TECHNICAL SPECIFICATIONS OF MIDWIFERY LED CARE UNIT EQUIPMENT

Contents

LOW-COST ITEMS FOR MIDWIFERY LED CARE UNIT

Sl. No.	Title	Indicative price (INR)	Specifications
1	Gym Ball 	2000-3000	• Standard Size:55 cm/ 65cm/75cm/ 85 cm • Material: Non-toxic PVC/ Rubber • Weight holding capacity: upto 150 Kg. • Anti-burst mechanism and stable valve. • Should be supplied with adaptor and manual pump.
2	Peanut Ball 	1500 – 3000	• Size: 45 cm/ 55cm/ 65cm • Material: Non-toxic PVC/ Rubber • Weight holding capacity: upto 150 Kg. • Anti-burst mechanism and stable valve. • Should be supplied with adaptor and manual pump.
3	Yoga Mat 	500 – 1000	• Size: 170 x 70 cm (L x W) or more • Material: soft and non-slippery top surface with good grip • Skin friendly non-toxic durable, light weight • Portability: Easily foldable/ rollable durable material

4	Rebozo with Ceiling hook 	1000-1500	• Material: High tensile strength soft cotton • Weight/ Load Capacity: Should be able to hold weight upto 150 Kg.
5	Armless Chair	1000 – 2000	Furniture item. NA
6	Wooden Rolling Pin for acupressure 	100-200	• Material: Non-Traumatic material
7	Hot Gel based Packs 	250-500	• Electric warm gel bag with auto cut • Material: Natural rubber latex • Capacity: 1000ml - 1500 ml • Portability: Easy to carry
8	Bean Bag 	1500-2500	• Size: Height: 125-150 cm Width: 120-140 cm • Material: Should be waterproof and washable • Weight holding capacity: upto 150 kg.
9	Floor Mat 	1000-1500	• Size: 180 x 120 cm • Material: Soft and non-slippery top surface with good grip • Should be foldable in 3-sections.
10	Cold pack bag 	200-300	• Type: Pouch type sealed container • Reusable • Easy to carry with no leakage.

11	Wall Clock  	500 – 2000	• Battery-operated digital Wall clock.

FOETAL DOPPLER		
Version		02
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Foetal Doppler System
GMDN code(s)		34040
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used noninvasively to detect foetal heart beats using Ultrasound/Doppler technology. The heart beats are typically conveyed audibly via the measuring/display unit and attached probe which is applied to the surface of the pregnant woman's abdomen.
1.2	**Used by clinical department/ward**	Midwifery Led Care Unit/Obstetric/ANC Clinic
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• It should measure fetal heart rate (FHR) accurately. • It should have backlit digital display. • The probe should be highly sensible to pick up FHR. • The probe should be waterproof. • Probe (transducer) with 2-5 MHz frequency attached via a cable. • It should give indication for low battery. • It should have built-in-speaker with volume adjustment. • Built-in rechargeable Li-on battery with minimum back up of 6-8 Hrs.
2.2	**User's interface**	Backlit Digital Display

2.3	**Software and/or standard of communication(wherever required)**	NA
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBA),**	Noise: <60dBA
3.4	**Heat dissipation**	NA
3.5	**Mobility, portability**	Yes, Handheld device
4. ENERGY SOURCE		
4.1	**Power Requirements**	220 V +/- 10% AC, 50 Hz
4.2	**Battery operated**	Built-in rechargeable battery with minimum backup of 6-8 hr.
4.3	**Power Consumption**	To be specified by manufacturer
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories (mandatory, standard, optional);** **Spare parts (main ones);** **Consumables / reagents (open, closed system)**	Doppler probe, battery charger, Gel for application of probe.
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	To be specified by manufacturer.

