Odisha State Health & FW Society (OSH&FWS)
Mission Directorate
National Health Mission, Odisha

(website: www.nhmodisha.gov.in email : proc.nhmodisha@gmail.com)

TENDER DOCUMENT

TENDER ENQUIRY NO.: OSH&FWS/2019-20/EQUIP-Skill Lab/2

TENDER FOR SUPPLY OF EQUIPMENT FOR SKILL LAB & OTHER PROGRAMS (MANNEQUIN, MODEL & CHARTS, INSTRUMENT SET)

Period of availability of tender document in website : *www.nhmodisha.gov.in*	Dt. 1.3.2019 to 30.3.2019
Date & time of Pre-Bid Conference	Dt. 8.3.2019, 11.30 AM
Last Date & time for Submission of Tender:	Dt. 30.3.2019 up to 3 PM
Address of Submission of Tender Document:	The Mission Director, National Health Mission, Annex. Building of SIH&FW, Nayapalli, Bhubaneswar-751 012, Odisha.
Date & time of opening of the Technical Bid:	Dt. 30.3.2019 at 3.30 PM

The tender document contains total 57 Pages

Odisha State Health & Family Welfare Society (OSH&FWS)
Mission Directorate
National Health Mission, Odisha

SUPPLY OF EQUIPMENT FOR SKILL LAB & OTHER PROGRAMS
(MANNEQUIN, MODEL, CHARTS & INSTRUMENTS)

Sealed tenders as per the terms and conditions contained in this Tender document are invited from eligible bidders (Manufacturer/ Importer/Authorized distributor)for supply of equipment for skill lab & other programs, the details of which are specified at Schedule of Requirement & Technical Specifications – Section III of the tender document.

This Tender document contains the following:

Section I – Instructions and information for submission of Tenders
Section II – Terms and Conditions
Section III – Schedule of requirement
Section IV - Technical Specification
Section V - Formats of the Tender

The deadline for submission of Tender is 30.3.2019, 3 PM.

The OSH&FWS reserves the right to accept and or reject any or all the tenders without assigning any cause or reason thereof. No claim in whatsoever form from any firms for such decision of OSH&FW shall be entertained.

sd/
Mission Director

Section I

Instructions and information for submission of Tenders

Tenderers as per the eligibility criteria are required to submit their tenders in sealed envelopes as per the instructions given at Clause 5 -FORMATS AND SIGNING OF TENDERS and Clause 6 - SEALING AND MARKING OF TENDERS and must submit before the deadline given at Clause 7- DEADLINE FOR SUBMISSION OF TENDERS of this Section.

The sealed envelope(s) containing the Tender(s) must **be delivered at the address mentioned in the covering letter** within the Last date and time for submission of Tenders: **On or before 3 PM on 30.3.2019**.

Schedules of Tenders:

This tender has three schedules as mentioned below:

Sl.	Schedule No.	Schedule Items
1	Schedule 1	Mannequins
2	Schedule 2	Models & Chart
3	Schedule 3	Instrument Set

The tender schedules are treated as separate tenders & shall be evaluated separately.

The tenderer may quote for any or all the schedules by submitting separate EMDs as mentioned below:

Sl.	Schedule No.	EMDs to be Submitted (Rs.)
1	**Schedule 1 (Mannequins)**	
1.1	Abdominal Palpation Mannequin during pregnancy (Mannequin)	9,000/-
1.2	Child Birth Simulator (Mannequin) with attachment for cervical dialation	38,000/-
1.3	Postpartum Suturing Trainer	46,000/-
1.4	Female Lower Torso with normal &postpartum uterus and accessories	13,000/-
1.5	Adult IV arm training kit (Mannequin of arm)	52,000/-
1.6	Female catheterization mannequin	7,000/-
1.7	Adult Intramuscular Injection Training Mannequin	4,000/-
1.8	OG tube trainer (paediatric) - (Mannequin)	31,000/-
1.9	Essential Newborn care and Resuscitation Mannequin	1,55,000/-
1.10	Paediatric multi venous training arm kit (Mannequin of arm)	40,000/-
1.11	Mannequin for simulation and Management of PPH	1,80,000/-
1.12	Adult CPR Mannequin	1,500/-
1.13	Normal Newborn Baby Mannequin	3,500/-
1.14	Preterm Newborn Simulation Mannequin	1,00,000/-
1.15	Breastfeeding Simulator	50,000/-

2	**Schedule 2 (Models & Chart)**	5,000/-
3	**Schedule 3 (Instrument Set)**	4,000/-

Eligible Tenderers:

In order to be eligible, the **tenderer**

- Shall submit the required EMD (s)
- Shall Submit the bid document cost
- Shall be a manufacturer / Importer /Authorized distributor of the manufacturer
- Shall have Annual Average turnover of minimum **Rs.1 Crore** (Rupees One Crore) or more during the financial years 2015-16, 2016-17 & 2017-18
- In case of authorized distributor/Importer, shall have manufacturer/ Importer's authorization (as per format at Format-T4) – In case of Mannequins, Models & Instrument Set
- Should have supplied mannequins, models, charts & instrument set (as per the schedule quoted) to Govt. organizations, Nursing Institutions, Public Sector undertakings, Govt. Societies during the last three years. Details to be furnished in Format T8 along with Purchase order copies in support of that.
- Furnish EMD (s) as mentioned in the table above & tender document cost of Rs.2,240/- (for any or all schedules)
- Shall have PAN
- Shall have GST registration certificate

FORMAT OF THE TENDER

The tender should be submitted in English and be set out in two main parts

- Part A - Technical Bid
- Part B – Commercial Bid

PART A – TECHNICAL BID

The **Technical BID** should consist of the following documents:

- Checklist – **Format T1**
- Technical Bid Submission Form - **(Format T2)**
- **Tender document cost** of **Rs.2,240/-** (Rs.2,000/- + 12% GST) for any or all the schedules in the shape of Demand Draft in favor of **Mission Director, National Health Mission** payable at Bhubaneswar.
- **Earnest Money Deposit (EMD) in** the shape of Demand Draft in favor of **Mission Director, National Health Mission** payable at Bhubaneswar. Separate EMDs (Schedule wise) are to be submitted as mentioned in the table mentioned above.
- Details of EMDs - **(Format T3)**
- Profile of the Firm - **(Format T4)**
- Photocopy of the registration certificate of the firm/company
- Photocopy of the GST registration certificate
- Photocopy of PAN
- Annual Turnover Statement certified by the Chartered Accountant – **Format T5**
- **Photocopies of audited annual statement** of the last three years and the turnover figure should be **highlighted** there.

- Manufacturer's Authorization Certificate (in case of authorized distributor/ importer) – **Format T6** (In case of Mannequins & Instruments only)
- Details of Technical Specification of the products offered – **Format T7**
- Technical brochures/Leaflets of the product offered (For each items of the related Schedules – Mannequines, Model & Charts, Instrument Set)
- Video CDs related to functioning & details of each of the products offered (In case of Mannequins)
- Past Experience in executing similar items during the last three years – **(Format T8)**
- Copy of purchase orders (Schedule wise) as mentioned in Format –T8
- Copy of Tender document, duly Signed with **seal** by the Tenderer on each page

PART B: PRICE BID

The **Price Bid** should consist of the following documents:

- Price Bid Submission Form on the letterhead of the firm **(Format - P1)**
- Price Formats (Use **Format - P2 & P3 for Schedule 1 & Schedule 2 respectively and Format P4 A & P4 B for Schedule 3)**
- GST registration certificate

General Information

1. **Last date and time for submission of Tenders**: On or before **3 PM on 30.3.2019**

2. **Schedule of Tender Opening**

   The tenders received by the OSH&FW within the deadline for submission of tenders will be opened at the office address mentioned at clause 6.2

   The Technical bids shall be opened in the presence of the tenderer / their duly authorized representatives (who choose to attend the tender opening) at **3.30 PM 30.3.2019.** In the event of the specified date of Tender opening being declared a holiday for the Purchaser, the Tenders shall be opened at the appointed time and location on the next working day.

   The Commercial bids of **only those tenderers** who meet the eligibility criteria after the assessment of it's technical bid, will be opened in the presence of the tenderer / their duly authorized representatives (who choose to attend the bid opening). The date of opening of the commercial bid shall be intimated to the technically qualified tenderers.

3. **Amendment of Invitation**

   The written queries received in the pre-bid meeting or received maximum by 8.3.2019 shall only be considered by the tender committee for clarification / amendment if any. However the clarification / amendment if any shall only be uploaded in the website: ***www.nhmodisha.gov.in*** and will be binding on the tenderers.

4. **Period of Validity of Bid**

   For the purpose of placing the order, the bid shall remain valid for **a period of one year from the date of submission of bid.**

5. Formats and Signing of Tenders

5.1 The Tender shall be neatly typed and shall be signed, by an authorized signatory (ies) on behalf of the Firm. All pages of the Tender, except for un-amended printed literature, shall be initialed by the person or persons signing the Tender.

5.2 The Tender shall contain no interlineations, erasures or overwriting. In order to correct error made by the tenderer, all corrections shall be done &initialed by the authorized signatory after striking out the original words / figures completely.

