



Date: **26/02/2025**

**WMS/NIQ No: AIIMS/MG/Procurement/06/ Full Body pregnancy simulator/Department - College of Nursing.**

**Sub: -“NIQ for Supply of Full Body pregnancy simulator” at AIIMS Mangalagiri.**

### **Notice Inviting Quotations**

On behalf of The Executive Director, AIIMS Mangalagiri Quotations are invited with price bid and other documents from eligible Manufacturers/ Firms/ Companies/ Authorized Agents/ Distributors/ Dealers/ Supplier Agencies for **“Supply of Embryonic/Fetal Development Model” at AIIMS Mangalagiri**, as per specified terms and conditions.

#### **1. Schedule of Requirement: -**

S.No	Description of Items	Required Quantity
1.	Full Body pregnancy simulator	01 No

#### **II. Technical Specifications**

Full body pregnancy simulator

1. Maternal-fetal simulator complete with anatomically/realistic mother and fetus for comprehensive training in prenatal care, labor and delivery and post partum care
2. The maternal fetal simulator should be wireless, high fidelity simulator with an automated delivery mechanism and maternal aesthetics like a real patient
3. All maneuvers & interventions should result in appropriate patient response automatically based on underline physiology of patient without any input from the instructor
4. Birthing simulator should included a birthing fetus and a second fetus especially designed for leopolds maneuver without connection ports on the head or buttocks
5. Simulator should support full maternal code as a non gravid patient and should be applied with non gravid abdomen and scenarios for the same.

Features

- It should have realistic birth canal with vulva/perineum supporting accurate fetal descent and rotation
- Should provide multiple birthing position lithotomy, sitting and all fours
- Should allow vaginal examination for evaluation of fetal station, cervix, position
- Should have static services representing various stages of dilation
- Should have palpable uterine contraction which can be detected by palpating the fundus
- Should have facility to allow instructors to control the rate and duration of contractions
- Birthing fetus should not have any connection part at the head or buttocks for realistic presentation during both vertex and breech presentation
- Fetus should have open mouth for meconium removal and cyanosis treatment
- Fetus should have customized fetus for leopolds maneuver with hard head and soft buttocks
- Should support and detect McRobert maneuver
- Should have observable pelvis which should be registered in event log
- Should support and detect suprapubic pressure with palpable symphysis pubis
- Should simulate realistic shoulder dystocia due to realistic pelvic bone movement and should be resolved once posterior arm is extended

- Should have fetal heart sounds – 4 location
- Should have articulated fetal body neck, shoulders, elbow, lips and knees
- Should have clinically accurate fetal size with tactile realism
- Fetus with palpable fontanel and sagittal suture
- Should allow forceps application
- Should allow vacuum extraction without fetal cap
- Should display predicted 1 minute and 5 minute APGAR scores based on integrated maternal and- fetal physiology.
- Should stimulate post partum hemorrhage
- Should allow for assessment of uterine atony
- Should have facility bimanual compression and uterine massage detection Umbilical cord can be cut and clamped
- Episiotomy should be possible
- Should have intact/fragmented placenta with colour, texture, and flexibility can be delivered with gentle traction.

### **Control system**

It comprised of instructors wireless remote control capable driving all software programme.

Instructor wireless remote control must be expandable for future software up gradation

1. Wireless maternal mannequin-1
2. Fetus for Leopold's maneuvers-01
3. Abdominal for labor
4. Abdominal post for labor
5. Static cervixes for vaginal examination-1
6. Instructor wireless laptop-1
7. Simulated CTG monitor-01

### **Comprehensive Warranty of 5 Years.**

### **III. Terms and Conditions**

1. The sealed quotation must have valid GST number
2. Rates quoted must include all types of taxes and other possible expenses. No other charges will be considered.
3. The payments will be made against delivery item with valid invoice and E-way bill through electronically viz RTGS/NEFT. The following information also to be mentioned in the quotation.
  - a. Name of the beneficiary:
  - b. Account No. of the beneficiary:
  - c. IFSC of the bank/branch:

**d). Delivery period:** Delivery period of the items shall be **10 days** from the issue of supply order. In the event of any deviation, the supply order may be cancelled.

**e).** The quotations will be **opened on 03/03/2025, 03:00 PM** at Opp: Mortuary Complex Block, Logistics Building No.5, 2<sup>nd</sup> Floor, Room No.2151 AIIMS Mangalagiri.

**f).** Vendors requested to attend at time of opening of bid.

**g). Penalty:** Penalty @ **0.50% per week** will be levied for late delivery on supply order value of the item and will be deducted from the payment Bill. The maximum penalty will be **10 %** of total value against any of Purchase/Supply Order total value.

**h). Warranty Period:** Should be clearly mentioned in the quotation as per the OEM or company norms.

**i). Price Quotation:** Cannot exceed **Rs 5 Lakhs**.

**j) Price Validity:** The quoted prices should remain valid for a period of **180 days** from date of opening of NIQ.

**k).** The outer envelope should be super scripted as “**Supply of Full Body pregnancy simulator**” at **AIIMS Mangalagiri**.

**IV.** The duly sealed and super scribed Quotations should reach **Procurement Cell, Opp: Mortuary Complex, Logistics Building No-5, Room No. 2151, AIIMS Mangalagiri, Guntur-522503** by **01:00 PM** on **01/03/2025**.

Sd/-  
AAO (Procurement)  
AIIMS, Mangalagiri