7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards. • Should conform to IEC 60601-1-General requirements of Electrical Safety Standards
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	Supplier to perform safety and operation check before hand over.
8.3	**Training of staff (medical, paramedical, technicians)**	Training of users in operation and basic maintenance shall be provided.
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	05 years
10. DOCUMENTATION		
10.1	**Operating manuals, set manuals, other manuals**	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. 2. Service and operation manuals (original and Copy) to be provided. 3. Satisfactory certificate for any existing installation from government hospital.
10.2	**Other accompanying documents**	List of essential spares and accessories, with their part number and cost.
11. NOTES		
11.1	**Service Support Contact details (Hierarchy Wise;**	Contact details of manufacturer, supplier and local service agent to be provided.

	including a toll free/landline number)	
11.2	**Recommendations or warnings**	Any warning sign should be adequately displayed.
Discovered cost on GeM/ IndiaMART		**INR 3000 – INR 5000**

SPHYGMOMANOMETER (DIGITAL)		
Version no. :		2.0
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Automatic-inflation electronic sphygmomanometer, portable, arm/wrist
GMDN code(s)		45617
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used noninvasively to measure blood pressure using a self-contained software program that regulates automatic arm/wrist-cuff inflation and measurement cycles.
1.2	**Used by clinical department/ward**	All Clinical Departments
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Should be able to measure blood pressure and pulse rate in adult patients. • Should be based on oscillometric measurement technology, using dynamic linear deflation method. • Should have backlit digital display with easy to view readings in dim light. • Pressure measurement range should be 60 to 250 mm Hg systolic, and 40 to 200mm Hg diastolic. • Pressure display accuracy of +/- 2 to 3 mm Hg • Pulse rate measurement range of 40 to 220 per minute • Pulse measurement accuracy of within +/- 5% • Single button operation for start and stop functions with auto-inflation of blood pressure cuff. • The device should have rechargeable battery.
2.2	**User's interface**	Digital display

2.3	**Software and/or standard of communication (wherever required)**	In-built
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.4	**Noise (in dBA), heat dissipation**	NA
3.5	**Mobility, portability**	Portable
4. ENERGY SOURCE		
4.1	**Power Requirements**	NA
4.2	**Battery operated**	Yes
4.3	**Power Consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories (mandatory, standard, optional)** **Spare parts (main ones);** **Consumables / reagents (open, closed system)**	• Adult arm cuffs of size small, medium, large & extra-large and inflation bulb, tubing • Battery Charger
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	Capable of easy disinfection.
7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary, ...); Performance and safety standards (specific to the device type); Local and/or international**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.

8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	Supplier to perform safety and operation checks before handover.
8.3	**Training of staff (medical, paramedical, technicians)**	Training of users in operation and basic maintenance shall be provided.
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 years
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams; 2. Certificate of calibration and validation to be provided.
10.2	**Other accompanying documents**	List of essential spares and accessories, with their part number and cost.
11. NOTES		
11.1	**Service Support Contact details (Hierchy Wise; including a toll free/ landline number)**	Contact details of manufacturer, supplier and local service agent to be provided.
11.2	**Recommendations or warnings**	Any warning sign should be adequately displayed.
Discovered cost on GeM/ IndiaMART		INR 2000 – INR 3000

BABY WEIGHING SCALE		
Version no.:		2.0
Date:		14/02/2023
Done by: (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Infant Scale, Electronic
GMDN code(s)		35324
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used to measure the weight of an infant, particularly a newborn, or to monitor weight changes.
1.2	**Used by clinical department/ ward**	Midwifery Led Care Unit/NICU/SNCU/PICU
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Tabletop, light, portable and digital precision weighing scale. • Should have easy to read backlit digital display. • Weight displays up to 2 decimal point in kg/gm. • Weighing pan should be skin friendly, non-toxic durable material suitable for weighing newborn babies and the construction should not allow the baby to slip from the tray. • The Tray should be made of ABS/ Acrylic and must be devoid of any sharp edges. • Easy to clean baby tray. • Zero weight adjustment facility. • Quick, clear digital read outs. • Measurement does not change with position of baby on the pan. • Provision to measure the length of the baby in its laying position.

		• Accuracy: +/- 5 mg, Measuring limit: 10 gm to 20 kg. • Built in rechargeable battery/ AC mains.
2.2	**User's interface**	Backlit digital display
2.3	**Software and/or standard of communication(whe rever required)**	NA
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	Pan size : 500-550 mm x 300-350 mm x 80-100 mm
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dba)**	NA
3.4	**Heat dissipation**	NA
3.5	**Mobility, portability**	Portable
4. ENERGY SOURCE		
4.1	**Power requirements**	220 V AC +/- 10%, 50 Hz
4.2	**Battery operated**	Built in rechargeable battery /AC mains
4.3	**Protection**	NA
4.4	**Power consumption**	To be specified by the manufacturer
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories (mandatory, standard, optional);Spare parts (main ones); Consumables / reagents (open, closed system)**	NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	**Atmosphere / ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, cleaning, Disinfection & sterility issues**	Parts of the device that are designed to come into contact with the patient or the operator should be capable of easy disinfection.