6. Sealing and Marking of Tenders

6.1 The Tenderer shall seal & mark the Tender as follows:

The Tenderer shall seal & mark various parts of the tender as follows:

a) Technical bid in one envelope super-scribed with words **"Technical Bid for Supply of Equipment for Skill Lab & other Programs _____(*Pl. mention the Schedule No (s)*)" [for example, if the bidder wishes to bid for all the three schedules, then mention "Schedule 1,2,3" or if two schedules 2 & 3 then mention Schedule 2 & 3"]**

b) Price bid in one envelope super-scribed with words **"Price Bid for Supply of Supply of Equipment for Skill Lab & other Programs - _____ (*Pl. mention the Schedule No (s)*"**

c) All two envelopes (Technical and Price Bids) shall be sealed in a covering envelope super-scribed with words **"Tender for Supply of Equipment for Skill Lab & other Programs - _____ *(Pl. mention the Schedule No* and "Tender Enquiry No." & "Do not open before 3.30 PM on _____"**.

6.2 Every envelope and forwarding letter of various parts of the tender shall be **addressed** to:

Mission Director,
National Health Mission,
Annex Building of SIHFW, Nayapalli,
Unit -8, Bhubaneswar-751012

The name of the firm/company should be mentioned in the bottom left portion of each envelop.

6.3 Tenders may be submitted ***tthrough Speed post / Registered post / Courier or by dropping the Tender in the tender Box.*** Tenders sent through Telex / Telegrams / Fax / Email shall not be acceptable.

6.4 The envelopes are not sealed as per para below and marked as required above; the OSH&FW shall assume no responsibility for the tender's misplacement or premature opening.

6.5 The envelope shall be sealed by signing across all joints & pasting good quality transparent adhesive tape on top of such joints & signatures.

6.6 The envelope shall be properly sealed and carry the name and address of the firm/company.

7. Deadline For Submission of Tenders

Tenders will be received by OSH&FW, Bhubaneswar at the address specified above at clause 6.2, till **3 PM on 30.3.2019.**

8. Late Tenders

Any Tender received by OSH&FW after the deadline for submission of Tenders, as per Clause 7 above shall be returned unopened.

SECTION-II
TERMS AND CONDITIONS

1. Scope

This scope of work covers supply & demonstration of equipment for Skill Lab & other programs [Schedule 1 (Mannequins), Schedule 2 (Models & Chart), Schedule 3 (Instrument Set)] as per technical specification (as mentioned at Section IV) at the consignee locations (as mentioned at Section III and Annexure -I) and providing services for comprehensive onsite warranty.

This is a **Rate contract Tender**, the rate of which will be valid for a period of **one year** from the date of finalization of rate contract. However, the approx. quantity requirement is mentioned in the Schedule of Requirement – Section III. The OSH&FWS shall invite tender centrally & evaluate the same. After finalization/approval of the supplier & the rate, purchase order may be placed by the OSH&FWS / Directorates / District Headquarter Hospitals / Nursing Institutions depending upon the fund placement.

2. **Earnest Money Deposit:**

EMD in shape of **Demand Draft** in favor of **Mission Director-NHM, payable at Bhubaneswar** is to be furnished by the tenderer along with the **technical bid**. Unsuccessful tenderer's EMD will be discharged /returned as promptly as possible but not later than 30 days after issue of purchase order with the successful tenderer. The EMD of the successful tenderer shall be returned after submission of Performance Security. No interest will be paid on EMD. As per Finance Department office memorandum no.21926 dtd.12.8.2015, **Local micro & small enterprises** (MSEs) registered in Odisha with the respective DIC, Khadi, Village, Cotton & Handicraft Industries, OSIC and NSIC while participating in tenders of Government Department & Agencies under its control shall be exempted from payment of earnest money. However, there is no exemption in submission of tender document cost for Local MSEs

The EMD may be forfeited:

(a) if a Tenderer withdraws its tender during the period of validity of the tender

(b) in case of a successful tenderer, if the tenderer fails:

(i) to execute the work order or
(ii) to furnish performance security in accordance with clause 8 of this section.

3. Demonstration

The purchaser may ask for demonstration of Mannequins / Models to ascertain the quality/specification as asked for.

4. Price

The unit price quoted should be in Rupees and in the price schedule format P2 mentioned in the tender. All taxes should be clearly stated separately as mentioned in the price schedule.

5. Evaluation and comparison of tenders:

a. The tenders will be evaluated as per the eligibility criteria, terms & condition and technical specification of the tender.

b. The price bid of those bidders shall be opened whose technical bid are found to be responsive as per technical specification.

c. The price bids of those bidders shall be opened whose technical bids are found to be responsive

d. The technical committee may ask for demonstration of the Mannequins, Models and Instruments as a part of technical evaluation.

e. The eligible and technically qualified firm quoting the lowest price will be selected on the basis of the rates offered.

f. The circulars issued by the Finance Department .Govt of Odisha from time to time regarding tax matters shall be taken into account for evaluation and shall be binding on the bidders.

6. Purchase Order

The Purchaser shall be issued to the lowest evaluated responsive bidder by the OSH&FW/Directorates as per the requirement.

7. Validity of the Bid

For the purpose of placing the purchase order, the bid shall remain valid for **a period of one year** from the date of submission of bid**.**

8. Performance Security:

Within 7 days from the receipt of the letter of award/purchase order, the successful tenderer should submit a performance security in the shape of DD/BG **(from any Nationalized/ Scheduled Bank and valid for 2 months beyond the warranty period)** of an amount equal to **10% of the purchase order/contract value**. The performance security should be made in favour of the Mission Director, NHM / Director, Nursing / Head of the Nursing Institution (as the case may be depending on the purchase order placed) payable at the concerned location. The proceeds of the Performance Security shall be payable to OSH&FW as compensation for any loss resulting from the firm/Company's failure to fulfill the obligations under the scope of work and terms & conditions of the Purchase Order.

9. Delivery

i) The supply of the Equipments (Schedule 1 – **Mannequins**) at the consignee places shall be completed in all respect **within 60 days** from the date of issue of purchase order.
ii) The supply of the Equipments (Schedule 2 – **Model & Charts**) at the consignee places shall be completed in all respect **within 45 days** from the date of issue of purchase order.
iii) The supply of the Equipments (Schedule 3 – **Instrument Set**) at the consignee places shall be completed in all respect **within 45 days** from the date of issue of purchase order.

10. Delay in Supply

The time schedule for completion of the supply as mentioned in Clause 8 above is very important and the supplier must take utmost care to complete the work within the time specified in clause 8. If the supply is delayed for any reason for which the OSH&FW or the authorities in charge of the concerned site are not responsible, a penalty@ **0.5%** of the purchase order/contract value will be deducted from the payment to the supplier for **each week** (or a part thereof) of delay subject to maximum 4% of the purchase order/contract value.

11. Payment Terms

100% payment will be released after supply of full quantity as per purchase order and duly submission of 10% performance security(to cover the warranty period) against submission of bill alongwith duly signed stock entry certificates from the consignee.

12. Warranty

12.1 The supplier shall warrant comprehensively that the equipments supplied under the contract is new, unused and incorporate all recent improvements in design and materials. The supplier shall further warrant that the goods supplied under the contract shall have no defect arising from design, materials or workmanship or from any act or omission of the supplier that may develop under normal use of the supplied goods in the conditions prevailing in India.

12.2 This comprehensive on-site warranty shall remain valid for **three years** from the date of supply**[for Mannequins, Models, Instrument Set (Not required for charts)]**

12.3 In case of any unsatisfactory performance of equipment(s) or any claim arising out of this warranty, the purchaser/consignee shall promptly notify the same in writing or over phone or by fax to the supplier.

12.4 Upon receipt of such notice/communication, the supplier shall, within 48 hours on a 24(hrs) X 7 (days) X 365 (days) basis, rectify or replace the defective goods or parts thereof, free of cost, at the ultimate destination.

12.5 If the supplier, having been notified, fails to rectify or replace the defective goods or parts thereof within 48 hours on a 24(hrs) X 7 (days) X 365 (days) basis, the purchaser may proceed to take such remedial action(s) as deemed fit by the purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which the purchaser may have against the supplier.

13. Spare Part /Spare Equipment

The successful tenderer will stock adequate spare part / spare equipment to provide services during the warranty period so that the equipment can be repaired /replaced within 48 hours.

14. Inspection

The purchaser or it's authorized representative may inspect the equipment on a random basis after it's supply to verify that the same is as per the technical specification

15. Training & User Manual

The supplier will provide hands on training to the designated staff of the consignee in his own cost for operating / handling at the time of supply of Equipments for Skill lab & other programs (Mannequines, Model & Charts, Instrument set).

The supplier / firm will provide the user manual/warranty card to the consignee at the time of supply.

16. Penalties

If the successful tenderer fails to deposit the required performance security within the time specified or withdraws his tender after acceptance of his tender owing to any other reasons or unable to undertake the contract, then the contract will be cancelled and the earnest money deposit / performance security deposit shall stand forfeited by the purchaser.

Violating the tender terms and conditions & non supply / supply which is not as per technical specification will disqualify the firm to participate in the tender for a period of 3 (three) years from the date of issue of letter and his E.M.D & performance security deposit will be forfeited and no further purchase order will be placed to that firm for that item.

17. Arbitration

OSH&FW and the supplier shall make every effort to resolve amicably by direct negotiation on any disagreement or dispute arising between them under or in connection with the work assigned. In case of their failure to resolve the matter will be referred to the Mission Director, NHM whose decision will be final and binding on both parties.

