

## REPUBLIC OF THE PHILIPPINES Department of Health

## NATIONAL CENTER FOR MENTAL HEALTH

Nueve de Febrero Street, Mandaluyong City, Philippines



## BIDS AND AWARDS COMMITTEE

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## Section VI Schedule of Requirements

PUBLIC BIDDING FOR THE SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF BRAND-NEW EQUIPMENT FOR NCMH GENERAL HOSPITAL – PAVILION 7 CY 2024

IB No. E-013-2024-PB

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item No.	Description	Qty	Delivery Site	Address	Delivery Period and Terms of Payment
1	OPERATING ROOM TABLE FOR VARIOUS SURGICAL DISCIPLINE WITH ORTHOPEDIC TRACTION DEVICE  DESCRIPTION OF FUNCTION  • It shall be battery powered and electric /electro-hydraulic operating table.  GENERAL DESCRIPTION  • Safe working load of at least 460-500 kg guaranteeing highest safety and stability.  • All position at least 250kg loading weight.  • The table top should be radiolucent material & X-Ray access  • With Modular design tabletop that enables it to be tailored for various surgical discipline needs.  • With One-button Connection Design make it easy just one click to change table components module.  • With a modular recognition system and Intelligent Collision Protection System to avoid table component scollision during movement. It shall recognize the type of the table component and match the anti-collision data automatically.  • With Color-coded indication technology to show the angle and issue a timely warning when it comes to excessive Trendelenburg and reverse Trendelenburg positions.  • The table pad should be double layered and not soft but can be molded by the figure of the patient to deliver even counterforce and reduce the possibility of ulcer, and it should be water-proof and anti-static material and can be washed by water directly; each joint should be sealed by ultrasonic not glue and sewing.  • The thick of the mattress should be more than 75mm -85mm multilayer decompression pad with waterproof and seamless design	1	MEDICAL/ SURGICAL	National Center for Mental Health	a. One-time delivery within sixty (60) calendar days upon receipt of Notice to Deliver  b. Terms of payment at least 60 days from receipt of Sales invoice

With dual-joint leg plate and dual-joint head	
plate.	
With Corded hand control.	
With flat stainless-steel design material as	
the cover of the table base not metal to avoid	
the potential shocking by the current.	
• With battery inside the table, which can	
work at least 50-80 operations for two weeks	
and the battery should be standard	
configuration.	
• With capable of interchangeable for the leg plates and head rest for normal position and	
reverse position	
With electric longitudinal shift function not	
less than 330mm for free access to C-arm.	
With bottom base height less than 130mm	
• The table positions memory that can save	
more than 15 positions, so the user can select	
the memorized positions for the specific	
surgery freely without complex adjustment.	
Electric-hydraulic movements including	
table up and down, back up and down, turn	
left and right, Trendelenburg and reverse	
trendelenburg, leg plate up & down, which	
shall be controlled by hand control panel.	
Support automatic reset to zero position by	
pressing one button (leveling function). It also	
shall be with Flex, reflex position by pressing	
one button	
<ul> <li>Support powered body elevator and flex</li> </ul>	
position can reduce the pressure injury and	
expose the kidney area completely	
With at least 4 double-swivel castors that	
enables the user move the table longitudinally	
and transversally.	
At least 4 Castors shall be electrically locked	
firmly / unlocked by using the hand control.	
• The remote hand control be at least 3.5'color	
LCD that will show the information on the	
display, such as movements, battery, brake,	
anti-collision information, etc.  The remote hand control shall be with the	
backlight for operating in a dark environment	
• The hand control shall control the electric	
movement of leg plate individually and	
simultaneously.	
With Electric brake to provide higher	
stability.	
TECHNICAL SPECIFICATION	
Basic Information	
• Length of the table (main unit) at least 870	
mm	
• Width of the table with rails at least 590 mm	
Electric Function	
• The lowest position ≤ 600 mm	
• The highest position ≥ 1050mm	
• Longitudinal shift >330 mm	
• Turn left ≥ 26°	
• Turn right ≥ 26°	
• Trendelendburg position ≥ 36°	
• Reverse Trendelendburg position ≥ 36°	
• Back plate up position ≥ 90°	
• Back plate down position ≥ 45°	
• Flex position ≥220°	
• Re-flex position ≥ 110°	
* INC-LIEX DOSHIOH < LTU:	

