# Annex 1:

## CRS’s Technical Specifications and Quantity for Hospital Equipment

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| S/N | Description | Quantity | Specification |
| 1 | Patient **Monitors**– SPO2 (Analog)– Pulse Rate (PR)– Respiratory Rate– Non-Invasive Blood Pressure (NIBP)– ECG– Temperature | 2 | Brand: Mindray Patient monitor Key featuresModel: 150 uMEC Patient MonitorParameters: ECG, temperature, SPO2, PR, NIBP, IBP, Respiration with additional options like CO, CO2Display: 15.6-inch, 1366 x 768 pixels with 12 waveform channelsLead set: 3-5 LeadsInput Signal range: 10 mV (p-p)HR range: Adult- 10 to 300 bpm, Pediatrics/Neonate- 10 to 350 bpmDimensions: 430 x 300 x 190mmWeight: 5kgBattery: Lithium-ion battery with up to 12 hours of continuous runtimeData Storage: Large capacity with external USB storage support for patient data transferUser interface: Standard touch screen with gesture support for ease of use and customization.Durability: Drop protection, water resistance (IPX1), corrosion-resistant housing, fanless design for quiet operationMobility: 45cm (17.5’’) height adjustment stand |
| 2 | * Vein Finder machine
 | 1 | · Type: Infrared-based or LED vein visualization device· Display: Real-time projection on skin or screen, High-resolution screen, or direct skin projection· Detection Depth: Up to 10 mm below the skin surface (standard)· Portability: Handheld or portable stand-mounted· Power Supply: Rechargeable lithium battery, charging dock, or USB/AC power adapter; fast charging.* Operating Time: Several hours of continuous use per charge

· Features: Adjustable brightness, pediatric/adult mode, safety-certified (IEC compliant) |
| 3 | * Ambu Bag (Child)
 |  | Key Features* Material: made of high grade medical silicone or PVC; 100% latex-free for safety and allergy prevention
* Bag volume: Typically around 280 500 ml for children, smaller than adult
* Mask: Pediatric-sized, designed to fit snugly over a child’s nose and mouth for an effective seal.
* Pressure Relief Valve: Built-in (40 cm H2O) to prevent overinflation and lung injury.
* Accessories: Includes oxygen tubing (2.1 meters), face mask and may be additional airway accessories

Typical package Contents* 1 x Self-inflating bag (Child size)
* 1 x Pediatric face mask
* 1 x Oxygen reservoir bag
* 1 x Oxygen tubing
* 1 x Storage case or box
* Instruction manual

Safety Features* Pressure-Limiting (pop-off) valve
* Anti-asphyxia valve to reduce the risk of rebreathing
* Visual feedback or connectors for the manometer/pressure gauge in some cases.
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| 4 | * Ambu Bag (Adult)
 | 2 | Bag (Resuscitator) Volume: 13000-1630 mlMaterial: Medical-grade silicone or PVC (100% latex-free)· Reservoir Capacity: 1600–26000 mL· Mask: Adult-sized, soft-seal face mask included· Pressure Limiting Valve: 40-70 cm H2o Non-rebreathing valve with oxygen port* Weight: 415 g with patient valve

· Oxygen Tubing: 2 m length minimum· Accessories: Reservoir bag, mask, oxygen tubing* Package Content includes:
* 1 x Self-inflating bag (Adult size)
* 1 x Adult face mask
* 1 x Oxygen reservoir bag
* 1 x Oxygen tubing
* 1 x Storage case or box
* Instruction manual
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| 5 | * Oxygen Cylinder
 | 2 | · Type: Refillable, high-pressure cylinder for medical oxygen (oil-free, ISO-compliant)* Material: Seamless steel, aluminum alloy (heat-treated), the body should be corrosion and rust resistant.