The arbitration proceedings shall be held in Bhubaneswar, Odisha

18. Disputes &Legal Jurisdiction

All legal disputes are subject to the jurisdiction of Bhubaneswar courts or High Court of Odisha.

SECTION III

Schedule of Requirement

Schedule 1 : Mannequins

Sl.	Items	*Total Qty (Approx.)	Delivery / Installation & Demonstration
1	Abdominal Palpation Mannequin during pregnancy	8	Within **60 days** from the placement of purchase order. **Place of Supply :** ANMTCs, GNMTCs, Capital Hospital, DHH / SDH / CHC (Details of the Institutions at **Annexure – I)**
2	Child Birth Simulator (Mannequin) with attachment for cervical dialation	12	
3	Postpartum Suturing Trainer	58	
4	Female Lower Torso with normal & postpartum uterus and accessories	8	
5	Adult IV arm training kit (Mannequin of arm)	58	
6	Female catheterization mannequin	8	
7	Adult Intramuscular Injection Training Mannequin	4	
8	OG tube trainer (paediatric) - (Mannequin)	31	
9	Essential Newborn care and Resuscitation Mannequin	157	
10	Paediatric multi venous training arm kit (Mannequin of Arm)	58	
11	Mannequin for simulation and management of PPH	153	
12	Adult CPR mannequin	4	
13	Normal Newborn Baby Mannequin	29	
14	Preterm Newborn Simulation Mannequin	179	
15	Breastfeeding Simulator	89	

NB : The quantity may increase/decrease depending upon the requirement

Schedule 2 :Model & Chart

Sl	Items	Total Qty (Approx.)	Delivery / Demonstration
	Models		
1	Fetal Development Set (Model)	4	Within **45 days** from the placement of purchase order. **Place of Supply :** ANMTCs, GNMTCs, Capital Hospital, DHH / SDH / CHC. (Details of the Institutions at **Annexure – I)**
2	Female Pelvic Section with Baby (Model)	4	
3	Female Reproductive System (Model)	4	
4	Hand held uterus model	4	
5	Penile Model	4	
6	Human Fetus Replica (**1 Set** consisting of one 5 months & one 7 months replicas)	8 Sets	
7	Fetal Skull. (Model)	16	
8	Adult female pelvis (Model)	16	
	Charts		
1	Fetal Development / Embryology Development Chart (70 x 100 cm size)	4	
2	Stages of Labour – framed charts (70 x 100 cm size)	12	
3	Male Reproductive System-framed Chart (51 x 66 cm size)	4	
4	Female reproductive system - framed chart (51 x 66 cm size)	4	
5	Pregnancy & Birth -framed Chart (70 x 100 cm size)	4	

NB : The quantity may increase/decrease depending upon the requirement

Schedule 3 : Instrument Set

One Set of Instrument shall consist of the following items & the quantity in the instrument set is as mentioned below:

Total Requirement: 4 Sets (Approx.)

Sl	Items	Qty in One Instrument Set	Delivery & Demonstration
1	SS Kidney Tray 8"	20	Within **45 days** from the placement of purchase order. **Place of Supply** : ANMTCs, GNMTCs, Capital Hospital, DHH / SDH / CHC. (Details of the Institutions at **Annexure – I)**
2	Small S S steel bowl with lid (8")	20	
3	SS tray Big-12"x11" with lid	15	
4	SIMS/Cuscus speculum– Medium	2	
5	Mayo's scissor (curved) - 10"	2	
6	Vulsulum/Tenaculum	2	
7	Uterine sound	2	
8	Anterior vaginal wall retractor	2	
9	Sponge holder (10")	2	
10	Tourniquet	10	
11	Cheattle forceps (10")	4	
12	SS bottle/ narrow mouth container to keep Cheattle forceps	4	
13	Cord clamp	20	
14	Scissors – straight - 8 "	7	
15	Artery Forceps 8"	12	
16	Needle holder 8"	2	
17	Toothed Dissecting forceps 8"	2	
18	Plain Dissecting forceps 8"	2	
19	Episiotomy scissor 6"	2	
20	Small artery forceps 6"	2	
21	Kellys forceps for PPIUCD 12"	2	

NB : The quantity may increase/decrease depending upon the requirement

SECTION -IV
TECHNICAL SPECIFICATION

SCHEDULE 1 - MANNEQUINS

GENERAL SPECIFICATIONS DESIRED FOR ALL MANNEQUINS

- The colour 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 silicone 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 of **aluminum or polycarbonate** or equivalent.
- The mannequin's durability must be of **minimum 3 years** (**Warranty Period)**.
- The material of mannequin should withstand extremes of temperature (upto **45 degree Celsius**).
- The supplier must ensure manufacturer's warranty / guarantee against the specifications and also manufacturing defects.
- The manufacturing units must have an internal system of quality control and suppliers should product 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 supplier must ensure the availability of on-call service against from state headquarters within 48hours, from local within 24 hours, from outside state within 7 days and incase of problem is not rectified on site 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 **warranty** for mannequins must be **three years** from the date of receiving at consignees address.
- All mannequins should include a **soft / hard carrying case** and study questions, do's and dont's, instructions manual, maintenance guide, background information, videotape for demonstrating the use of mannequin, 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 mannequins should have additional accessories as listed and also **talcum powder or silicone gel** to avoid friction, list of accessories and spare parts cost and contact details of its supplier preferably within State.
- The supplier / manufacturer should list the name and address of technical service provider in India.
- The payment of the mannequin is linked with installation at consignee address, demonstration to service providers at consignee address and certificate of installation and functionality by the head of the concerned department.

Note: Wherever "NA" is mentioned in the detail technical specification below, it means "Not Applicable"

1. Abdominal Palpation Mannequin for Leopold Maneuvers during Pregnancy

Definition: Lower adult female torso with anatomical features capable of demonstrating various stages of pregnancy (5th, 7th and term)

1. **USE**
1.1 Clinical purpose To demonstrate Leopold manoeuvres during pregnancy
1.2 Used by Clinical Department Skill labs
2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)

1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. The abdominal palpation model should have full size adult female torso (abdomen and pelvis)
5. The abdominal palpation mannequin should have one-piece full term fetus with palpable frontanelles, spine, shoulders, elbows and knees.
6. The abdominal palpation mannequin should have a mechanism to adjust the firmness of the abdomen in respect to the weeks of pregnancy i.e. 12, 24, 36, 42 gestational age models.
7. The abdominal mannequin should be able to accommodate the fetus in vertex, breech, or transverse positions.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (where ever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation NA
3.6 Mobility, portability: Yes, Portable
4. ENERGY SOURCE (Electricity, UPS, Solar, Gas, Water, CO 2 ....)
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 & spare parts Fetus size - 5th, 7th and term flexible enough to fit inside abdominal Palpation mannequin.
5.2 Consumables/reagents (open, closed system) :NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
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 Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.
7. ***STANDARDS AND SAFE TY***
7.1 Certifications

BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive: 2004/108/EC.

8. **TRAINING AND INSTALLATION**

8.1 Pre-installation requirements: nature, values, quality, tolerance: NA
8.2 Requirements for sign-off : Demonstration to the user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians): Training of users in handling and basic maintenance shall be provided.
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMENTATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented .User manuals to be supplied in English language along with machine diagrams.
List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site, within warranty period including training of user on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number): NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

2. Child Birth Simulator along with attachment for cervical Dilatation

Definition: Lower female torso with anatomical features of pregnancy capable of demonstrating child birth

1. **USE**
1.1 Clinical purpose: Should be able to demonstrate Leopold maneuver
1.2 Used by Clinical Department/Ward skill labs

2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous material.
2. The texture of the mannequin should be close to the feel of the baby/adult skin.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should have pelvis structure of adult female with anatomical landmarks like pelvic cavity, spine etc. Should have manual birthing system to enable the user to control the rotation and speed of fetus delivery etc.
5. Should have fetal baby with movable joints.
6. Should be versatile to change the position of the fetus during the process of birth including descent, flexion, extension, internal and external rotation, restitution.
7. Should have features for training normal and breech deliveries.
8. Should have features to demonstrate cord prolapse.
9. Shall allow demonstration and practice of placenta previa.
10. Should have cervical dilatation attachment for closed os, 4cm, 6cm, 8cm and fully dilated cervix.

2.2 Settings: NA
2.3 User's Interface: NA
2.4 Software and/or standard of communication (where ever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) standard female pelvic structure
3.2 Weight (lbs, kg) : NA
3.3 Configuration: NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation: NA
3.6 Mobility, portability: Yes, Portable

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 & spare parts

- fetal baby with moving joints.
- 2 detachable abdominal pads.
- 2 nos placentas.
- 6 nos umbilical cords.
- 2 sets cervical dilatation attachment for closed Os, 4cm, 6cm, 8cm and fully dilated cervix.

5.2 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 Complete unit to be easily washable with mild soap and water.
7**. STANDARDS AND SAFETY**
7.**1 Certifications**
BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive: 2004/108/EC .
8**. TRAINING AND INSTALLATION**
8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off
Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding asthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMEN TATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User, technical and maintenance manuals to be supplied in English language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings Any recommendations for best use and supplementary warning for safety should be declared

3. Episiotomy Suturing Trainer

Definition: Model of female external pudendum with episiotomy and episiotomy with tears. suitable for training of episiotomy suturing.