11-4	
• Leg plate up ≥ 80°	
• Leg plate down ≥ 100°	-
Zero position by one electric button	-
Mechanical Function	-
<ul> <li>Head plate up ≥ 45°</li> <li>Head plate down &gt; 80°</li> </ul>	
T	
ACCESSORIES	
Standard:	
<ul> <li>Arm board with cushion and clamp-2nos.</li> </ul>	
Anesthesia screen I shaped with clamp-1	
nos.	
ORTHOPEDIC TRACTION:	
ORTHOPEDIC TRACTION DEVICE	
(COMFORT)	
SPECIFICATION:	
Swivel Bar	
Made of stainless steel	
• Length at least 1365 – 1660 mm	
Counter Traction Post	
• Length – at least 340mm-380mm Diameter	
at least 100mm	4
Counter Traction	4
Material : Made of polyoxymethylene	1
Pelvis Plate	
Material : Made of Compact Laminate	
Swivel Bar	
Horizontal rotate range – 130 degree	
Swivel Bar	
Horizontal rotate range – 220 degree	
Traction Boot	
• Horizontal rotation of traction boot – 360	
degree	-
• Vertical rotation of traction boot – 360	
degree	-
• Height adjustment range of traction boot – 400mm	
Sliding distance of traction boot – 465mm	
Maximum Traction travel – 180 mm	
Transport Cart	
Length –at least 1055mm	
• Width – at least 755mm	
• Height –at least 655mm	
Boot type stirrups (pair) for foot and calf	1 1
support with 2 clamp.	
Gel Pad Accessories:	
Long gel body roll large,50×15×7 – (pair)	
Arm/leg pad, long,50×15×4 – (pair)	
Manager Manage	
Universal square pad-large,50×30×1.5 – (1	
piece)	
Adult horseshoe headrest w/Ext – (1 piece)	
Short gel body roll,large,30×15×7- (pair)	
CERTIFICATES:	
. IEC 60601-1:2012	
o. IEC 60601-1-2:2014	
At least 3 Years Warranty on Parts and	
Labor	
Delivery Period:	
60 Days	
TD CID C	
Terms of Reference:	
Terms of Reference:  CTC certification of current and valid	

exceed 128kg, Workbench supporting max		receipt
weight capacity of 20kg, Top Plate supporting		Notice t
max weight capacity of 20kg, Working		Deliver
Temperature of 10-40 degrees C, =/<93% of	l III	
Humidity, Input Voltage of 100-240V, Input		b. Terms of
Current of 3.5-8.5 A, Input Frequency of		payment
50/60Hz +/- 1Hz, 7000mAh 11.1VDC		least 60
Rechargeable Lithium-Ion Battery with six		days fro
hours charging time and three hours		receipt o
continuous working operation time,		Sales
Automatic Breathing Circuit Compliance at	ľ	invoice
=/<4ml/100pa and Automatically compensates		
for circuit compression loss within the		
breathing circuit in mechanical mode, Tidal		
Volume range of VCV 15-1500 ml and PCV		
5-1500 ml, 2000 Alarm Events and 60 hours		
trend		
Gas Source (Oxygen and AIR)		
With Electronic Flowmeter		
Oxygen Flush switch gives 100% fast		
oxygen		
Pressure Regulator		
With Total Flowmeter		
With Back-up Flow Control System Button		
With Flow Regulation Knob of the back-up		
flow control system		
Accommodates Two Vaporizers with		
Interlocking System (Sevoflurane and		
Isoflurane)		
ACGO (Auxiliary Common Gas Outlet)		
using connector type Taper coaxial fitting of		
22mm outside and 15mm inside		
Auxiliary Air Flowmeter	1	
Auxiliary Oxygen Supply Flowmeter		
Autoclavable Breathing System must have		
the following; Expiration Port, Canister for		
CO2 sodalime absorbent, Canister hold and	1	
release lever, Manual Drain Valve, Leak Test		
Plug, Breathing Circuit Hook, Expiration		
Check Valve, APL Valve range 1-75 cmH2O		
with Minimum opening pressure of 0.3/0.5		
cmH2O (dry/humid),		
Airway Pressure Gauge, Manual Bag Port, Bellows Assembly, Manual Bag Port Arm,		
Manual and Mechanical Ventilation Switch,		
Inspiratory Check Valve and Inspiration Port,		
and Circuit By-Pass Function		
Ventilator Modes: VCV/VC, PCV/VPC,		
SIMV-VC, SIMV-PC, PRVC, PSV/CPAP,		
Manual and Automatic Ventilation, SIMV-		
PRVC, PSVPro. Ventilation Principle is		
Chronometric, volumetric and barometric,		
Electronically Controlled and Pneumatically		
Driven, Electronic Selective Air or Oxygen		
Ventilator Monitoring Setting Ranges must		
include; Tidal Volume, Inspiratory, Expiratory		
Flow, Minute Volume, Frequency, Pressure		
(Pmean, Pplat, Ppeak, PEEP), Oxygen, CO2,		
N2O and Halogen numerical values,		
Compliance and Patient Resistance, Tidal		
Volume range 15-1500ml, Pressure limit		
range 10-100 cmH20, Pressure support range		
3-60 cmH20, Respiratory Rate 4-100 bpm, I:E		
Ratio 4:1-1:10, Apnea I:E 4:1-1:8, Apnea		
Time 10-30 second, Apnea Pressure 3-60		