7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary, ..); performance and safety standards (specific to the device type); local and/or international**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	To be specified by manufacturer and compatible electrical accessories as per Indian standard set-up.
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 years
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. 2. List of equipment and procedures required for local calibration and routine maintenance. 3. Satisfactory certificate for any existing installation from government hospital.
10.2	**Other accompanying documents**	NA
11. NOTES		
11.1	**Service support contact details (hierchy Wise; including a toll free/landline number)**	Contact details of manufacturer, supplier and local service agent to be provided.

11.2	**Recommendations or warnings**	Any warning sign should be adequately displayed.
Discovered cost on GeM/ IndiaMART		INR 5000 – INR 10000

MOBILE SPOTLIGHT		
Version no. :		Ver.-2
Date:		14/02/2023
Done by : (Name/Institution)		HCT/NHSRC
NAME, CATEGORY AND CODING		
GMDN name		Mobile Examination/Treatment Room Light
GMDN code(s)		36843
GENERAL		
1. USE		
1.1	Clinical purpose	A mobile device is used to provide light to illuminate a site of patient examination and/or treatment.
1.2	Used by clinical department/ward	Labour Room/Midwifery Led Care Unit/Minor OT
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	Technical characteristics (specific to this type of device)	• Should use a LED light source. • It should have variable light intensity upto 50000 Lux. • Knob or buttons for adjusting the light intensity between 20,000 to 50,000 Lux. • Lifespan of LED lamp should not be less than 30000 hours. • It should have wide field size of illumination. • Arm should be adjustable horizontally, vertically and easy to focus on all directions. • It should have an on/off switch. • The stand should be heavy, and it should have 360 deg roller wheels (Angular/SS MS-304) with locking mechanism.
2.2	User's interface	Manual
2.3	Software and/or standard of communication (wherever required	Not required
3. PHYSICAL CHARACTERISTICS		
3.1	Dimensions(metric)	Height should be adjustable.

3.2	Weight (lbs, kg)	NA
3.3	Noise (in dBA)	NA
3.4	Heat dissipation	NA
3.5	Mobility, portability	Mobile
4. ENERGY SOURCE		
4.1	Power requirements	220 V +/- 10% AC, 50 Hz
4.2	Battery operated	Yes, Minimum backup time of 02 hour
4.3	Protection	NA
4.4	Power consumption	To be specified by manufacturer
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	Accessories, (mandatory, standard, optional); Spare parts (main ones); Consumables/reagents (open, closed system)	Not required.
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	Atmosphere/Ambiance (air conditioning, humidity, dust …)	NA
6.2	User's care, Cleaning, Disinfection & Sterility issues	Easy to clean.
7. STANDARDS AND SAFETY		
7.1	Certificates (pre-market, sanitary); Performance and safety standards (specific to the device type); Local and/or international	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards. • Should conform to IEC 60601-1-General requirements of Electrical Safety Standards.
8. TRAINING AND INSTALLATION		
8.1	Pre- installation requirements: nature, values, quality, tolerance	Compatible electrical accessories as per standard Indian set-up.
8.2	Requirements for sign-off	Supplier to perform safety and operation check before handover.

8.3	Training of staff (medical, paramedical, technicians)	NA
9. WARRANTY AND MAINTENANCE		
9.1	Warranty	05 years
10. DOCUMENTATION		
10.1	Operating manuals, set manuals, other manuals	One copy (hard copy and soft copy) to be provided on user manual/ operating manual and service/Technical manual.
10.2	Other accompanying documents	List of essential accessories and cost should be quoted.
11. NOTES		
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/ landline number)	Contact details of manufacturer, supplier and local service agent to be provided.
11.2	Recommendations or warnings	Any warning sign should be adequately displayed on equipment.
Discovered cost on GeM/ IndiaMART		INR 5000 – INR 10000

