

## TECHNICAL SPECIFICATIONS

### 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 a uterus, airbag reservoir and urine bladder and should have features to manually control the amount of bleeding and the conditions of uterus.
- c) The mannequins should have the following:
  - i. Full term foetus with placement and umbilical cord
  - ii. Storage tank for blood simulation fluid
  - iii. Blood concentrate
  - iv. Fluid collection drain
  - v. Floor protector
  - vi. Urine catheter
  - vii. 20ml syringe
  - viii. Carrying bag
  - ix. Long elbow length gloves
  - x. Encircling cervical ribbon to stimulate anterior fornix
- d) The mannequin should have features for training the followings:
  - i. Urine catheterization.
  - ii. Normal delivery, breech delivery.
  - iii. Complete and Incomplete placenta delivery.
  - iv. Oxytocin injection.
  - v. Controlled cord traction.
  - vi. Bimanual compression of uterus

#### **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 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.

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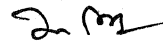
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**Other terms and conditions:**

- 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**