1. **USE**
1.1 Clinical purpose The models demonstrate the different types of episiotomies and permits episiotomy suturing.

2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)

1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should enable use of chromic sutures.
5. Should be used of standard needle holder with'00' or '000' chromic sutures.
6. Should have three separate modules for episiotomy.
7. Should have one model featuring medial episiotomy with tears in labia-minora.
8. Should have one model featuring mediolateral episiotomy with peri-urethral tears.
9. Should have one model featuring standard episiotomy.
10. Should have features to attach with child birth simulator.
11. Should have features to attach with child birth simulator and episiotomy with tears.

2.2 Settings :NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (wherever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) NA
3.2 Weight (lbs, kg) NA
3.3 Configuration NA
3.4 Noise (in dBA)NA
3.5 heat dissipation NA
3.6 Mobility, portability Yes, portable
4. **ENERGY SOURCE** (Electricity, UPS, Solar, Gas, Water, CO 2 ....)
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 & spare

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.

5.2 Consumables/reagents (open, closed system) : NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
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
Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.
7. **STANDARDS AND SAFETY**
7.1 Certifications

BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive: 2004/108/EC.

8. **TRAINING AND INSTALLATION**
8.1 Pre-installation requirements: nature, values, quality, tolerance:NA
8.2 Requirements for sign-off Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMEN TATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User manuals to be supplied in english/hindi language along with visit log sheet.

List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared

4. Female lower torso mannequin with normal and postpartum uterus and accessories

Definition: A model of female adult lower body with relevant internal anatomical landmarks suitable for intended palpation and inspection of female pelvic organ. The model should also permit practice of IUD insertion and removal and use of other female contraceptive devices.

1. **USE**
1.1 Clinical purpose used for teaching/practicing bi-manual pelvic examination, vaginal examination, PPIUCD (postpartum intrauterine contraceptive device).
1.2 Used by Clinical Department/Ward/Skill labs
2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should have full size adult female lower torso with relevant internal landmarks and post-partum uterus.
5. Should have palpable normal and pregnant uteri with realistically sculpted and anatomically accurate ovaries and fimbriae.
6. Should have normal and abnormal crevices.
7. Should be suitable for teaching/practicing bi-manual pelvic examination.
8. Should be suitable for vaginal examination, including insertion of speculum, uterine sounding and IUD insertion and removal and PPIUCD (postpartum intrauterine contraceptive device).
9. Should have distal end of vagina to facilitate introduction of a female condom.
10. Should have detachable and attachable cervix.

2.2 Settings NA
2.3 User's interface NA
2.4 Software and/or standard of communication (wherever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration :NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation :NA
3.6 Mobility, portability :Yes, Portable
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 & spare parts

1. One normal and abnormal uterus.
2. One set of normal and abnormal cervices.
3. One anteverted and retroverted uterus.
4. One set of postpartum uterus with duckbill cervix and fallopian tubes.
5. 3 sets of 6 different types of cervices.

5.2 Consumables/reagents (open, closed system) :NA

6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**

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

Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.

7. **STANDARDS AND SAFETY**

7.1 Certifications

BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive: 2004/108/EC.

8. **TRAINING AND INSTALLATION**

8.1 Pre-installation requirements: nature, values, quality, tolerance :NA

8.2 Requirements for sign-off Demonstration to the user while delivering the product.

8.3 Training of staff (medical, paramedical, technicians)

9. **WARRANTY AND MAINTENANCE**

9.1 Warranty 3 years against functionality excluding asthetics.

9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.

9.3 Service contract clauses, including prices Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

10. **DOCUMENTATION**

10.1 Operating manuals, service manuals, other manuals

Advanced maintenance tasks required shall be documented User manuals to be supplied in english language along with visit log sheet.

List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of users on maintenance.

10.2 Other accompanying documents

List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

11. **NOTES**

11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA

11.2 Recommendations or warnings

Any recommendations for best use and supplementary warning for safety should be declared.

5. Adult IV Training Arm Kit

Definition: A synthetic replica of a human arm designed for instructing intravenous (IV) line placement, injections, infusions and intravenous. It simulates the anatomy of an arm with blood vessels, tissues, and skin produced in soft, rubber-like materials.

1. **USE**

1.1 Clinical purpose: It is dealt for practicing: intravenous injections, correct puncture of peripheral veins for blood sampling. Puncturing of arm veins. Positioning of a butterfly cannula.

1.2 Used by Clinical Department Skill lab

2. **TECHNICAL CHARACTERISTICS**

2.1 Technical characteristics (specific to this type of device) :

1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Adult IV training Arm should have full adult arm with clenched/open fist.

5. Adult IV arm should be suitable for practicing IV injections.
6. Adult IV training arm should have prominent venous network.
8. Adult IV training arm should have anatomically located venous grooves, fitted with soft tubes, closely simulating consistency of human veins.
7. Adult IV training arm must have a pliable translucent skin stretched over venous network.
8. Adult IV training arm should have veins in dorsum of hand.
9. Adult IV training arm should feature 'realistic feel' as needle enters vein.
10. Adult IV training arm veins and skin must be replaceable.
11. IV training arm should have cephalic, basic, antecubital, radial and ulnar veins.
12. IV training arm must have base and metal stand to hold the mannequin and accessories as required.

2.2 Settings: NA
2.3 User's interface : NA
2.4 Software and/or standard of communication (where ever required) :NA

3. **PHYSICAL CHARACTERISTICS**

3.1 Dimensions (metric) Adult arm
3.2 Weight (lbs, kg) :NA
3.3 Configuration:NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation: NA
3.6 Mobility, portability :Yes, Portable

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 & spare parts:

- 2 packs of red colour concentrate/powder, with tubing and connector.
- 1 sets of replacement skin.

5.2 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
Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.

7. **STANDARDS AND SAFETY**

7.1 Certifications:

- BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
- EMC Directive:2004/108/EC.

8. **TRAINING AND INSTALLATION**

8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off: Demonstration to the user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians) :

9. **WARRANTY AND MAINTENANCE**

9.1 Warranty 3 years against functionality excluding asthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

10. **DOCUMENTATION**

10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User, manuals to be supplied in english language along with visit log sheet. List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate for calibration and inspection to be provided.

11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number):NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

6. Female Catheterization Mannequin

Definition: Rubber or synthetic model depicting normal uro-genital system capable of demonstrating insertion of urinary catheter for drainage of urine.

1. **USE**
1.1 Clinical purpose This simulator allows the students to feel the pressure and resistance when a catheter is passed through the urethra and sphincter into the bladder. When the catheter enters the bladder, artificial urine (water) will flow through the catheter.
1.2 Used by clinical departments/wards, Skill labs

2. **TEC HNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should have adult female lower torso with realistic vulval area and urethral opening.
5. Female catheterization mannequin should have reservoir bladder.
6. Should have replaceable urethral valve to prevent fluid leakage.
7. Should have removable urinary assembly.
2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (where ever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration: NA
3.4 Noise (in dBA): NA
3.5 heat dissipation: NA
3.6 Mobility, portability: Yes

4 **ENERGY SOURCE** (Electricity, UPS, Solar, Gas, Water, CO 2 ....)
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 & spare parts

- 2 bladder tanks
- urethra valves

5.2 Consumables/reagents (open, closed system) :NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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. Complete unit to be easily washable with mild soap and water without bringing deterioration to the mannequin.
7. **STANDARDS AND SAFETY**
7.1 Certifications

- BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
- EMC Directive:2004/108/EC

8**. TRAINING AND INSTALLATION**
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)
Training of users in handling and basic maintenance shall be provided
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding asthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMENTATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User, manuals to be supplied in English / Hindi language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

7. Intramuscular Injection Training Mannequin

Definition: A synthetic replica of lower torso for demonstrating IM injections in gluteal region.

1. **USE**
1.1 Clinical purpose It is designed to simulate the actual sensation of the human skeletal structure required to determine the correct injection site. It helps users to practice a range of injection procedures, including needle puncture and infusion of simulated injection fluid (water).
1.2 Used by clinical department Skill labs

2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Intramuscular injection training model should have lifelike human torso with intramuscular injection site in upper outer quadrant of palpable gluteal region on both side (left and right).
5. Should have intramuscular injection in ventrogluteal site below iliac crest on both side (left and right).

2.2 Settings :NA
2.3 User's interface :NA
2.4 Software and/or standard of communication (wherever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration:NA
3.4 Noise (in dBA): NA
3.5 heat dissipation: NA
3.6 Mobility, portability :Yes, Portable
4. **ENERGY SOURCE** (electricity, UPS, solar, gas, water, CO 2 ....)
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 & spare parts: NA
5.2 Consumables/reagents (open, closed system) :NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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. Complete unit to be easily washable with mild soap and water without bringing deterioration to the mannequin.
7. **STANDARDS AND SAFE TY**
7.1 Certifications
BS EN ISO/IEC 17050-1:2010.Conformity assessment. Supplier's declaration of conformity.
EMC Directive:2004/108/EC.
8. **TRAINING AND INSTALLATION**
8.1 Pre-installation requirements: nature, values, quality, tolerance: NA
8.2 Requirements for sign-off Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding asthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMENTATION**
10.1 Operating manuals, service manuals, other manuals. Advanced maintenance tasks required shall be documented.
User manuals to be supplied in English/Hindi language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance.
Once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11**. NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

8. OG Tube Insertion Simulation Model

Definition: An infant simulation model to practice insertion of nasal and oral tubes for the purpose of suction and feeding.
1. **USE**
1.1 Clinical purpose: This model can be used to practice the insertion of suction catheters into oral cavity as well suction procedures, oral tube feeding, and gastrostomy care procedures, routinely applied in the nursing and care giving fields.
1.2 Used by Clinical Department Skill labs

2. **TECHNICAL CHARACTERISTICS**

2.1 Technical characteristics (specific to this type of device) :
1. The material of the mannequin should be of Polyvinyl and silicone rubber, free from any hazardous material.
2. The texture of the mannequin should be close to the feel of baby/adult skin as relevant.