STETHOSCOPE		
Version no.:		2.0
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Mechanical Stethoscope
GMDN code(s)		13755
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used for listening to sounds from the heart, lungs, and/or gastrointestinal tract. It typically comprises a membrane at the listening head connected by a split "Y" tube to the headgear with ear olives that are placed into the users' ears.
1.2	**Used by clinical department/ward**	All Departments
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	1. Should have single lumen binaural. 2. Latex free Polyvinyl chloride (PVC) stethoscope tubing, soft and should not harden/crack. 3. Tube should be impervious to outside noises. 4. Earpieces (02) should be with soft sealing ear tips and easy to stay fixed in ears. 5. Earpiece material: Soft PVC/Silicone preferably. 6. Should have good quality and highly sensitive fixed/floating diaphragm. 7. Dual head: Cup/ bell for low frequency sounds, sensitive membrane for skin contact.
2.2	**User's interface**	Manual
2.3	**Software and/or standard of communication (wherever required)**	NA
3. PHYSICAL CHARACTERISTICS		

3.1	**Dimensions (metric)**	Tube length – 55 cm minimum
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBA)**	NA
3.4	**heat dissipation**	NA
3.5	**Mobility, portability**	Portable
4. ENERGY SOURCE		
4.1	**Power Requirements**	NA
4.2	**Battery operated**	NA
4.3	**Protection**	NA
4.4	**Power consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories& Spares; Consumables / reagents (open, closed system);**	1 x spare set of earpieces, 1 x spare diaphragm.
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	NA
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	NA
7. STANDARDS AND SAFETY		
7.1	**Certifications**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA

8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 Year
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	NA
10.2	**Other accompanying documents**	NA
11. NOTES		
11.1	**Service Support Contact details (Hierchy Wise; including a toll free/ landline number)**	NA
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		INR 1000 – INR 1500

PULSE OXIMETER-TABLE TOP		
Version no. :		2.0
Date:		14/02/2023
Done by : (name / institution)		HCT/NHSRC
NAME AND CODING		
GMDN name		Pulse oximeter
GMDN code(s)		45607
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used for the transcutaneous measurement and display of haemoglobin oxygen saturation (SpO2). The signals are produced by light-emitting diodes (LEDs) and received by a photodetector. The device displays the SpO2 values and may also measure and display pulse rate.
1.2	**Used by clinical department/ward**	All Departments
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Should be a portable, light weight, desktop model with adult, paediatric and neonatal finger probes. • Should have digital display with parameters: SpO2, pulse rate, plethysmograph waveform, alarm message and battery state indication. • SpO2 detection range to include: 70–100% • SpO2 resolution: 1% or less • Accuracy of SpO2 should be within +/-3% • SpO2 probes should be reusable. • Pulse rate range detection range to include: 30-240 beats per minute (bpm). • Pulse rate accuracy: within ± 3 bpm. • Pulse rate resolution: 1 bpm or less • Audio and visual alarms required: high and low SpO2 and pulse rate (operator variable settings), sensor disconnected, sensor failure, low battery.

		• Suitable for detection in low perfusion conditions. • Should have a minimum of 02 hours back-up time. • Should have trend data of at least 36 hrs.
2.2	**User's interface**	Digital display and easily accessible buttons to operate the machine.
2.3	**Software and/or standard of communication (wherever required)**	In built.
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	Light weight
3.3	**Noise (in dBA)**	<60dBA
3.4	**Heat dissipation**	Should be dispersed through exhaust.
3.5	**Mobility, Portability**	Mobile
4. ENERGY SOURCE		
4.1	**Power Requirements**	220 V +/- 10% AC, 50 Hz
4.2	**Battery operated**	Yes, with minimum backup time of 02 hour
4.3	**Power consumption**	To be specified by manufacturer
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories & Spares parts; Consumables / reagents (open, closed system)**	Two reusable probes each for adult, paediatric and infant use
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	Part of the device that are designed to come into contact with the patient or the operator should be capable of easy disinfection.

7. STANDARDS AND SAFETY		
7.1	**Certifications**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards. • Should conform to IEC 60601-1-General requirements of Electrical Safety Standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	Electrical accessories as per standard Indian set-up
8.2	**Requirements for sign-off**	Supplier to perform installation, safety and operation checks before handover. Local clinical staff to affirm completion of installation.
8.3	**Training of staff (medical, paramedical, technicians)**	Training of users in operation and basic maintenance shall be provided.
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	05 years
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. 2. List of equipment and procedures required for local calibration and routine maintenance. 3. Satisfactory certificate for any existing installation from government hospital.
10.2	**Other accompanying documents**	List of essential spares and accessories, with their part number and cost.
11. NOTES		
11.1	**Service Support Contact details (Hierarchy Wise; including a toll free/ landline number)**	Contact details of manufacturer, supplier and local service agent to be provided.