· Capacity: 40–55 liters (standard large cylinder) · Working Pressure: 150–200 bar· Valve: Bullnose or pin-index type· Accessories: Regulator and flow meter· Marking: Color-coded, certified, with hydrostatic test date |
| 6 | * Oxygen concentrator
 | 1 | **Core Performance**· Flow Rate: 0.5 –10 LPM (liters per minute)· Oxygen Purity: ≥ 90%- 96% at 5 LPM; must not fall below 82%· Noise Level: < 45 dB· Power Supply: AC 220–240V, 50–60 Hz· Display: LED or digital interface showing flow and alarm. The user interface is easy to operate with clearly visible displays.· Alarms: Audible and Visual alarms for low oxygen, power failure, pressure fault, high temperature, and no flow.* Safety: Includes automatic shutdown for overheating, high/low pressure, and low oxygen concentration

· Package Content:* Main oxygen concentrator unit
* Power cord (AC adapter; DC adapter for portable moedels)
* User manual
* Nasal cannula or oxygen delivery tubing
* Humidifier bottle
* Spare filters (intake and/or HEPA)
* Carry bag or trolley - Optional
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| 7 | * Vagina Speculum
 | 5 | · Material: Stainless steel (reusable) or medical-grade plastic (disposable)· Sizes: Small, Medium, Large· Design: Self-retaining with screw lock· Surface: Smooth, non-traumatic edges· Sterilization: Autoclavable (for reusable types) |
| 8 | * Baby cot
 | 5 | · Rame Material: Stainless steel or powder-coated mild steel· Mattress Platform: ABS or CRCA sheet· Mattress: Foam mattress with waterproof, antibacterial cover· Side Rails: Full protection, collapsible or fixed· Mobility: Four swivel castors (two lockable)· Accessories: IV pole holder (optional), mosquito net (optional)· Dimensions: Approx. 900–1000 mm (L) x 500–600 mm (W) x 800 mm  |
| 9 |  **Hospital Screen** | 5 | Type: – Folding / Collapsible Ward Screen – 3-panel (standard) or 4-panel (optional)2. Frame Material: – Mild steel or stainless steel (SS 304) – Epoxy powder-coated or chrome-plated finish – Anti-rust and corrosion-resistant3. Panel Size: – Approx. 150–180 cm height (5–6 feet) – Each panel width: 60–70 cm – Total extended width: ~180–210 cm (for 3 panels)4. Curtains: – Washable, flame-retardant, and anti-microbial fabric – Material: Polyester or polyester-cotton blend – Colors: White, light blue, or hospital green (customizable) – Removable and washable5. Mobility: – Fitted with swivel castors (minimum 50 mm diameter) – Two castors with brakes for stability – Smooth and quiet movement6. Folding Mechanism: – Hinged joints between panels for easy folding and storage – Self-standing design when opened7. Weight: – Approximately 10–15 kg (depending on material and number of panels) |
| 10 |  **Patient Stretcher** | 4 | **Technical Specifications**1. Overall Dimensions (Approx.): – Length: 1900 – 2100 mm – Width: 600 – 750 mm – Height Adjustment: 500 – 850 mm2. Frame Construction: – High-strength steel or stainless steel (SS 304) – Epoxy powder-coated or chrome-plated finish – Corrosion-resistant and easy to clean3. Mattress Platform: – 2- or 3-section platform – Made from CRCA/perforated steel or ABS plastic panels – Radiolucent top (optional, for use with X-ray)4. Mattress: – High-density foam (minimum 50 mm thick) – Covered with waterproof, antibacterial, and fire-retardant material – Removable and easy to clean5. Height Adjustment: – Hydraulic or mechanical crank system – Foot pedal or manual crank (depending on model)6. Backrest and Leg Adjustment: – Backrest adjustable up to 75° – Knee rest adjustable (optional) – Smooth movement via gas spring or manual lever7. Side Rails: – Collapsible aluminum or stainless-steel side rails – Lockable in both up and down positions – Easy to operate for patient safety8. Wheels / Castors: – 4 swivel castors (minimum 125–150 mm diameter) – 2 with brakes and 1 directional lock – Central locking system (optional) – Smooth, noiseless rolling with anti-static coating9. IV Pole: – Detachable stainless-steel IV pole – Adjustable height – 2–4 hooks for infusion bags |