3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should look like 0-8 weeks old
5. Should have soft and flexible and replaceable face skin and upper bodyskin,
6. Placing NP/OP tubes must be possible,
7.Should have markings for ear canal, should have removable internal parts.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (wherever required) ;NA

3. **PHYSICAL CHARACTERISTICS**

3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration:NA
3.4 Noise (in dBA): NA
3.5 heat dissipation:NA
3.6 Mobility, portability:Yes, Portable

4. **ENERGY SOURCE** (Electricity, UPS, Solar, Gas, Water, CO 2 ....)

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 & spare parts :NA
5.2 Consumables/reagents (open, closed system) :NA

6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**

6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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
Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.

7. **STANDARDS AND SAFETY**

7.1 ***Certifications***

BS EN ISO/IEC 17050-1:2010.Conformity assessment. Supplier's declaration of conformity.
EMC Directive:2004/108/EC.

8. **TRAINING AND INSTALLATION**

8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to the user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.

9. **WARRANTY AND MAINTENANCE**

9.1 Warranty 3 years against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.

10. **DOCUMENTATION**

10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User manuals to be supplied in english/hindi language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of user on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.

11. **NOTES**

11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

9. Essential New Born Care and Resuscitation Mannequin

Definition: Human neonate model for the demonstration of ENBC and practice of cleaning of airway and ventilation as part of neonatal resuscitation

1. **USE**
1.1 Clinical purpose: To demonstrate and practice neonatal resuscitation

2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics(specific to this type of device)

1. The material of mannequin should be of polyvinyl and silicone rubber, free from any hazardous material.
2. The texture of the mannequin should be close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Newborn mannequin should have features for training essential newborn care (ENBC) and newborn resuscitation.
5. Newborn Mannequin should facilitate effective bag and mask ventilation, chest must rise only with correct technique.
6. The newborn mannequin should include the following: Squeeze bulbs for simulation of cord pulsation, spontaneous breathing, auscultation of heart sound and cry.
7. The new born mannequin should demonstrate clearing of airways, perform suction; monitoring of ventilation and pulsation.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (where ever required) : NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) : NA
3.2 Weight (lbs, kg): NA
3.3 Configuration:NA
3.4 Noise (in dBA): NA
3.5 heat dissipation:NA
3.6 Mobility, portability: Yes, Portable
4. **ENERGY SOURCE** (electricity, UPS, solar, gas, water, CO 2 ....)
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 & spare parts

1. 10 units-device for suction of nose and mouth.
2. 4 external umbilical cords and 6 umbilical ties.
3. 2 neonatal mucus sucker (easy to open, clean, autoclave and reusable).
4. 2 training stethoscopes.

5.2 Consumables/reagents (open, closed system) :NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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
Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.

7. **STANDARDS AND SAFETY**
7.1 Certifications

BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declarationof conformity.
EMC Directive:2004/108/EC.

8. **TRAINING AND INSTALLA TION**
8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to the user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9**.** 9.1 Warranty **3 years** against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses including prices. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10**. DOCUMEN TATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User, technical and maintenance manuals to be supplied in english language alongwith visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11**. NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared

10. Pediatric IV Arm Kit

Definition: A synthetic replica of a human arm designed for instructing intravenous (IV) line placement, injections, and intravenous infusions. It simulates the anatomy of an arm with blood vessels, tissues, and skin produced in soft, rubber-like materials.

1. **USE**
1.1 Clinical purpose It is ideal for practicing: intravenous injections, correct puncture of peripheral veins for blood sampling, puncturing the veins of upper limb including positioning of butterfly cannula.
1.2 Used by Clinical Department Skill labs

2. **TECHNICAL CHARACTERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous material.
2. The texture of the mannequin should be close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Should have pediatric arm.
5. Should have simulated blood pack.
6. Should have blood bag with tubing and connector.
7. Should have clamp and hook.
8. Should have mannequin lubricant, if required.
9. Should have replacement skin and multi-vein system.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (where ever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration: NA
3.4 Noise (in dBA): NA
3.5 heat dissipation: NA
3.6 Mobility, portability: Yes
4. **ENERGY SOURCE** (Electricity, UPS, Solar, Gas, Water, CO 2 ....)

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 & spare parts Replaceable skin sets-1 Lubricant to be provided, if the type of mannequin requires it for effective functioning.
5.2 Consumables/reagents (open, closed system) :NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
6.1 Atmosphere/Ambiance (air conditioning, humidity,dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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
Complete unit to be easily washable with mild soap and water without bringing deteriorities in the mannequin.
7. **STANDARDS AND SAFETY**
7.1 Certifications
BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive:2004/108/EC
8. TRAINING AND INSTALLATION
8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9. **WARRANTY AND MAINTENANCE**
9.1 **Warranty 3 years** against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMEN TATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User manuals to be supplied in english language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance.
Once a year visit to site, within warranty period including training of user on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. NOTES
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings : Any recommendations for best use and supplementary warning for safety should be declared

11. Postpartum Hemorrhage Simulation model

Definition: A synthetic or rubber model which simulates Postpartum hemorrhage (PPH), which demonstrates different methods of prevention and management.

1. **USE**
1.1 Clinical purpose It is used for teaching simulation of postpartum bleeding and allows students to practice fundal massage techniques.
1.2 Used by clinical department Skill labs

2. **TECHNICAL CHARAC TERISTICS**
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The model should be highly realistic for simulating postpartum hemorrhage.

3. The model should have features to manually control the amount of bleeding.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (wherever required) :NA
3. **PHYSICAL CHARACTERISTICS**
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration:NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation: NA
3.6 Mobility, portability;Yes, Portable
4. **ENERGY SOURCE** (electricity, UPS, solar, gas, water, CO 2 ....)
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 & spare parts The mannequin should have the following:

1. Full term fetus with placenta and umbilical cord
2. Red fluid Concentrate
3. Fluid Collection tray
4. Fluid drain
5. Urine catheter
6. 20 ml syringe
7. carrying bag

5.2 Consumables/reagents (open,closed system) :NA
6. **ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS**
6.1 Atmosphere/Ambiance (air conditioning, humidity, dust ...)
Capable of being stored continuously in ambient temperature of 0 to 50 degC 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
Complete unit to be easily washable using mild soap and water without bringing deterioration in the mannequin.
7. S TANDARDS AND SAFE TY
7.1 **Certifications**

BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declarationof conformity.
EMC Directive:2004/108/EC.

8. **TRAINING AND INSTALLATION**
8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
Training features to include complete and incomplete placenta delivery, oxytocin injection, and controlled cord traction.
9. **WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses including prices. Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMENTATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User manuals to be supplied in english language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of user on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. **NOTES**
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA

11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared

12. Adult CPR Mannequin

Definition: A specially-constructed doll with simulated respiratory and cardiovascular functions designed to demonstrate and teach resuscitation techniques that include chest compressions [cardiopulmonary resuscitation (CPR)].

1. USE
1.1 Clinical purpose:It is used to demonstrate nose pinch required for ventilation techniques. Head tilt/chin lift and jaw thrust allowing students to currently practice all manoeuvres necessary when resuscitating a real victim.
1.2 Used by clinical department Skill lab
2. TECHNICAL CHARACTERISTICS
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. It should have features to demonstrate opening of airway, head tilt/chin tilt and jaw thrust techniques.
5. Adult CPR Mannequin should have disposable airways.
6. Adult CPR Mannequins should have removable, reusable faces.
7. Adult CPR mannequin should have an indicator which confirms correct chest compression technique.
8. It should have compression spring for consistent resistance.

2.2 Settings: NA
2.3 User's interface: NA
2.4 Software and/or standard of communication (where ever required) :NA
3. PHYSICAL CHARACTERISTICS
3.1 Dimensions (metric) adult torso
3.2 Weight (lbs, kg) :NA
3.3 Configuration: NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation: NA
3.6 Mobility, portability: Yes, portable
4. ENERGY SOURCE (Electricity, UPS, Solar, Gas, Water, CO 2 ....)
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 & spare parts :
10 nos..reusable mannequin faces.
10 nos..reusable airways.
50 nos.mannequin wipes.
5.2 Consumables/reagents (open, closed system) :NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
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
Complete unit to be easily washable with mild soap and water without bringing deterioration in the mannequin.
7. STANDARDS AND SAFE TY
7.1 Certifications:
BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.
EMC Directive:2004/108/EC.
8. **TRAINING AND INSTALLATION**

8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to the users while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9**. WARRANTY AND MAINTENANCE**
9.1 Warranty 3 years against functionality excluding asthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. **DOCUMENTATION**
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User, technical and maintenance manuals to be supplied in english language along with visit log sheet.
List to be provided of equipment and procedures required for local calibration and routine maintenance once a year visit to the site within warranty period including training of users on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. NOTES
11.1 Service Support Contact details (Hierchy Wise; including a toll free/landline number) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared

13. Normal New Born Baby Simulation Model

Definition: Synthetic or rubber replica of human baby to demonstrate Kangaroo mother care (KMC).