11.2	**Recommendations or warnings**	Any recommendations for best use and supplementary warning for safety should be displayed.
Discovered cost on GeM/ IndiaMART		INR 30000 – INR 50000

PULSE OXIMETER-FINGER TIP		
Version no.:		1.0
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Pulse oximeter
GMDN code(s)		45607
GENERAL		
1. USE		
1.1	**Clinical purpose**	It is used for the transcutaneous measurement and display of haemoglobin oxygen saturation (SpO2). The signals are produced by light-emitting diodes (LEDs) and received by a photodetector. The device displays the SpO2 values and may also measure/display pulse rate.
1.2	**Used by clinical department/ward**	All Departments
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Should measure SpO2 and pulse rate for adults and children, for all skin pigmentations. • SpO2 detection range to include: 70–100%. • SpO2 resolution: 1% or less. • SpO2 accuracy should be within ± 3%. • Pulse rate detection range to include: 30–240 beats per minute (bpm). • Pulse rate resolution: 1 bpm or less. • Pulse rate accuracy: within ± 3 bpm. • Digital display for SpO2, pulse rate, sensor error or disconnect and low battery status. • Suitable for detection in low perfusion conditions.
2.2	**User's interface**	Manual
2.3	**Software and/or standard of communication (wherever required)**	NA
3. PHYSICAL CHARACTERISTICS		

3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBA)**	NA
3.4	**heat dissipation**	NA
3.5	**Mobility, portability**	Portable
4. ENERGY SOURCE		
4.1	**Power Requirements**	NA
4.2	**Battery operated**	Yes
4.3	**Protection**	NA
4.4	**Power consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories& Spares; Consumables / reagents (open, closed system);**	NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	Easy to clean.
7. STANDARDS AND SAFETY		
7.1	**Certifications**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA

8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 Year
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	User manual to be provided in English/Hindi language along with machine diagram.
10.2	**Other accompanying documents**	NA
11. NOTES		
11.1	**Service Support Contact details (Hierchy Wise; including a toll free/ landline number)**	NA
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		INR 1000 – INR 3000

DIGITAL THERMOMETER		
Version no.:		2
Date:		14/02/2023
Done by : (Name / Institution)		HCT,NHSRC
NAME AND CODING		
GMDN name		Intermittent Electronic Patient Thermometer
GMDN code(s)		14035
GENERAL		
1. USE		
1.1	**Clinical purpose**	A hand-held non-mercury digital thermometer (battery-powered, electronic instrument) is used to measure a patient's body temperature.
1.2	**Used by clinical department/ ward**	All Clinical Departments
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Range of temperature measurement 32 deg C- 42 deg C (89.60F-109.40F). • Accuracy of temperature ± 0.1degC or ± 0.2 F. • Should have digital display with temperature showing in both Centigrade and Fahrenheit interchangeable mode using a button. • Beep sound when final steady temperature arrived during test. • Buzzer alert function for indicating low (< 35 deg C /95 deg F) for hypothermia and high (> 42 deg C/ 106 deg F) temperature for hyperthermia. • Takes 60-90 seconds to measure temperature. • Can be used in the armpit/axilla, orally and rectally. • Should have auto shut down feature for remaining idle for more than 1 minute.
2.2	**User's interface**	Digital display

2.3	**Software and/or standard of communication (wherever required)**	NA
	3. PHYSICAL CHARACTERISTICS	
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.4	**Noise (in dba)**	NA
3.5	**Heat dissipation**	NA
3.6	**Mobility, portability**	Portable
	4. ENERGY SOURCE	
4.1	**Power requirements**	NA
4.2	**Battery operated**	Yes
4.4	**Protection**	NA
4.5	**Power consumption**	NA
	5. ACCESSORIES, SPARE PARTS, CONSUMABLES	
5.1	**Accessories (mandatory, standard, optional)**	NA
	6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS	
6.1	**Atmosphere / ambiance (air conditioning, humidity, dust ...)**	Capable of operating in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, cleaning, Disinfection & sterility issues**	To be specified by manufacturer.
	7. STANDARDS AND SAFETY	
7.1	**Certificates (pre-market, sanitary, ..); performance and safety standards (specific to the device type); local and/or international**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.