inspiratory time, Inspiratory time 0.2–5s, Inspiratory pressure 5–70 cmH2O, PEEP OPF, 3–30 cmH2O, Trigger Property of the March 200 cmH2O, Trigger Sessure 20–11 cmH2O, Trigger window 5–90%, Trigger flow 0.2–15 L7 min, Flush oxygen 25–75 L7 min, Inspiratory stop level 5–80%, Pressure slope 0–2.0s.  Pestitive End Expiratory Pressure (PEEP) Type Integrated, electronically controlled, Range 0–70 cmH2O  Ventilator Monitoring Ranges; TV (Inspiratory fidal volume) 0–3000 mL, TV (expiratory fidal volume) 0–3000 mL, MV (Per-minate ventilation amount) 0–100 L/min, Ff02 (Oxygen concentration) 18–100%, Airway pressure 20–120cmH2O, PEEP  0–76mH2O, Ppaak (Airway pressure) - 20–120 cmH2O, Ppat (Airway pressure) - 20–120 cmH2O, Ppat (Airway pressure) - 20–120 cmH2O, Expiratory expiratory attip) 41–11; Freq (Respiratory rate) 0–120 bpm. Compliance 0–300 mL/cmH2O, Excistance 0–600 cmH2O/GL).  **A Lesst 12.1** 800 x 600 Resolution Touchscreen Ventilator and Monitoring Main Display Screen must havelexifibit the following: Alarm Indicator, Patient Torynadion, Alarm Mesagy Area, Alarm Sound Pause Con, System Date and Trime, Main Power Supply and Battery Status Indicator, Working Indicator, Alarm Mesage (Display Area, Status Indicator, Working Indicator, Alarm Mesage (Display Area, System Prompt Mesage (Display Area, Status Indicator, Working Indicator, AC Power Indicator, Pressure and Volume histograms/indicator Monitoring Values Display Area, CO2 and O2 Monitoring Display Area, Status Indicator, Working Indicator, AC Power Indicator, Pressure and Volume histograms/indicator Model Display Area, and Current Ventilation Model Display.  **A OSS (Anesthesia Gas Scavenging System) must have the following: Waste gas exhaust noozle connector; ACSS waste gases outlet, Outer one comnector for hose of transfer system, Pressure Compensation Port, Main Body of AGSS System, Red Color Float, and Flow regulation Knob, Suction flo			
Inspiratory pressure 3-70 cmH2O, PEEP OFF, 3-30 cmH2O, Trigger ressure 20—1 cmH2O, Trigger window 5-90%. Trigger flow Q.2-15 1.7 min, Flush oxygen 25-75 1.7 min, Inspiratory stop level 5-80%, Pressure slope 0-2.0s.  Positive End Expiratory Pressure (PEEP) Type Integrated, electronically controlled, Range 0-70 cmH2O  Ventilator Monitoring Ranges: TV (Inspiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, MV (Per-minute ventilation amount) 0-100 L/min, Fi/O2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH2O, PEEP 0-70cmH2O, Pepak (Airway pressure) 0-70cmH2O, Pepak (Airway pressure) 1-20 cmH2O, Pena (Ream pressure) 1-20-120 cmH2O, Pena (Ream pressure) 1-20-120 cmH2O, Pena (Platform pressure) 1-20-120 cmH2O, Pena (Platform pressure) 1-20-120 cmH2O, Pena (Mema Pressure) 1-20-120 cmH2O,	inspiratory time, Inspiratory time 0.2~5s,		
cmH2O, Trigger window 5–90%. Trigger flow 0.2–15 L' min, Plush oygen 25–75 L' min, Plush oygen 25–75 L' min, Plush oygen 25–75 L' min, Inspiratory stop level 5–80%, Pressure slope 0–2.0.  - Positive End Expiratory Pressure (PEEP) Type Integrated, electronically controlled, Range 0–70 cmH2O  - Ventilator Monitoring Ranges; TV (lespiratory tidal volume) 0–3000 mL, TV (expiratory tidal volume) 0–3000 mL, MV (Per-minute ventilation amount 0–100 L/min, FiO2 (Oxygen concentration) 18–100%, Airway pressure - 20–120 cmH2O, Pleat (Airway pressure) - 20–120 cmH2O, Pleat (Airway pressure) - 20–120 cmH2O, Pleat (Airway pressure) - 20–120 cmH2O, Pleat (Platform pressure) - 20–120 cmH2O, Pleat (Platform pressure) - 20–120 cmH2O, Pleat (Platform pressure) - 20–120 cmH2O, Pleat (Minute) - 20 cmH2O, Pleat (Platform pressure) - 20–120 cmH2O, Pleat (Minute) - 20 cmH2O, Pleat (Platform pressure) - 20–120 cmH2O, Pleat (Minute) - 20 cmH2O, Pleat (	Inspiratory pressure 5~70 cmH2O, PEEP		