| 11 |  **Nebulizing Machine**– Preferred Brands: Omron or Philips | 6 | Brand: Philips NebulizerFeatures* Nebulization rate: 0.2 ml/min
* Nebulization Capacity: 8 ml
* Maximum pressure of the compressor: 30 psi (207 kPa)
* Maximum flow: 8 liters per minute
* Battery weight: 0.188 kg or no battery
* Compressor size of 4.5’’ x 3.5’’ x 2.1
* Electrical requirements: 12V DC, 1250mA (compressor)
* Operating range: 5° TO 40°C, 10 – 95% humidity
* Noise level: Approx. 50 dBA
* Battery operating time: up to 90 minutes or Electric
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| 12 |  **Microscope**– Model: Olympus CX43 | 1 | * Features
* Optical system: Uls2 infinity-corrected
* Objectives: Plan Achromat 4x, 10x, 40, 100x oil
* Nosepiece: Fixed quintuple, inward tilt
* Eyepieces: 10x, FN 20
* Viewing head: Binocular or trinocular, 30° inclined
* Illumination: LED, 2, 4 W, Kohler, daylight color temperature
* Condenser: Abbe NA 125, 7-position turret
* Contrast Modes: Brightfield, darkfield, phase contrast (Ph1-3), fluorescence
* Fluorescence excitation: LED blue (470nm), filter wheel
* Magnification range: 4x to 100x
* Camera compatibility: Yes (with adapters)
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| 13 |  **Pediatric Patient Beds** | 10 | **Technical Specifications**1. Overall Dimensions (Approx.): – Length: 1400 – 1600 mm – Width: 600 – 750 mm – Height: 500 – 750 mm (from floor to mattress platform)2. Frame Construction: – Mild steel or stainless steel (SS 304) tubular frame – Epoxy powder-coated or enamel finish – Smooth, rounded edges for child safety – Reinforced structure to prevent tipping3. Mattress Platform: – CRCA perforated sheet or ABS panel – 1- or 2-section fixed platform – Optional: Radiolucent for imaging compatibility4. Side Rails / Safety Guards: – Full-length collapsible or fixed side rails on both sides – Height: Minimum 300–400 mm above mattress – Material: Mild steel, stainless steel, or ABS – Lockable in raised and lowered positions – Childproof locking mechanism5. Head and Foot Panels: – Detachable or fixed – Made from ABS or laminated wood – Ergonomic grip handles for easy mobility6. Mattress: – Pediatric-size high-density foam mattress – Waterproof, anti-bacterial, fire-retardant cover – Thickness: 75–100 mm7. Mobility / Castors: – Four swivel castors (minimum 100 mm diameter) – Two with brakes for stability – Optional: Central braking system8. Load Capacity: – At least 100 kg |
| 14 |  **Patient Bedside Lockers** | 10 | **Technical Specifications**1. Overall Dimensions (Approx.): – Height: 750 – 850 mm – Width: 400 – 500 mm – Depth: 400 – 500 mm2. Frame Material: – CRCA (Cold Rolled Close Annealed) mild steel – Epoxy powder-coated finish – Optional: Stainless Steel (SS 304) for high-hygiene or coastal environments3. Top Surface: – Laminated wood, stainless steel, or ABS plastic – Spill-proof, scratch-resistant, and easy to clean4. Storage Compartments: – One drawer (top) with smooth sliding mechanism – One cabinet (bottom) with swing door – Optional: Open shelf in between for frequently accessed items5. Handles and Locks: – ABS or stainless steel handles – Lockable drawer and cabinet (optional)6. Castors (Optional): – 4 swivel castors (50 mm or larger) – 2 with brakes for stability – Castor-less stationary design also available7. Accessories / Optional Features: – Towel hanger or side rail – Bottle or jug holder – Utility tray on top or side – Ventilation holes on the rear panel8. Color Options: – Standard hospital colors: Light blue, beige, green, white |
| 15 |  **Delivery Set** | 2 |