8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 year
10. DOCUMENTATION		
10	**Operating manuals, service manuals, other manuals**	NA
11. NOTES		
11.1	**Service support contact details (hierchy Wise; including a toll free/landline number)**	Contact details of manufacturer and supplier should be provided.
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		INR 200 – INR 500

GLUCOMETER HAND-HELD		
Version no. :		2.0
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		Glucose analyser IVD, point-of-care
GMDN code(s)		62646
GENERAL		
1. USE		
1.1	**Clinical purpose**	A point-of-care device used by medical professionals for the quantitative in vitro measurement of glucose levels in whole blood.
1.2	**Used by clinical department/ward**	All Clinical Departments
TECHNICAL		
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Test strips-based device using electrochemical technology for measurement of plasma glucose. • Should be able to read test strips of different make (open system) • Automatic retraction of needle in to casing after sampling and lancet should be removable. • The lancet pen should have adjustable penetration depth. • Should indicate sugar levels in mg/dl. • Capable to do more than 1000 test results on one battery. • Memory Capacity: 300 or more results preferably. • Accuracy: +/- 3% or better • Reading time of device: 5 seconds approx.
2.3	**User's interface**	Digital display

2.4	**Software and/or standard of communication (wherever required)**	NA
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBA), heat dissipation**	NA
3.4	**Mobility, portability**	Handheld, Portable device
4. ENERGY SOURCE		
4.1	**Power Requirements**	Battery powered.
4.2	**Battery operated**	Yes
4.3	**Protection**	NA
4.4	**Power consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories & Spare parts; Consumables / reagents (open, closed system)**	Glucose strips with shelf life of minimum 01 year.
6.ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity upto 90% in ideal circumstances.
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	NA
7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary, ...); Performance and safety standards (specific to the device type); Local and/or international**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		

8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	Training of staff in basic operation and maintenance.
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	01 year
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. 2. List of equipment and procedures required for local calibration and routine maintenance. 3. Certificate of calibration and validation to be provided.
10.2	**Other accompanying documents**	NA
11. NOTES		
11.1	**Service Support Contact details (Hierchy Wise; including a toll free/ landline number)**	Contact details of manufacturer, supplier and local service agent to be provided.
11.2	**Recommendations or warnings**	NA
Discovered Cost on GeM		INR 2000 – INR 3000

NEONATAL RESUSCITATION KIT		
Version no.:		01
Date:		14/02/2023
Done by : (name / institution)		HCT/NHSRC
NAME AND CODING		
GMDN name		Cardiopulmonary Resuscitation Kit, reusable
GMDN code(s)		36690
GENERAL		
1. USE		
1.1	**Clinical purpose**	A collection of items in a portable case intended for cardiopulmonary resuscitation (e.g., emergency pharmaceuticals, airway tubes, face masks or resuscitator).
1.2	**Used by clinical department/ ward**	Midwifery Led Care Unit/NICU/PICU
TECHNICAL		
2. TECHNICAL CHARACTERICSTICS		
2.1	**Technical characteristics (specific to this type of device)**	• **Neonatal Ambu Bag:** Rugged, 100% Autoclavable, reusable 250 ml silicon bellow with rebreathing valve and face mask, foldable, 360 deg swiveling patient standard connector, reservoir bag and 1.5 mtr PVC oxygen tubing – 01 unit. • Silicon face mask size: 0 & 1 • Paediatric laryngoscope set with three mat finish LED blades: Handle with cell – 01 no. SS Blade Size 0 & 1 (01 No each) • Foot suction compact light weight & easy to operate durable rubber bellow, long lasting stain less steel spring to provide free pumping, autoclavable vacuum Jar 500 ml capacity, 3 mtr suction tube with suction tip. • Silicon airway size 0, 00 & 000 and laryngeal mask airway (LMA) silicon size 1, 1.5, 2 & 2.5, flexible and disposable (01 No each). • Cuffed E.T tube with variable sizes: 2.5, 3, 3.5, 4 & 4.5.