Inow 0.2-1.5 L7 min, Flush oxygen 25-75 L7 min, Inspiratory stop level 5-80%, Pressure slope 0-2.0s.  Positive End Expiratory Pressure (PEEP) Type Integrated, electronically controlled, Range 0-70 eml/120  Ventilator Monitoring Ranges; TV (Inspiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, MV (Per-minute ventilation amount) 0-100 L/min, Fio2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH20, PEEP 0-70cmH20, Opeak (Airway pressure) - 20-120 cmH20, Ppak (Patrotrop ressure) 0-120 cmH212, Ferg (Respiratory rate) 0-120 bpm, Compliance 0-300 mL/cmH20, Resistance 0-600 cml/20 (MR) Resistance 0-600			
intin, Inspiratory stop level 5-80%, Pressure   Slope 0-2.0.   - Positive End Expiratory Pressure (PEEP)   Type Integrated, electronically controlled,   Range 0-70 cmH2O   - Ventilator Monitoring Ranges; TV   (Inspiratory tidal volume) 0-3000 mL, TV   (expiratory tidal volume) 0-100 Limin, FiO2 (Oxygen concentration) 18-100%,   Airway pressure 2-0-120 cmH2O, PEEP   0-70-cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Platform pressure) - 20-120 cmH2O, Pipel (Platform pressure)   0-120 cmH2O, Pipel (Respiratory ratio) 41-1-12, Freq (Respiratory ratio) 41-1-12, Freq (Respiratory ratio) 1-10   Penn, Compliance 0-300 mL/correct period to period t			
Positive End Expiratory Pressure (PEEP) Type Integrated, electronically controlled, Range 0-70 cmH2O  • Ventilator Monitoring Ranges; TV (Inspiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, MV (Per-minute ventilation amount) 0-100 L/min, FiO2 (Oxygen concentration) 18-100%, Airway pressure 20-120cmH2O, PEEP 0-70cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Penal (Real pressure) - 20-120 cmH2O, I.E (Inspiratory expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 bpm. Compliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O/Styl.)  • At least 12.1° 800 x 600 Resolution Touchseren Ventilator and Monitoring Main Display Screen must have/exhibit the following; Alarm Indicator, Patient Type, Patient Information, Alarm Message Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Indicator's Monitoring Values Display Area, CO2 and O2 Monitoring Display Area, System Prompt Message Display Area, Stand- by Button, Timer, Ventilation Mode and Parameter Setting Display Area, Battery Status Indicator, Working Indicator, AC Power Indicator, Perssure and Volume histograms/indicator display, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Sipslay, Area, and Current Ventilation Mode Display, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay, AG Concentration Monitoring Display Area, and Current Ventilation Mode Bioplay  • AGSS (Anesthesia Gas Scavenging System) must have the following: Waster gas and States	min, Inspiratory stop level 5~80%, Pressure		
Type Integrated, electronically controlled, Range D-70 cmHZO			
Nemitator Monitoring Ranges: TV (Inspiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, TV (expiratory tidal volume) 0-3000 mL, MV (Per-minute ventilation amount) 0-100 I/min, FiO2 (Oxygen concentration) 18-100%, Airway pressure 2-0-120cmH2O, PEEP 0-70cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Penak (Airway pressure) - 20-120 cmH2O, Penak (Airway pressure) o-120 cmH2O, Penak (Respiratory expiratory ratio) 4:1-1:12, Froq (Respiratory expiratory ratio) 6:10-10 cm 10-10 cm 1			
Ventilator Monitoring Ranges: TV (expiratory tidal volume) 0-3000 ml., TV (expiratory tidal volume) 0-3000 ml., MV (Per-minute ventilation amount) 0-100 L/min, FiO2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH2O, PEEP 0-70cmH2O, Ppeak (Nirway pressure) - 20-120 cmH2O, Ppeak (Michard pressure) - 20-120 cmH2O, Ppeak (Michard pressure) 0-120 cmH2O, Ppeak (Michard pressure) 0-120 cmH2O, Ppeak (Michard pressure) 0-120 cmH2O, Beard (Inspiratory expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 bpm. Compliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O/(SL)			
(expiratory tidal volume) 0-3000 ml., MV (Per-minute ventilation amount) 0-100 L/min, FiO2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) 0-120 cmH2O, Ppeak (Airway pressure) 0-120 cmH2O, Ppeak (Airway pressure) 0-120 cmH2O, Pier (Enformatory-expiratory ratio) 4:1-1:12, Freq (Respiratory-expiratory ratio) 4:1-1:12, Freq (Respiratory-expiratory ratio) 4:1-1:12, Freq (Respiratory-expiratory ratio) 4:1-1:12, Freq (Respiratory-expi			