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| **Instrument / Item** | **Quantity** | **Description** |
| Artery Forceps (Straight) | 2–4 pcs | 6" or 8", for clamping blood vessels |
| Artery Forceps (Curved) | 2 pcs | For clamping umbilical cord or blood vessels |
| Sponge Holding Forceps | 1 pc | 8"–10", for holding swabs or sponges |
| Needle Holder | 1 pc | Mayo-Hegar or similar, 6"–8" |
| Episiotomy Scissors | 1 pc | Angled or curved, blunt tip |
| Umbilical Cord Scissors | 1 pc | Blunt/blunt ends for safe cord cutting |
| Dissecting Scissors | 1 pc | Straight or curved, for soft tissue cutting |
| Toothed Tissue Forceps | 1 pc | For grasping tissue |
| Dressing Forceps | 1 pc | Straight, blunt tip |
| Kidney Tray | 1 pc | Stainless steel, 8"–10" |
| Bowl (Small) | 1–2 pcs | Stainless steel, for antiseptic or swabs |
| Gallipot | 1–2 pcs | For ointments or antiseptic liquids |
| Mucus Extractor / Suction Bulb | 1 pc | For neonatal airway clearance |
| Towel Clamp | 2 pcs | For securing drapes or towels |
| Baby Measuring Tape | 1 pc | Disposable or reusable |
| Sterile Drapes or Towels | 2–4 pcs | Cotton or non-woven, for sterile field setup |

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| 16 |  **Fetal Doppler** | 2 | **Application:** – Non-invasive device used to detect and monitor fetal heart rate (FHR) during pregnancy. – Suitable for use in hospitals, clinics, and antenatal care settings.2. Display: – Digital LCD display – Real-time fetal heart rate (FHR) – Heart rate range: 50 – 210 bpm – Display resolution: ±1 bpm3. Probe: – 2.5 MHz or 3.0 MHz waterproof probe (standard) – Detachable and interchangeable – High-sensitivity, low ultrasound output (safe for continuous use)4. Audio Output: – Built-in speaker – Headphone jack – Adjustable volume control5. Power Supply: – Battery operated (2x AA or rechargeable lithium battery) – Low battery indicator – Optional AC adapter (for certain models)6. Features: – Automatic power-off function – Battery life: >8 hours continuous use – Compact and lightweight (handheld design) – CE/ISO certification – Built-in memory (optional feature in advanced models)7. Safety Standards: – Ultrasound intensity: <10 mW/cm² (meets IEC safety standards) – Complies with IEC 60601-1 and 60601-1-2 (EMC) standards8. Accessories: – Ultrasound gel – User manual – Carrying pouch (optional) |
| 17 |  **Glucometers and Strips**– Brand: OneTouch Select | 3 | **Glucometer Specifications**1. Measurement Principle: – Electrochemical biosensor2. Blood Sample Type: – Capillary whole blood3. Sample Volume: – 1.0 µL (microliter) or less4. Measurement Time: – Approximately 5 seconds5. Measuring Range: – 20 to 600 mg/dL (1.1 to 33.3 mmol/L)6. Display: – Large LCD digital display – Units: mg/dL (or mmol/L based on model/region) – Memory storage: At least 250 results with date and time7. Power Supply: – Battery operated (commonly CR2032 or AAA) – Battery life: ≥1000 tests8. Calibration: – Plasma-calibrated9. Operating Conditions: – Temperature: 10°C to 40°C – Humidity: 10% to 90% RH – Altitude: up to 3000 meters10. Features: – Auto-coding or no-coding required – Fast results with small blood sample – Strip ejection or touchless handling (in newer models) – Audible prompts (optional)**Test Strips Specifications**1. Compatibility: – Must be compatible with OneTouch Select glucometers or equivalent2. Shelf Life: – Minimum 12–24 months from date of manufacture3. Packaging: – Airtight vial or individually wrapped strips – Standard pack: 25 or 50 strips per vial4. Storage Conditions: – 4°C to 30°C – Avoid humidity, direct sunlight, and heat |