		• Mouth Opener
2.2	**User's interface**	Manual
2.3	**Software and/or standard of communication (wherever required)**	NA
	3. PHYSICAL CHARACTERICSTICS	
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBa)**	NA
3.4	**Heat dissipation**	NA
3.5	**Mobility, portability**	Portable
	4. ENERGY SOURCE	
4.1	**Power Requirements**	NA
4.2	**Battery operated**	NA
4.4	**Protection**	NA
4.5	**Power consumption**	NA
	5. ACCESSORIES, SPARE PARTS, CONSUMABLES	
5.1	**Accessories (mandatory, standard, optional);** **Spare parts (main ones);** **Consumables / reagents (open, closed system)**	Face masks (2 pairs) of each size: 0 & 1
	6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS	
6.1	**Atmosphere / ambiance (air conditioning, humidity, dust ...)**	NA
6.2	**User's care, cleaning, Disinfection & sterility issues**	To be specified by manufacturer.
	7. STANDARDS AND SAFETY	
7.1	**Certificates (pre-market, sanitary..); performance and safety standards (specific to**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards.

	the device type); local and/or international	• Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	NA
10. DOCUMENTATION		
10	**Operating manuals, service manuals, other manuals**	NA
11. NOTES		
11.1	**Service support contact details (hierarchy wise; including a toll free/landline number)**	NA
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		N/A

BASIN BOWL		
Version no.:		01
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		General purpose bowl, reusable
GMDN code(s)		42893
GENERAL		
1. USE		
1.1	**Clinical purpose**	A bowl or basin designed to be used for a variety of medical purposes such as containing fluids, carrying or holding instruments prior to or during a procedure, and collecting body waste or other matter. The design and shape can vary including round, oblong, deep or quite shallow. This is a reusable device
1.2	**Used by clinical department/ ward**	Labour Room/Midwifery Led Care Unit/Operation Theatre
TECHNICAL		
2. TECHNICAL CHARACTERICSTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Made of MS – 304 Anti Rust, Stainless Steel • Should have smooth surface. • Capacity: 800 – 1000 ml. • Reusable.
2.2	**User's interface**	NA
2.3	**Software and/or standard of communication (wherever required)**	NA
3. PHYSICAL CHARACTERICSTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBa)**	NA
3.4	**Heat dissipation**	NA

3.5	**Mobility, portability**	Portable
4. ENERGY SOURCE		
4.1	**Power Requirements**	NA
4.2	**Battery operated**	NA
4.4	**Protection**	NA
4.5	**Power consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories (mandatory, standard, optional);** **Spare parts (main ones);** **Consumables / reagents (open, closed system)**	NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	**Atmosphere / ambiance (air conditioning, humidity, dust ...)**	NA
6.2	**User's care, cleaning, Disinfection & sterility issues**	Sterilization Required
7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary..); performance and safety standards (specific to the device type); local and/or international**	• Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	NA

10. DOCUMENTATION		
10	**Operating manuals, service manuals, other manuals**	NA
11. NOTES		
11.1	**Service support contact details (hierarchy wise; including a toll free/landline number)**	NA
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		N/A

BIRTHING STOOL		
Version no.:		01
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		NA
GMDN code(s)		NA
GENERAL		
1. USE		
1.1	**Clinical purpose**	A birthing stool is a type of furniture intended to support a birthing parent upright while they give birth.
1.2	**Used by clinical department/ ward**	Labour Room/Midwifery Led Care Unit
TECHNICAL		
2. TECHNICAL CHARACTERICSTICS		
2.1	**Technical characteristics (specific to this type of device)**	• It should be waterproof and easy to clean. • It should have a large perineal cut in the middle of the seat. • It should have grab handles. • Should be able to hold minimum 150 kg weight. • Dimensions: L x W x H (16-18” x 20-24” x 10-14”)
2.2	**User's interface**	NA
2.3	**Software and/or standard of communication (wherever required)**	NA
3. PHYSICAL CHARACTERICSTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBa)**	NA
3.4	**Heat dissipation**	NA
3.5	**Mobility, portability**	Portable

4. ENERGY SOURCE		
4.1	**Power Requirements**	NA
4.2	**Battery operated**	NA
4.4	**Protection**	NA
4.5	**Power consumption**	NA
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories (mandatory, standard, optional);** **Spare parts (main ones);** **Consumables / reagents (open, closed system)**	Stainless steel tray
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	**Atmosphere / ambiance (air conditioning, humidity, dust ...)**	NA
6.2	**User's care, cleaning, Disinfection & sterility issues**	Parts of the Device that are designed to come into contact with the patient or the operator should be capable of easy disinfection.
7. STANDARDS AND SAFETY		
7.1	**Certificates (pre-market, sanitary..); performance and safety standards (specific to the device type); local and/or international**	• Should conform to ISO 13485 quality standards.
8. TRAINING AND INSTALLATION		
8.1	**Pre-installation requirements: nature, values, quality, tolerance**	NA
8.2	**Requirements for sign-off**	NA
8.3	**Training of staff (medical, paramedical, technicians)**	NA
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	NA
10. DOCUMENTATION		