(Per-minute ventilation amount) 0-100 L/min, FiO2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH2O, PEEP 0-70cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, IF 20 (Inspiratory - expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 mH2O, IF 20 (Inspiratory - expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 mby (Department) of the control of the contr			
FiO2 (Oxygen concentration) 18-100%, Airway pressure -20-120cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Pplat (Platform pressure) - 0-120 cmH2O, Plat (Platform pressure) 0-120 cmH2O, 1: E (Inspiratory- expiratory ratio) 4:1-1:12, Freq (Respiratory- expiratory- expir			
Airway pressure -20-120cmH2O, PEEP 0-70cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Mirway pressure) - 20-120 cmH2O, I: Et (Inspiratory - expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 cmH2O, I: Et (Inspiratory - expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 ppm, Compliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O/(s/L)  * At least 12.1" 800 x 600 Resolution Touchscreen Ventilator and Monitoring Main Display Screen must have/exhibit the following; Alarm Indicator, Patient Type, Patient Information, Alarm Message Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Icon, Ventilator's Monitoring Values Display Area, CO2 and O2 Monitoring Display Area, System Prompt Message Display Area, Stand- by Button, Timer, Ventilation Mode and Parameter Setting Display Area, Battery Status Indicator, Working Indicator, AC Power Indicator, Pressure and Volume histograms/Indicator display, AG Concentration Monitoring Display Area, and Current Ventilation Mode Display.  * AGSS (Anesthesia Gas Seavenging System) must have the following: Waste gas exhaust noozle connector, AGS waste gases outlet, Outer cone connector for hose of transfer system, Pressure Compensation Port, Main Body of AGSS System, Red Color Float, and Flow regulation Knob, Suction flow rate 50- 80LPM, Stainless steel mesh filter with pore size of 60-100um  * Optimal Flow Indicator  * At least two Monitoring Module Slots  * With a Heast two Storage Drawer with lock and key  * With Armest/Handle for easy maneuvering to and from Operating Room  * AT least four Auxiliary power output sockets with individuals socket breaker with output voltage of 100-240V, output frequency of 50/60Hz.  * Must have Ventilation Cooling Window and			
0-70cmH2O, Ppeak (Airway pressure) - 20-120 cmH2O, Ppeak (Platform pressure) - 20-120 cmH2O, Ppeak (Platform pressure) - 20-120 cmH2O, Ppeak (Platform pressure) - 20-120 cmH2O, I: E (Inspiratory- expiratory ratio) 4:1-1:12, Preq (Respiratory ratio) 4:1-1:12, Preq (Respiratory ratio) 4:1-1:12, Preq (Respiratory ratio) 4:1-1:12, Preq (Respiratory ratio) 4:1-1:12, Preq (Respiratory) - 20-120 bpm, Compliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O(s/EL)  • At least 12.1" 800 x 600 Resolution Touchscreen Ventilator and Monitoring Main Display Screen must have/exhibit the following; Alarm Indicator, Patient Type, Patient Information, Alarm Message Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Icon, Ventilator's Monitoring Values Display Area, CO2 and O2 Monitoring Display Area, System Prompt Message Display Area, System Prompt Message Display Area, System Prompt Message Display Area, Standby Button, Timer, Ventilation Mode and Parameter Setting Display Area, Battery Status Indicator, Working Indicator, AC Power Indicator, Pressure and Volume histograms/indicator display, AG Concentration Monitoring Display Area, and Current Ventilation Mode Display.  • AGSS (Anesthesia Gas Scavenging System) must have the following: Waste gas exhaust noozle connector, AGSS waste gases outlet, Outer cone connector for hose of transfer system, Pressure Compensation Port, Main Body of AGSS System, Red Color Float, and Flow regulation Knob, Suction flow rate 50-80LPM, Stainless steel mesh filter with pore size of 60-100um  • Optimal Flow Indicator  • At least two Monitoring Module Slots  • With ETCO2 module (capnography)  • Module must be compatible with the Patient Monitor  • At least for Auxiliary power output sockets with individual socket breaker with output voltage of 100-240V, output frequency of 50/60Hz.  • Must have Ventilation Cooling Window and			
