

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

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

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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**