1. USE
1.1 Clinical purpose It is used to demonstrate the characteristics and examination of new bornbaby and Kangaroo mother care (KMC).
1.2 Used by Clinical Department Skill labs
2. TEC HNICAL CHARACTERISTICS
2.1 Technical characteristics (specific to this type of device)
1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. New born baby mannequin should weigh close to the normal newborn.
4. Should have actual size showing external development and growth.
5. Should be close to normal skin colour, texture and bony feel.
6. Should have moving head, flexible upper and lower limbs.
7. Should have KMC clothes compatible with the size of the mannequins.

2.2 Settings :NA
2.3 User's interface :NA
2.4 Software and/or standard of communication (where ever required) :NA
3. PHYSICAL CHARACTERISTICS
3.1 Dimensions (metric) :NA
3.2 Weight (lbs, kg) :NA
3.3 Configuration :NA
3.4 Noise (in dBA) : NA
3.5 heat dissipation :NA
3.6 Mobility, portability :Yes, Portable

4. **ENERGY SOURCE** (Electricity, UPS, Solar, Gas, Water, CO 2 ....)
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 & spare parts :NA
5.2 Consumables/reagents (open, closed system) :NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS
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
Complete unit to be easily washable with mild soap and water withoutbringing deterioration to the mannequin.
7. STANDARDS AND SAFE TY
7.1 Certifications
BS EN ISO/IEC 17050-1:2010.Conformity assessment. Supplier's declaration of conformity.
EMC Directive:2004/108/EC.
8. TRAINING AND INS TALLATION
8.1 Pre-installation requirements: nature, values, quality, tolerance :NA
8.2 Requirements for sign-off Demonstration to user while delivering the product.
8.3 Training of staff (medical, paramedical, technicians)
Training of users in handling and basic maintenance shall be provided.
9. WARRANTY AND MAINTENANCE
9.1 Warranty **3 year**s against functionality excluding aesthetics.
9.2 Maintenance tasks maintenance manual detailing complete maintaining schedule.
9.3 Service contract clauses, including prices
Local clinical staff/authorized officer on behalf of purchaser to affirm completion of installation.
10. DOCUMEN TATION
10.1 Operating manuals, service manuals, other manuals
Advanced maintenance tasks required shall be documented User manuals to be supplied in English language along with visit log sheet List to be provided of equipment and procedures required for local calibration and routine maintenance Once a year visit to site within warranty period including training of user on maintenance.
10.2 Other accompanying documents
List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
11. NOTES
11.1 Service Support Contact details (Hierchy Wise; ncluding a toll free/landlinenumber) :NA
11.2 Recommendations or warnings
Any recommendations for best use and supplementary warning for safety should be declared.

14. Preterm Newborn Simulation Mannequin

a) The Preterm Newborn Simulation Mannequin should be realistic in size and appearance & also feel natural in weight, feel and touch

b) The appearance Preterm Newborn Simulation Mannequin should be like preterm baby (should feel approximately 1.6 Kg and mimic a newborn with 32 week gestational age when ready for use)

c) The mannequin should have features for training assisted feeding by Nasogastric / Orogastric tube insertion , i.e. stomach pouch, oro and nasogastric tract to practice correct placement of NG/OG tube, drainage tube from stomach to empty and wash stomach.

d) The mannequin should include the following:

i. NG/OG Tube (6 or 8 Fr Size)
ii. Training Syringe (Syringe without needle)
iii. Storage bag & trap
iv. Diaper
v. Training Stethoscope

vi. Newborn Care Wrap
vii. Preterm Cap

Quality standards
Certifications BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.

15. Breastfeeding Simulator

a) Breastfeeding Simulator should be a wearable simulator that allows highly realistic simulation of breast feeding technique, breast milk expression and Kangaroo Mother Care.

b) The materials of breastfeeding simulator should have mimic the adult female breast in terms of shape and anatomical parts. It should ideally be of neoprene fabric, silicone nipples and facility to sharp it on a person.

c) The Colour of the simulator should ideally be skin tone natural

d) The simulator should have pouches (with lock system to control flow of milk) which when filled give it the contours of breast and the water can be realistically expressed from the breast.

e) The breast feeding simulator should include the following:

i. 30 ml. Cup
ii. Transport / Storage Bag
iii. Direction of use

Certifications
BS EN ISO/IEC 17050-1:2010 Conformity assessment. Supplier's declaration of conformity.

SCHEDULE 2 –MODEL & CHARTS

Models

1. Fetal Development Set (Model)

A set consists of 10 models 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 known
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 30 cms
8th	Seventh	Fetus is about 35 cms
9th	Eighth	Fetus is about 40 cms
10th	Ninth	Fetus is about 45 cms

All models shall be base mounted so that it can be placed on a table for demonstration.

2. Female Pelvic Section with baby model

Full size adult female pelvic made of fibre glass and hand painted with relevant anatomical landmarks and cloth/rexine fetal doll with hand made of fibre glass.

3. Female Reproductive System model

Super quality model of advanced PVC Discectable into a number of parts and mounted on a stand showing internal and external female genital organs.

4. Hand Held Uterus Model:

i. Hand Held Uterus model should show coronal section of uterus, ovaries and fimbriae.

ii. Hand Held Uterus model should have a clear plastic window permitting easy view of IUD.

iii. Hand Held Uterus model should permit easy demo of inserting and removing IUD

iv. Hand Held Uterus model should be Made of PVC.

5. Penile Model

6. Human Fetus Replicates (1 set consists of 5^{th}& 7^{th} month replicas) :

Features:

a) Human Fetus replicas should be very close to real.

b) Human Fetus replicas should have actual size showing external development and growth of the fetus for corresponding gestational age.

c) Human Fetus replicas should be available to represent different gestation periods – **5^{th} and 7^{th} month**.

d) Human Fetus replicas should have features, color and skin texture to simulating Indian babies.

e) Human Fetus replicas should be feasible for teaching external development and growth of the fetus.

f) Human Fetus replicas should be flexible enough to fit inside the abdominal palpation mannequin while demonstrating the Leopold maneuver during pregnancy.

7. Fetal Skull

8. Adult female pelvis model made of synthetic material

Warranty : 3 Years

CHARTS

1	Fetal Development / Embryology Development **framed Chart** (**70 x 100 cm** size)
2	Stages of Labour – **framed charts** (**70 x 100 cm** size)
3	Male Reproductive System-**framed Chart** (**51 x 66 cm** size)
4	Female reproductive system - **framed chart** (**51 x 66 cm** size)
5	Pregnancy & Birth -**framed Chart** (**70 x 100 cm** size)

SCHEDULE 3 –INSTRUMENT SET

- Instruments should be made up of stainless steel medical grade **AISI 410 & 420**. **Test reports should be submitted in the technical bid.**

Warranty: 3 Years

One Set of Instrument shall consist of the following items & the quantity in the instrument set is as mentioned below:

Sl	Items	Qty / One Instrument Set
1	SS Kidney Tray 8"	20
2	Small S S steel bowl with lid (8")	20
3	SS tray Big-12"x11" with lid	15
4	SIMS/Cuscus speculum - Medium	2
5	Mayo's scissor (curved) - 10"	2
6	Vulsulum/Tenaculum	2
7	Uterine sound	2
8	Anterior vaginal wall retractor	2
9	Sponge holder (10")	2
10	Tourniquet	10
11	Cheattle forceps (10")	4
12	SS bottle/ narrow mouth container to keep Cheattle forceps	4
13	Cord clamp	20
14	Scissors – straight - 8 "	7
15	Artery Forceps 8"	12
16	Needle holder 8"	2
17	Toothed Dissecting forceps 8"	2
18	Plain Dissecting forceps 8"	2
19	Episiotomy scissor 6"	2
20	Small artery forceps 6"	2
21	Kellys forceps for PPIUCD 12"	2

Section V

Formats of the tender

TENDER FORMATS

TENDER ENQUIRY NO..OSH&FWS/2019-20/EQUIP-Skill Lab/2

TECHNICAL BID

==========

National Health Mission,
Annex Building of SIHFW, Nayapalli,
Unit -8, Bhubaneswar-751012

Format T1

CHECK LIST

(To be submitted in **Cover A- Technical Bid**)

Note:The documents have to be arranged serially as per the order mentioned in the check list

All the documents furnished should be page numbered and signed by the authorized signatory of the firm/company with company/firm seal.