20-120 cmH2O, plat (Platform pressure) 0-120 cmH2O, 1: E (Inspiratory- expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 bpm, Compliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O(s/L)  *At least 12.1" 800 x 600 Resolution Touchscreen Ventilator and Monitoring Main Display Screen must have/exhibit the following; Alarm Indicator, Patient Type, Patient Information, Alarm Message Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Icon, Ventilator's Monitoring Values Display Area, CO2 and O2 Monitoring Display Area, System Prompt Message Display Area, System Prompt Message Display Area, System Prompt Message Display Area, Standby Button, Timer, Ventilation Mode and Parameter Setting Display Area, Battery Status Indicator, Working Indicator, AC Power Indicator, Working Indicator, AC Power Indicator, Working Indicator, AC Concentration Monitoring Display Area, and Current Ventilation Mode Display.  *AGSS (Anesthesia Gas Seavenging System) must have the following; Waste gase soutlet, Outer cone connector for hose of transfer system, Pressure Compensation Port, Main Body of AGSS System, Red Color Float, and Flow regulation Knob, Suction flow rate 50-80LPM, Stainless steel mesh filter with pore size of 60-100um  *Optimal Flow Indicator  *At least two Monitoring Module Slots  With at least two Monitoring Module Slots  With Amrest/Handle for easy maneuvering to and from Operating Room  *At least two Handle for easy maneuvering and from Operating Room  *At least four Auxiliary power output sockets with individual socket breaker with output voltage of 100-240V, output frequency of 50/60Hz.			
0-120 cmH2O, 1: £ (Inspiratory- expiratory ratio) 4:1-1:12, Freq (Respiratory rate) 0-120 bpm. Compiliance 0-300 mL/cmH2O, Resistance 0-600 cmH2O/(s/L)  **A t least 12: **800 x 600 Resolution Touchscreen Ventilator and Monitoring Main Display Screen must have/exhibit the following; Alarm Indicator, Patient Type, Patient Information, Alarm Message Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Icon. Ventilator's Monitoring Display Area, Alarm Sound Pause Icon, System Date and Time, Main Power Supply and Battery Status Icon. Ventilator's Monitoring Display Area, System Prompti Message Display Area, Stand- by Button, Timer, Ventilation Mode and Parameter Setting Display Area, Stand- by Button, Timer, Ventilation Mode and Parameter Setting Display Area, Battery Status Indicator, Working Indicator, AC Power Indicator, Pressure and Volume histograms/Indicator display, AG Concentration Monitoring Display Area, and Current Ventilation Mode Display.  **AGSS (Anesthesia Gas Scavenging System) must have the following; Waste gas exhaust noozle connector, AGSS waste gases outlet, Outer cone connector for hose of transfer system, Pressure Compensation Port, Main Body of AGSS System, Red Color Float, and Flow regulation Knob, Suction flow rate 50- 80LPM, Stainless steel mesh filter with pore size of 60-100um  **Optimal Flow Indicator**  **A I Least two Monitoring Module Slots**  **With BeTCO2 module (capnography)*  **Module must be compatible with the Patient Monitor**  **A pes of Caster Wheel with Central Brake System**  **With Armest/Handle for easy maneuvering to and from Operating Room**  **At least from Operating Room**  **At least from Auxiliary power output sockets with individual socket breaker with output voltage of 100-240V, output frequency of 50/60Hz.*  **Wuth At least two Storage Drawer with lock and key**			
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EXHAUST FAIL	Exhaust Fan		

