

PROCUREMENT OF MEDICAL EQUIPMENT FOR OBGYNE DEPARTMENT

IB NO. 2023-05-12 (20)

TECHNICAL SPECIFICATION

1. BILI LIGHT (PHOTOTHERAPY)		
DESCRIPTION		
		Bili light (Phototherapy) is the ultimate solution for Neonatal Jaundice treatment. Bili light (Phototherapy) has blue LED lamp so that it is much more curable and effective than ultraviolet light lamp phototherapy such as florescent or halogen one.
PURPOSE OF USE		
	Clinical department/ward	OB-GYN WARD
FEATURES AND BENEFITS		
		<ul style="list-style-type: none">• 20,000 hour operating time• High intensity with efficient treatment• Operating & total using time display• Timer, 2 level adjustable intensity• Light weight and compact size When using phototherapy, protective eyeshades must be used to protect the infant's eyes from excessive light exposure. Optional eye shades are available.
MATERIALS INCLUDED		
		<ul style="list-style-type: none">• Phototherapy unit with timer• Clamp• Power Supply• Wrench• User Manual• Mobile Cart• PHOTOTHERAPY EYE MASK Newborn (BILI-BONNETS)
TECHNICAL SPECIFICATIONS		
		<ul style="list-style-type: none">• Light Source - Blue LEDs<ul style="list-style-type: none">○ Wavelength: Peak between 450 ~475 nm○ Intensity: 20 ~ 100W/CM²/nm at 40 cm○ Variation in intensity over 6 hours: ± 10% (within illumination area)○ Effective surface area: 40 x 20 cm• Function:<ul style="list-style-type: none">○ Intensity<ul style="list-style-type: none">▪ Low Intensity: 20 ~ 70W/CM²/NM ± 10%▪ High Intensity: 40 ~ 100W/CM²/NM ± 10%○ Timer: 30 min. ~ 999 hours• Heat Output: Over 6 hours < 10 °C warmer than ambient (at 40 cm)• LCD Display: Operating Hour, Total Hour, Timer, Adjustable Intensity

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		<ul style="list-style-type: none"> • Installation: Mobile Cart, Pole Mounted, Incubator • Electrical Mains: <ul style="list-style-type: none"> ○ Input: 100-240 VAC, 50/60 Hz ○ Consumption: 70VA • Safety: <ul style="list-style-type: none"> ○ Leakage Current: <100 μA ○ Audible Noise: < 60 dB • Dimensions: <ul style="list-style-type: none"> ○ 200 CM <p>34 x 21 x 7.5 CM</p>
ACCESSORIES, CONSUMABLES, SPARE PARTS, OTHER COMPONENTS		
	Phototherapy unit With Timer	<ul style="list-style-type: none"> • Clamp • Power Supply • Wrench • User Manual • Mobile Cart • Phototherapy Eye Mask Newborn (BILI-BONNETS)
ENVIRONMENTAL FACTORS		
	Context-Dependent Requirements	<ul style="list-style-type: none"> • The unit shall be capable of operating continuously in ambient Temperature in your newborn's room should be between 68°F and 75°F (20°C and 24°C) • Pre Requisites should be clearly spelt out in terms of room requirements.
TRAINING, INSTALLATION AND UTILISATION		
	Pre-installation requirements	Supplier to perform installation, safety and operation checks before handover.
	Requirements for commissioning	Local clinical staff to affirm completion of installation
	Training of user/s	- Training of users and BIOMED Engineer in operation and basic maintenance shall be provided
	User care	To demonstrate the proper cleaning and disinfection with provision of printed cards or tags beside the unit.
WARRANTY		
	Warranty	2-Year Warranty
DOCUMENTATION		

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	Documentation Requirements	<ul style="list-style-type: none"> • User, technical and maintenance manuals to be supplied in English language. • Service manual in English. • List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided. • Calibration Certificate
SAFETY AND STANDARDS		
	International Standards	IEC 60601-1:2012 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
	COMPLETION OF DELIVERY AND INSTALLATION	ITEM SHALL BE DELIVERED WITHIN 45 CALENDAR DAYS FROM RECEIPT OF NOTICE TO PROCEED INCLUDING ITS INSTALLATION
	TERM OF PAYMENT	Payment shall be processed right after complete delivery, commissioning and compliance with all necessary documents in according to audit rules and regulations.

