
1.	Fetal Development / Embryology Development	32	14	1	47
2.	Embryology Set Model	32	14	1	47
3.	Stages of Labor--framed charts	96	42	3	141
4.	Male Reproductive System – framed Chart	32	14	1	47
5.	Female reproductive system – framed chart	32	14	1	47
6.	Pregnancy & Birth-framed Chart	32	14	1	47
7.	BP / CR Flipbook	32	14	1	47
8.	Model Female Pelvic Section with Baby	32	14	1	47
9.	Model Female Reproductive System	32	14	1	47
10.	Model first stage of labor	32	14	1	47
11.	Hand held uterus model	64	28	2	94
12.	Penile Model	64	28	2	94
13.	SBA Posters (16 posters)	512	224	16	752
14.	(i) MCP card (ii) Labour room register (iii) Referral-in / referral out registers/ referral slip (iv) Discharge slip (v) MDR reporting (vi) Line listing Severe Anaemia (vii) Village wise register (viii) Due list/VHND plans (ix) MTP format	416	182	13	611

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	(x) Eligible Couple register (xi) IUCD insertion/ follow up register (xii) Monthly reporting format & (i) Partograph-Printing Cost with material				
15.	FP Counseling kit(Bag making cost with material)	320	140	10	470
16.	Flipbook-FP counseling (Printing Cost with material)	320	140	10	470
17.	(EDD and gestational age calculation) Wheel (Printing Cost with material)	640	280	20	940
18.	MEC wheel (Printing Cost with material)	640	280	20	940
19.	SBA Hand Book-Gol (Printing Cost with material)	1280	560	40	1880
20.	SBA-Guidelines, Gol (Printing Cost with material)	1280	560	40	1880
21.	Loose contraceptive samples (Mala-D,ECP,Mala-N,Condoms,Depo-Provera)Free Samples can be obtained from the Govt.	32	14	1	47
22.	Enlarged partograph on white board	32	14	1	47

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Bidder Qualification criteria

1. The bidder should be Manufacturer/ Direct Importer (import from single foreign principal manufacturer) for 50% or more of the core Item Mannequins specified in Bid and for remaining 50% Mannequins, the bidder should enter into consortium with other manufacturer/ direct importer. E-Commerce or other foreign company mediation with bidder would not be allowed in this bid.
2. For other items , the bidder should enter into consortium as follows :-
 - a. Item- Furniture, Equipments-section 1& Instruments- Section 1: Consortium with manufacturer/ direct importer.
 - b. Item- Consumables,Equipments-section 2& Instruments- Section 2, Infection Prevention and Model, Charts & Learning Materials: Consortium with Authorized distributor/ authorized dealer.

The bidder should submit all supportive documents of consortium with specified requirements as above.

3. The bidder should submit quality assurance certificate WHO, GMP and COPP for drug items listed under consumables in technical bid.
4. For technical evaluation, the bidder will have to arrange for a skill lab demonstration at Jaipur which will be assessed by Technical committee duly constituted for the purpose. The final technical approval would be subject to Demonstration.
5. Technical Experience: The Bidder should have established at least one skill lab at any state in India and submit satisfactory report to this effect in technical bid.
6. The total time period for completion of this project shall be 90 days from the date of awarding supply order and it is bifurcated into phases as mentioned below:-
 - a) 22 skill labs should be established in starting 50 days.
 - b) After successful completion of first 22 skill labs, rest of 25 skill labs should be established in next 40 days.

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CRITERIA FOR ASSESSMENT IN SKILL LAB DEMONSTRATION

The assessment would grade each item in demonstration as per the grade scale below :

S No	Finding	Grade Score
1	Fully Compliant	2
2	Partially Compliant but acceptable	1
3	Not Demonstrated / Demonstrated but not acceptable	0

For scoring, the items would be grouped in the four main categories: (i) Mannequins, (ii) Equipments, Instruments & Models (iii) Furniture and (iv) Consumables, Infection Prevention Articles and Charts.

Average score of each category will be calculated by dividing the sum of item wise score (as per the grade scale) of the category by the total number of items listed in the category. The maximum average score for each category would be 2.

$$\text{i.e Average Score of a category} = \frac{\text{Sum of item wise score obtained}}{\text{Total number of items in the category}}$$

Category-wise weightage would be applicable as below :

S No	Category	Weightage
1	Mannequins	50
2	Equipments, Instruments & Models	25
3	Furniture	15
4	Consumables, Infection Prevention Articles , Charts and Learning Materials	10

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Finally the weighted score would be calculated as below :

	Maximum Average Score (A)	Weightage (B)	Max Weighted Point Score (C) = AxB	Observed Average Score (As per Assessment) (D)	Observed Weighted point score (E) = DxB	Maximum weighted point score (F) = Sum of (C)	Total Observed weighted point score (G) = Sum of (E)	Weighted point score (%) (H) = (G/F)x100
Mannequins	2	50	100			200		
Equipments Instruments & Models	2	25	50					
Furniture	2	15	30					
Consumables, Infection Prevention Articles, Charts and Learning Materials	2	10	20					

Qualifying cut off for the weighted point score (H) would be 75%

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2 M
Executive Director (EPM)
RMSCL, Jaipur
Dated: 27/9/16

No. F-8() RMSC/EPM/M-4/15-16/NIB-178/ 4091
Copy to:-
1. M.D.RISL, Yojna Bhawan, Jaipur
2. PA to M.D., RMSC, Jaipur
3. AGM (IT), RMSC, Jaipur
4. Guard File

2 M
Executive Director (EPM)
RMSCL, Jaipur