10	**Operating manuals, service manuals, other manuals**	NA
11. NOTES		
11.1	**Service support contact details (hierarchy wise; including a toll free/landline number)**	NA
11.2	**Recommendations or warnings**	NA
Discovered cost on GeM/ IndiaMART		Not Available

BIRTHING CHAIR		
Version no.:		01
Date:		14/02/2023
Done by : (name / institution)		HCT/ NHSRC
NAME AND CODING		
GMDN name		NA
GMDN code(s)		NA
GENERAL		
1. USE		
1.1	**Clinical purpose**	A birthing chair, also known as a birth chair, is a device that is shaped to assist a woman in the physiological upright posture during childbirth.
1.2	**Used by clinical department/ward**	Labour Room/Midwifery Led Care Unit
2. TECHNICAL CHARACTERISTICS		
2.1	**Technical characteristics (specific to this type of device)**	• Birthing chair should be well-padded, comfortable and electro mechanically controlled. • It should have a large perineal cut in the middle of the seat. • It should have grab handles along with arm supports and footrest section. The footrest section should be adjustable to squatting positions. • The backrest should be adjustable up to 90 deg and all positions should be achievable by both mechanically and electronically. • Should be easy to clean, sterilize (especially blood stains) and maintain. • Should be able to hold minimum 150 Kg of load. • Caster wheels: Should have heavy duty roller wheels (Angular/SS MS-304) with locking mechanism. • Should have detachable SS-304 tray (waste tray) at perineal part of chair preferably.
2.2	**User's interface**	NA
2.3	**Software and/or standard of**	NA

	communication (wherever required)	
3. PHYSICAL CHARACTERISTICS		
3.1	**Dimensions (metric)**	NA
3.2	**Weight (lbs, kg)**	NA
3.3	**Noise (in dBA)**	NA
3.4	**heat dissipation**	NA
3.5	**Mobility, portability**	Yes
4. ENERGY SOURCE		
4.1	**Power Requirements**	220 V +/- 10% AC, 50 Hz
4.2	**Battery operated**	Should have facility to operate manually in case of power failure
4.3	**Power consumption**	To be specified by the manufacturer
5. ACCESSORIES, SPARE PARTS, CONSUMABLES		
5.1	**Accessories & Spares parts; Consumables / reagents (open, closed system)**	NA
6. ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS		
6.1	**Atmosphere / Ambiance (air conditioning, humidity, dust ...)**	NA
6.2	**User's care, Cleaning, Disinfection & Sterility issues**	Part of the device that are designed to come into contact with the patient or the operator should be capable of easy disinfection.
7. STANDARDS AND SAFETY		
7.1	**Certifications**	• Should be BIS and CDSCO approved. • Should conform USFDA/ European CE, in case of non-availability of BIS Standards. • Should conform to ISO 13485 quality standards. • Should conform to IEC 60601-1-General requirements of Electrical Safety Standards.
8. TRAINING AND INSTALLATION		

8.1	**Pre-installation requirements: nature, values, quality, tolerance**	Compatible electrical accessories as per standard Indian set-up.
8.2	**Requirements for sign-off**	Supplier to perform installation, safety and operation checks before handover.
8.3	**Training of staff (medical, paramedical, technicians)**	Training of users in operation and basic maintenance shall be provided.
9. WARRANTY AND MAINTENANCE		
9.1	**Warranty**	5 years
10. DOCUMENTATION		
10.1	**Operating manuals, service manuals, other manuals**	Should provide 2 sets (hard copy and soft copy) of: 1. User, technical and maintenance manuals should be supplied in English/Hindi language along with machine diagrams. 2. Service and operation manuals (original and Copy) to be provided.
10.2	**Other accompanying documents**	List of essential accessories with their cost.
11. NOTES		
11.1	**Service Support Contact details (Hierarchy Wise; including a toll free/ landline number)**	Contact details of manufacturer, supplier and local service agent to be provided.
11.2	**Recommendations or warnings**	Any recommendations for best use and supplementary warning for safety should be displayed.
Discovered cost on GeM/ IndiaMART		INR 20000 to INR 75000