2. ELECTRIC GYN EXAMINATION TABLE

DESCRIPTION		
		Electric Gyn Examination Table is a three-section table with an electrically adjustable seat section for gynecological, urological, proctological and general examinations. Designed with simple and easy operation.
PURPOSE OF USE		
	Clinical department/ward	OB Ward and OBGYN Clinic (OPD)
FEATURES		
		<p><u>Hi-low Adjustments</u></p> <ul style="list-style-type: none"> • Helps patient to easily get on or off the bed with height adjustment of 520mm to 850mm <p><u>Handheld Controller</u></p> <ul style="list-style-type: none"> • Handheld controller can be store in both side of the bed <p><u>Battery</u></p> <ul style="list-style-type: none"> • The battery is an auxiliary power supply for

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		<p>operating an electrically operated table when not connected to a power outlet.</p> <p><u>Easy Manual Operation</u></p> <ul style="list-style-type: none">• Easy to change back, hip and foot section position using handle.• Back section base inclination by Gas spring• Leg section base adjustment by manual mechanism• Hip section base inclination angle by gas spring• Detachable Tray <p><u>Designed for Convenience</u></p> <ul style="list-style-type: none">• Ample space around the foot area of the gyn examination table that reduces the distance between patient and medical personnel for easier examination position. <p><u>Smooth Caster</u></p> <ul style="list-style-type: none">• Smooth Rotating Caster• 100 mm in diameter with stoppers at each corner (provide quite movement)• Comes with anti-static caster <p><u>Easy to grip handle</u></p> <ul style="list-style-type: none">• Firm grip for patient and it can be used as mini side-rail. <p><u>Seamless Mattress Function</u></p> <ul style="list-style-type: none">• Its impermeable• Detachable Mattress for easy cleaning and maintenance• Water Resistant• Flame Retardant• Comes with Anti-Bacterial property <p><u>Medical Treatment Support</u></p> <ul style="list-style-type: none">• Calf Support can be adjusted and put off when doing some other kinds of treatments.• The hand grip can be put down too. <p><u>Additional Accessories</u></p> <ul style="list-style-type: none">• IV Pole Support
TECHNICAL PARAMETER		

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	<p>Total Length: at least 1700 mm</p> <p>Total Width: at least 700 mm</p> <p>Total Height: not more than 770 mm</p> <p>Mattress Base Height: 520 mm to 850 mm</p> <p>Casters: minimum 100 mm diameter with stopper</p> <p>Product weight: not more than 100kg</p> <p>Safe Working Load: at least 175 kg</p> <p>Back Raise Angle: 0° to 70°</p> <p>Height Adjustment Range: 330 mm</p> <p>Table Inclination Angle: 0° to 15°</p> <p>Power Supply: 230V, 1 phase, 60Hz</p> <p>Hip Raise Angle: 0° to 20°</p> <p>Leg Raise Angle: -80° to 0°</p> <p>Mattress Base Material: Particle board/Phenolic resin/ Powder coated steel</p> <p>Main Frame Material: Made of stainless steel</p> <p>Tray Material: Stainless</p> <p>Mattress Material: Vinyl Leather, Urethane foam</p> <p>Calf Support Material: Urethane foam</p>
ENVIRONMENTAL FACTORS	
Context-Dependent Requirements	<ul style="list-style-type: none"> The unit shall be capable of operating continuously in ambient <i>temperature standards</i> (68 °F to 73 °F (20 °C to 23 °C)) are typically associated with operating <i>rooms</i> Pre-Requisites should be clearly spelt out in terms of room requirements
ACCESSORIES, CONSUMABLES, SPARE PARTS, OTHER COMPONENTS	
	<ul style="list-style-type: none"> HYDRAULIC OIL SAE30 POWER CORD MAIN SWITCH IV POLE EXTENSION CORD
TRAINING, INSTALLATION AND UTILISATION	
Pre-installation requirements -	Supplier to perform installation, safety and operation checks before handover.
Requirements for commissioning	Local clinical staff to affirm completion of installation.

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User care	To demonstrate the proper cleaning and disinfection with provision of printed cards or tags beside the unit.
WARRANTY	
Warranty	2-Year Warranty
DOCUMENTATION	
Documentation Requirements	User, technical and maintenance manuals to be supplied in English language. Service manual in English. List to be provided of important spares and accessories, with their part numbers and cost. Certificate of calibration and inspection to be provided.
SAFETY AND STANDARDS	
International Standards	IEC 60601-1:2012 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
COMPLETION OF DELIVERY AND INSTALLATION	ITEM SHALL BE DELIVERED WITHIN 45 CALENDAR DAYS FROM RECEIPT OF NOTICE TO PROCEED INCLUDING ITS INSTALLATION
TERM OF PAYMENT	Payment shall be processed right after complete delivery, commissioning and compliance with all necessary documents in according to audit rules and regulations.

NOTE:

This Technical Specification is not a referenced to a specific brand of the equipment, and duly signed by the members of the Technical Working Group.