DOCUMENTS : SUBMITTED OR NOT (Please put ✓ in the respective box)

Sl.	Details	Provided or not	If provided mention page No.(s)
	TECHNICAL BID		
1.	Earnest Money Deposit(s) in shape of DD	Yes / No	
2.	Tender Paper cost in shape of DD of Rs.2,240/- for any or all schedules)	Yes / No	
3.	**Format –T2** duly signed by the authorized signatory with seal	Yes / No	
4.	**Format –T3** duly signed by the authorized signatory with seal	Yes / No	
5.	Photocopy of the Registration certificate of the firm (Bidder)	Yes / No	
6.	Photocopy of the GST registration certificate	Yes / No	
7.	Photocopy of PAN	Yes / No	
8.	**Format –T4** duly signed by the authorized signatory with seal	Yes / No	
9.	**Format–T5** (Annual Turnover Statement for preceding 3 years signed by Auditor / CA) duly signed by the authorized signatory with seal	Yes / No	
10.	**Photocopies of audited annual statement** of the last three years and the turnover figure should be **highlighted** there.	Yes / No	
11.	**Format-T6** (Manufacturing Authorization from the Manufacturer/Authorized Importer–duly signed by the authorized signatory with seal in case the bidder is the authorized distributor	Yes / No	
12.	Copy of IEC certificate (In case the bidder is Importer)	Yes / No	
13.	**Format –T7** (Details of technical specification of the offered product) duly signed by the authorized signatory with seal	Yes / No	
14.	Technical Brochures/Leaflets of the offered product	Yes / No	
15.	**Format –T8** (Performance Statement) of the bidder towards supply of similar items during the last three years	Yes / No	
16.	Photocopies of **purchase order** in support of the information provided in Format – T8.	Yes / No	
17.	BS EN ISO/IEC 17050-1:2010. Conformity assessment (for Mannequins – as mentioned in Technical Specification)	Yes / No	

18.	Supplier's declaration of conformity EMC Directive:2004/108/EC (for Mannequins – as mentioned in Technical Specification)	Yes / No	
19.	ISO Certificate of the Manufacturer	Yes / No	
20.	CE Certificate of the Products (If any) for Mannequins/ Models/Instrument Set)	Yes / No	
21.	AISI 410 / 420 stainless steel (medical grade) test certificates (In case of Instrument Set)	Yes / No	
22.	**Format –T8** (Performance Statement) of the bidder towards supply of similar items during the last three years	Yes / No	
23.	Photocopies of **purchase order** in support of the information provided in Format – T8.	Yes / No	
24.	Copy of original / downloaded Tender and schedules, duly signed by the authorized signatory	Yes / No	
25.	Cover 'B' – Price Bid with price schedule in **Separate Envelop (Schedule wise)**	Yes / No	

Format T2

(*To be furnished in the Technical Bid*)

TECHNICAL TENDER SUBMISSION FORM
(On the letterhead of the Organization)

[*Location, Date*]

To

Mission Director,
National Health Mission,
Annex Building of SIHFW, Nayapalli,
Unit -8, Bhubaneswar-751012

Re.: Tender Enquiry No.**: OSH&FWS/2019-20/EQUIP-Skill Lab/2**

Dear Sir,

We, the undersigned do hereby offer to Supply the Equipment for Skill Lab & other programs We are submitting our bids, which include this Technical Bid, and a Commercial Bid sealed under a separate envelope.

We accept all the tender terms & conditions of the tender under reference. We hereby declare that all the information and statements made in this bid are true and accept that any of our misrepresentations contained in it may lead to our disqualification.

Our proposal shall be binding upon us for a period of one year from the date of submission of bid, subject to the modifications resulting from Contract negotiations you may subsequently carry out with us to accept our tender. We undertake to carry out the work as per the terms and conditions of this tender document.

We hereby declare that my firm/company has not been debarred / black listed by any Government / Semi Government organizations. I further certify that I am the competent authority in my firm/company authorized to make this declaration.

I/We hereby agree that the Tender Inviting Authority can forfeit the Earnest Money Deposit and or Performance Security Deposit and blacklist me/us for a period of 3 years if any information furnished by us proved to be false at the time of inspection / verification and not complying with the Tender terms & conditions.

We understand you are not bound to accept any bid you receive.

Yours sincerely,

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

Name of Organization: _____

Address: _____

(Organization Seal)

Format T3

(*To be furnished in the Technical Bid*)
(On the letterhead of the Organization

DETAILS OF THE BIDDER

GENERAL INFORMATION ABOUT THE BIDDER				
1	Name of the Bidder			
	Registered address of the firm			
	State		District	
	Telephone No.		Fax	
	Email		Website	
Contact Person Details				
2	Name		Designation	
	Telephone No.		Mobile No.	
Communication Address				
3	Address			
	State		District	
	Telephone No.		Fax	
	Email		Website	

Type of the Firm (Please □ relevant box)						
4	Private Ltd.		Public Ltd.		Proprietorship	
	Partnership		Society		Others, specify	
	Registration No. & Date of Registration.					

Nature of Business (Please □ relevant box)				
5	Manufacturer		Importer	
	Distributor			

Key personnel Details (Chairman, CEO, Directors, Managing Partners etc.)				
6	in case of Directors, DIN Nos. are required			
	Name		Designation	
	Name		Designation	
7	*Whether any criminal case was registered against the company or any of its promoters in the past?*			Yes / No
8	*Other relevant Information*			

9	*GST Registration No.* *Furnish the copy of GST registration certificate*				
10	*PAN :* *Furnish the copy of the PAN*				
11	*Registration certificate / Certificate of Incorporation of the firm/company (furnish the copy)*				
12	*Bank Details of the Bidder: The bidders have to furnish the Bank Details as mentioned below for return of EMD /Payment for supply if any (if selected)* a. Name of the Bank : b. Name of the Account & Full address of the Branch concerned : c. Account no. of the bidder : d. IFS Code of the Bank :				
Date:		*Office Seal*		*Signature of the bidder / Authorized signatory*	

Format T4

(*To be furnished in the Technical Bid*)

DETAILS OF EMD(s) SUBMITTED

The bidders have to furnish EMDs as per the Schedule they are interested for.

Sl.	Name of Schedule	EMD Amount (Rs.)
	TOTAL (Rs.)	

Signature of the Tenderer:

Date:

Official Seal:

Format – T5
(To be furnished with the Technical bid)

ANNUAL TURN OVER STATEMENT

The Annual Turnover for the last three financial years of M/s_____ are given below and certified that the statement is true and correct.

Sl.No.	***Year***	***Turnover (in Rs.)***
1.	2015 - 2016	-
2.	2016 - 2017	-
3.	2017 – 2018	-

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

Date:
Place:

Signature of Auditor/
Chartered Accountant

(Name in Capital)

Seal

Membership No.:

Registration No. of Firm

Note:

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

b) This turnover statement should also be supported by **copies of audited annual statement** of the last three years and the turnover figure should be **highlighted** there.

Format – T6

(To be furnished with the Technical bid)

MANUFACTURER/ AUTHOTIZED IMPORTER'S AUTHORISATION FORMAT

(In case the bidder is not the Manufacturer)

(For Items :Mannequins, Models & Instrument Set)

(Not required for Charts)

To

Mission Director,
National Health Mission,
Annex Building of SIHFW, Nayapalli, Unit -8, Bhubaneswar-751012

.

Ref: Tender No. _____Dated _____ for _____.

Dear Sir/ Madam

We, ---------- are the manufacturer/Authorized Importer (tick the relevant) of ---------- (name of equipment(s) and have the manufacturing factory at ----------.

1. Messrs ---------- (name and address of the agent) is our authorized distributor for sale and service of ---------- (name of equipment(s))

2. We also extend our full warranty (**3 year comprehensive warranty**) as required by the purchaser

3. We undertake that we have adequate infrastructure and spare part support to carry out the warranty.

Yours faithfully,

(Signature with date, name and designation)

For and on behalf of Messrs ----------
(Name & address of the manufacturers)

Seal
Note :

1. This letter should be on the ***letterhead*** of the ***manufacturer*** and should be signed by a person having the power of attorney to legally bind the manufacturer.
2. Original letter shall be attached to the technical bid.

Format – T7

(To be furnished with the Technical bid)

Technical Compliance Statement

DETAILS OF TECHNICAL SPECIFICATION OF THE PRODUCT (S) OFFERED BY THE BIDDER

Sl. No.	Item Name	Make	Model Name	Country of Origin	Detail Specification of the product(s) offered* (Pl. Describe the detail specification of the product offered) – Para wise compliance to the technical specification asked for.	***Page no. of the Catalogue / Leaflet where Para wise compliance information as per technical specification is available
1						
2						
3						
4						

(Use separate sheets if the space provided is not sufficient)

* **Leaflets/Technical Brocheures** of the product offered (for **each item quoted**) must be attached in support of the information provided above.

** Video CDs (In case of **Mannequins – each mannequins offered)** shall be furnished related to demonstration of the functioning of mannequins.

*** It is mandatory to mention the page no(s) in the format as mentioned above.

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

(Organization Seal)

Format – T 8

(To be furnished with the Technical bid)

Performance Statement for supply of Similar Items

(for a period of last three years)

(Schedule wise: Separately for Mannequins, Model & Charts, Instrument Set)

Name of the Firm _____

* Order placed by (Name of the Organization)	Name of the Equipment	Order No. and date	Quantity of ordered equipment	Value of Purchase order (Rs.)	Date of completion of the delivery	Remarks indicating reasons for late delivery, if any	Has the equipment been satisfactorily functioning? (Attach a certificate from the Purchaser / Consignee if any)

* Note :Please furnish the **purchase order /Contract copies** of the supplies executed serially in support of the information mentioned above.

