

## TECHNICAL SPECIFICATIONS

### PRETERM NEWBORN SIMULATION MANNEQUIN

- Breastfeeding Simulator should be a wearable simulator that allows highly realistic simulation of breast feeding technique, breastmilk expression and Kangaroo Mother Care.
- 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, silicone nipples and facility to sharp it on a person.
- The color of the simulator should ideally be skin tone natural.
- 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.
- The Breast feeding simulator should include the following:
  - 30ml cup
  - Transport/ Storage bag
  - Directions for Use

#### **General technical specifications for all Mannequins:**

- The color of the mannequin should be in Caucasian simulating Indian babies/adult in medium skin tones.
- The material of the mannequin should be of polyvinyl and silicon rubber free from any carcinogenic agents.
- The texture of the mannequin should be soft and smooth and close to the feel of baby/adult skim 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

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details of its supplier preferably within State.

**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 successfully 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.

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.

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**Executive Director (EPM)**  
**Rajasthan Medical Services Corporation Ltd.,**  
**Jaipur**