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No F-8(40) RMSC/EPM/M-5/16-17/NIB-230/ 1993

Dated: 2/5/17

**CLARIFICATION/CORRIGENDUM/ADDENDUM**

Subject: **Amended technical Specifications and other terms and conditions of Bid document EQUIPMENTS OF MANNEQUINS under NIB No. F-8(40) RMSC/EPM/M-5/16-17/NIB-230/1242 Dated: 28.03.2017**

In Reference to above cited subject and NIB-230, the technical specification of items are here by amended as below:-

**Revised Technical Specifications of EQUIPMENTS OF MANNEQUINS**

**General technical specifications for all Mannequins:**

- The color of the mannequin should be simulating Indian babies/adult in medium skin tones.
- The material of the mannequin should be of polyvinyl and silicon rubber free from any carcinogenic agents.
- The texture of the mannequin should be soft and smooth and close to the feel of baby/adult skin as relevant. The texture must be friction free to demonstrate the desired procedure.
- The internal parts of mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
- The mannequins must be portable and any fittings used in mannequins must be of aluminium or polycarbonate or equivalent.
- The mannequin's durability must be of minimum 3 years.
- The material of the mannequin should withstand extremes of temperature (up to 45 degree Celsius).
- The supplier must ensure manufacturer's guarantee against for the specification and also manufacturing defects.
- All mannequins should include a soft/Hard Carrying Case and study questions, Dos and Don'ts, instructions manual, maintenance guide, background information, videotape for demonstrating the use of mannequin, User manual with troubleshooting guidance, technical manual with maintenance and first line technical intervention instructions and any other relevant teaching/training materials in English.
- The mannequins should have additional accessories as listed and also talcum powder or silicone gel to avoid friction, list of accessories and spare parts with cost and contact details of its supplier preferably within State.

**1. Preterm Newborn Simulation Mannequin**

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

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- iii. Storage bag and trap
- iv. Diaper
- v. Training stethoscope
- vi. Newborn care wrap
- vii. Preterm cap

**2. Essential New Born care & Resuscitation Mannequin**

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

**3. Mannequin for Simulation of Normal Delivery and Management of PPH:**

- a) The mannequin should be highly realistic for simulating postpartum haemorrhage.
- b) The mannequin should have features to manually control the amount of bleeding and the conditions of uterus.
- c) The mannequin should have features to control dilation of the cervix.
- d) **The mannequin should have the following.**
  - i. Full term fetus with placenta and umbilical cord.
  - ii. Blood concentrate.
  - iii. Fluid collection tray.
  - iv. Fluid drain.
  - v. Urine catheter.
  - vi. 20 ml syringe.
  - vii. Carrying bag.
- e) **The mannequin should have features for training the Following.**
  - i. Urine catheterization.
  - ii. Normal delivery.
  - iii. Complete and Incomplete placenta delivery.
  - iv. Oxytocin injection.
  - v. Controlled cord traction.
  - vi. Bimanual compression of uterus.

**4. 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 term of shape and anatomical parts. It should ideally be of neoprene fabric/ Silicon, silicone nipples and facility to sharp it on a person.
- c) The color of the simulator should ideally be skin tone natural.
- d) The simulator should have water 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. 30ml cup
  - ii. Transport/ Storage bag
  - iii. Directions for Use

**5. KMC wrap (Normal New Born Baby Mannequins)**

- a) KMC wrap should be made of absorbent and washable fabric strong enough to bear the weight of approximately 2-2.5 kg new born.
- b) It should have provision to hold the pre-term baby against the mother's chest covering the baby and mothers chest fully from the front.
- c) It should have straps at the bottom and top end that can be fastened to secure the baby against the breasts of the mother.
- d) The Straps should be adjustable to accommodate various sizes and body shapes.
- e) The wrap should include the following:
  - i. Directions for use in pictorial

**6. PPIUCD insertion Mannequin**

- a) The mannequin should represent simplified human anatomical model of postpartum uterus afterbirth.
- b) The mannequin should enable teaching and practice of insertion of the post partumintrauterine device and cervical and vaginal inspection.
- c) The model should be easy to transport and store, durable, affordable and easy to use. .
- d) The mannequin should be highly realistic especially in the feel of fundus and the cervical vaginal angle to enable high fidelity training in various postpartum uterine interventions.
- e) The product should be easy to clean and maintain

**Other terms and conditions:**

- a) Manufacturer should be ISO 13485 certified (valid documentation should be submitted in technical bid).
- b) Guarantee: should be three years for all mannequins from the date of successful installation at consignees address.
- c) Final Technical approval after demonstration.
- d) The bidder should submit the list of technical service providers in Rajasthan with their name, address and contact number in technical bid.
- e) Installation will be done by supplier free of cost.
- f) Training shall be provided by Successful bidder at the time of installation free of cost.
- g) The Company should submit technical compliance sheet as per technical specifications mentioning the make and model of quoted item along with catalogue in technical bid.

**Note: Please note that all above amendments/corrigendum in technical specifications/bid conditions is the integral part of the bid document. This corrigendum/ addendum should be signed and annexed with bid document.**

**All other terms and conditions of bid shall remain the same.**

This bears the approval of M.D., RMSCL, Jaipur.

  
Executive Director (EPM)  
RMSCL, Jaipur