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CRS is committed to the principles of responsible sourcing, and we expect our suppliers and service providers to fully comply with contractual obligations to include CRS's terms and conditions, relevant/otherwise applicable local laws and to adhere to internationally recognized environmental, social, and corporate governance standards. We also expect our suppliers to apply these standards to their suppliers and subcontractors as inspired by [the United Nations Global Compact Initiative,](https://www.unglobalcompact.org/) [the United Nations Guiding Principles and Human Rights,](https://www.unglobalcompact.org/library/2) [the ILO Declaration on Fundamental Principles and Rights at Work,](https://www.ilo.org/declaration/lang--fr/index.htm) [the Code of Conduct of the Better Business Initiative (ETI),](https://www.ethicaltrade.org/sites/default/files/shared_resources/eti_case_code_-_french.pdf) and the  [Applicable CRS policies, procedures and standards.](https://www.crs.org/about/compliance)

Social

* Prohibit all forms of harassment, sexual harassment, exploitation, and abuse, including sexual exploitation and abuse, and trafficking in persons. Any sexual activity with a child, defined as a person under the age of 18, is considered sexual abuse regardless of the age of local consent.
* Have mechanisms in place to actively prevent, combat and respond to harassment, sexual harassment, exploitation, and abuse, including sexual exploitation and abuse, and trafficking in persons.
* Support the protection of internationally proclaimed human rights and prohibit forced labor, debt bondage, involuntary labor, and child labor.
* Do not recruit or employ children under the age of 15. Not to recruit or employ children under the age of 18 for work that is mentally or physically hazardous or that interferes with schooling.
* Treat employees with dignity and respect and provide a safe and hygienic workplace, compliant with national laws and free from discrimination based on race, gender, age, religion, sexuality, culture, or disability.
* Provide accessible and confidential reporting mechanisms to employees and other stakeholders to report concerns or suspicions of any form of harassment, abuse and exploitation described above as well as any potentially illegal practices by management or employees.
* Commit to protecting whistleblowers or whistleblowers from retaliation
* Respect freedom of association and the right to collective bargaining in accordance with applicable laws.
* Ensure that wages and hours of work comply with national legal standards Governance
* Comply with all applicable national and international trade laws and regulations, including but not limited to antitrust laws, trade regulations and sanctions regimes.
* Think of business integrity as the basis of business relationships.
* Prohibit all types of bribery, corruption, money laundering and terrorist financing.
* Prohibit gifts to private or public officials to influence business decisions or encourage them to act contrary to their obligations.
* Respect the confidential information and privacy of all employees and business partners and protect data and intellectual property from misuse.
* Implement data protection and management standards regarding the collection, backup, cleansing and disposal of data. The owner of the data must be aware of the terms and conditions of data sharing and must give consent in accordance with [CRS's Responsible Data Values and Principles.](https://www.crs.org/about/compliance/crs-responsible-data-values-principles)
* Implement appropriate compliance management policies and procedures that facilitate compliance with applicable laws, regulations, and standards.

Environment

* Comply with all applicable environmental, health and safety regulations.
* Promote the development, manufacture, transportation, use and safe and environmentally friendly disposal of your products.
* Ensure, using appropriate management policies and procedures, that product quality and safety meet applicable requirements
* Protect the lives and health of your employees and those around you, as well as the general public, from the dangers inherent in processes and products.
* Efficient use of resources, apply energy-efficient and environmentally friendly technologies and reduce waste and emissions to air, water, and soil.

CRS reserves the right to conduct audits or due diligence to ensure your compliance and will take reasonable steps to investigate or otherwise take appropriate steps to address concerns. CRS reserves the right to terminate any relationship for non-compliance with the requirements mentioned above.

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* + CRS Whistleblowers website: [Http://bit.ly/crshotline](https://secure.ethicspoint.com/domain/media/fr/gui/12748/index.html)
	+ Email : *3a3T lert@crs.* *org33T*

 -Skype: 1-866-295-2632

* + Mail:

Attention: Director of the Legal Department

Catholic Relief Services

228 W. Lexington Street

Baltimore, MD 21201

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By agreeing to do business with CRS in the form of a purchase order, contract, or agreement, you are doubly accepting the roles and responsibilities of your organization described in this document.

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| Recognition I, representative of  hereby declares that I have read, understood, and accepted this Code of Conduct.  |