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

_____

(Organization Seal)

TENDER FORMATS

TENDER ENQUIRY NO.OSH&FWS/2019-20/EQUIP-Skill Lab/2

PRICE BID

(**Separate Price bids** as per Schedule)

==========

National Health Mission,
Annex Building of SIHFW, Nayapalli,
Unit -8, Bhubaneswar-751012

FORMAT – P1

(*To be furnished in the Commercial Bid*)

PRICE BID SUBMISSION FORM

(On the ***letterhead*** of the organization)

[*Location, Date*]

To

Mission Director,
National Health Mission,
Annex Building of SIHFW, Nayapalli,
Unit -8, Bhubaneswar-751012

Re. : Tender Enquiry No. **OSH&FWS/2019-20/EQUIP-Skill Lab/2**

Dear Sir,

We, the undersigned do hereby offer to Supply the Equipments for Skill Lab & other programs in accordance with your Tender referenced above and our Technical Bid.

We hereby declare that if awarded the contract, our Commercial bid shall be binding upon us for a period of one year from the date of submission of bid, subject to the modifications resulting from Contract negotiations you may subsequently carry out with us to accept our proposal.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

(Organization Seal)

FORMAT – P2

(*To be furnished in the Price Bid*)
On the ***letterhead*** of the organization)

PRICE SCHEDULE
(Use this format for **Schedule 1 – Mannequins**

Name of the Mannequin	Make & Model No.	**Unit Price** of the **Mannequin with all accessories (**as mentioned in the technical specification)which **includes** excise duty / customs duty, packing, insurance, **forwarding / transportation (to the consignee places), training** with **comprehensive onsite warranty (as mentioned in technical specification)** but **excludes GST** **Cost in Rs**. (both in words & figures)	GST (if any) **on & above** the basic unit price mentioned in (2) (**% of GST**)
1	**2**	**3**	**4**
			GST (%) :

Note : Use separate Price Formats for each item quoted and sealed them in separate envelops with mention of "Name of Item". All these envelops should be sealed in another outer envelope and superscribed as "Price Bid – Schedule 1".

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

(Organization Seal)

FORMAT – P3

(*To be furnished in the PriceBid*)
On the ***letterhead*** of the organization)

PRICE SCHEDULE
(Use this format for **Schedule 2 – Model & Chart**

Name of the Model / Chart	Make & Model No.	**Unit Price** of the **Model / Chart with all accessories (**as mentioned in the technical specification)which **includes** excise duty / customs duty, packing, insurance, **forwarding / transportation(to the consignee places)** with **comprehensive onsite warranty (as mentioned in technical specification)** but **excludes GST** Cost in Rs. (both in words & figures)	GST (if any) **on & above** the basic unit price mentioned in (2) (**% of GST**)
1	**2**	**3**	**4**
			GST (%) :

Note : Use separate Price Formats for each item quoted and sealed them in separate envelops with mention of "Name of the Item". All these envelops should be sealed in another outer envelope and superscribed as "Price Bid – Schedule 2".

***.**

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

(Organization Seal)

FORMAT – P4 A

(*To be furnished in the Price Bid*)
On the ***letterhead*** of the organization)

PRICE SCHEDULE

(Use this format **Schedule 3 – Instrument Set**)

Name of the KIT	**Price** of **One Set of Instrument with all accessories** (with qty of each items as specified in schedule of requirement) which **includes** excise duty / customs duty, packing, insurance, **forwarding / transportation(to the consignee places)** with **comprehensive onsite warranty (as mentioned in technical specification)** but **excludes GST** Cost in Rs. (both in words & figures)	GST [**on & above** the unit price mentioned in (2)] (Mention the % of GST)
1	**2**	**3**
1 Set of Instrument		GST (%) :

Note : Price of all items of the Instrument set must be quoted

The Price break up of individual items in one set of Instrument (as mentioned in Column 2 above) shall be furnished separately in FORMAT–P4 B. Both the formats (P4A & P4B) shall be put in an envelope and super scribed as "Price Bid – Schedule 3".

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

(Organization Seal)

Date : _____

FORMAT – P4 B

(*To be furnished in the Price Bid*)
On the ***letterhead*** of the organization)
(Use this format **Schedule 3 – Instrument Set**)

PRICE SCHEDULE

PRICE BREAKUP OF ONE INSTRUMENT SET AS MENTIONED IN THE COLUMN 2 OF THE PRICE SCHEDULE AT FORMAT–P4 A

Sl.	Name of the Item	Unit Price (excluding GST)	Qty in one Set	Total Cost (Rs.) excluding GST
	1 Set of **Instrument** consists of the following items :	(a)	(b)	c = (a) x (b)
1	SS Kidney Tray 8"		20	
2	Small S S steel bowl with lid (8")		20	
3	SS tray Big-12"x11" with lid		15	
4	SIMS/Cuscus speculum– Medium		2	
5	Mayo's scissor (curved) - 10"		2	
6	Vulsulum / Tenaculum		2	
7	Uterine sound		2	
8	Anterior vaginal wall retractor		2	
9	Sponge holder (10")		2	
10	Tourniquet		10	
11	Cheattle forceps (10")		4	
12	SS bottle/ narrow mouth container to keep Cheattle forceps		4	
13	Cord clamp		20	
14	Scissors – straight - 8 "		7	
15	Artery Forceps 8"		12	
16	Needle holder 8"		2	
17	Toothed Dissecting forceps 8"		2	
18	Plain Dissecting forceps 8"		2	

19	Episiotomy scissor 6”		2	
20	Small artery forceps 6”		2	
21	Kellys forceps for PPIUCD 12”		2	
		***TOTAL COST of 1 Set of Instrument (Sum of total cost of item Sl. No.1 to 21)**		

Note : Price of all items of the Instrument set must be quoted

*** Total Cost of 1 Set of Instrument should be the same as mentioned in column 2 of the Format –P4 A**

Authorized Signatory [*In full and initials*]: _____

Name and Title of Signatory: _____

Date : _____

(Organization Seal)

Section VI

ANNEXURES

(List of Consignees)

ANNEXURE – 1

SL.	NAME OF THE TRAINING CENTRE	NAME OF THE DISTRICT
1	Capital Hospital	BHUBANESWAR / KHURDA
2	GNM TC, SCB –CUTTACK	CUTTACK
3	GNM TC BERHAMPUR	GANJAM
4	GNM TC NABARANGAPUR	NABARANGAPUR
5	GNM TC KANDHAMAL	KANDHAMAL
6	GNM TC KALAHANDI	KALAHANDI
7	GNM TC DHENKANAL	DHENKANAL
8	GNM TC SUNDERGARH	SUNDERGARH
9	ANM TC BALASORE	BALASORE
10	ANM TC BARIPADA	MAYURBHANJ
11	ANM TC BHAWANIPATNA	KALAHANDI
12	ANM TC BERHAMPUR	GANJAM
13	ANM TC DEOGARH	DEOGARH
14	ANM TC DASPALLA	NAYAGARH
15	ANM TC DHENKANAL	DHENKANAL
16	ANM TC JEYPORE	KORAPUT
17	ANM TC KENDRAPADA	KENDRAPADA
18	ANM TC KANDHAMAL	KANDHAMAL
19	ANM TC KEONJHAR	KEONJHAR
20	ANM TC PURI	PURI
21	ANM TC SUNDARGARH	SUNDARGARH
22	ANM TC SAMBALPUR	SAMBALPUR
23	LHV TC BERHAMPUR	GANJAM
24	ANM TC BOUDH	BOUDH
25	ANM TC SONEPUR	SONEPUR
26	Capital Hospital	Bhubaneswar, Khurda
27	RGH-Rourkela	Rourkela, Sundargarh
28	SCB MCH-Cuttack	Cuttack
29	MKCGMCH-Berhampur	Ganjam
30	VSSMCh-Burla	Sambalpur
31	DHH,SDH & CHC	Angul
32	DHH, SDH & CHC	Balasore
33	DHH, SDH & CHC	Baragarh
34	DHH, SDH & CHC	Bhadrak
35	DHH,SDH & CHC	Bolangir

36	DHH,SDH & CHC	Boudh
37	DHH,SDH & CHC	Cuttack
38	DHH,SDH & CHC	Deogarh
39	DHH,SDH & CHC	Dhenkanal
40	DHH,SDH & CHC	Gajapati
41	DHH,SDH & CHC	Ganjam
42	DHH,SDH & CHC	Jagatsinghpur
43	DHH,SDH & CHC	Jajpur
44	DHH,SDH & CHC	Jharsuguda
45	DHH,SDH & CHC	Kalahandi
46	DHH,SDH & CHC	Kandhamal
47	DHH,SDH & CHC	Kendrapara
48	DHH,SDH & CHC	Keonjhar
49	DHH,SDH & CHC	Khurda
50	DHH,SDH & CHC	Koraput
51	DHH,SDH & CHC	Malkanagiri
52	DHH,SDH & CHC	Mayurbhanj
53	DHH,SDH & CHC	Nawarangpur
54	DHH,SDH & CHC	Nayagarh
55	DHH,SDH & CHC	Nuapada
56	DHH,SDH & CHC	Puri
57	DHH,SDH & CHC	Rayagada
58	DHH,SDH & CHC	Sambalpur
59	DHH,SDH & CHC	Sonepur
60	DHH,SDH & CHC	Sundargarh
61	College of Nursing, Cuttack	SCB,MCH Cuttack
62	College of Nursing, Burla	VIMSAR, Burla
63	ANMTC,	Gajapati
64	ANMTC	Malkanagiri