	Must have an accessible communication				
	interface port				
	<ul> <li>Must have Pipe-in centralized driving Gas</li> </ul>				
	Supply Interface (Oxygen and Air) with NIST				
	connection, Pressure range 280-600kPa	_			
	Must have Spare gas cylinder driving Gas				
	Supply Interface (Oxygen and Air) with PISS				
	connection, Pressure range 280-600kPa	_			
	Must have an equipotential stud for earth				T.
	ground	4			
	Must have a power cord hook for tidy cord				
	management	4			
	Must have a main power socket and its				
	system breaker	- 1			
	Must have comprehensive ventilation mode	1 1			1
	such as the following; Manual (Induction),	1 1			
	VCV, PCV, and PRCV (Maintaining				
	Anethesia), SIMV-VC, SIMV-PC, and SIMV-				
	PRVC (Anesthesia Recovery), PSV, and	1. 1			
	PSVPro (Practice of Spontaneous Breathing)				
	Must have at least 10 seconds shutdown delay				
		-			
	<ul> <li>Must have a Ventilator Operation Risk Reminder/Prompt</li> </ul>				
	Must have a central lock braking system				
	PATIENT MONITOR	- !			
	Main Display Monitor of not less than 12"	-i			1
	TFT Touchscreen and Navigation Knob with				
	3 built in module slots for various monitoring				
	parameters, must have a built in thermal				
	printer, must not exceed 5kg, 360' visible				
	(Dual Alarm) Indicator Light, must have fixed			ji s	
	hidden handle, must have Al-Mg alloy stent			1	
	design, Easy to maintain, must have these six				
	conventional monitoring parameters of 5-Lead				
	• ECG (optional 3/12-lead) and provides 26				
	arrhythmia analysis, Heart Rate Respiration,				
	Dual-Temperature that can measure skin and				
	oral/anal temperature simultaneously, SpO2				
	provides i-sports and anti-low perfusion,				
	AcuTec NIBP High Accuracy technology for				
	Hypertension. Power Supply 100-240V,	1			
	50/60Hz +/-1Hz, must use 4400mAh Lithium-		No.		
	Ion rechargeable battery with charging time of 6 hours and 3-6 hours continuous battery back				
1	<ul><li>• Monitoring/Functional Modules can be place</li></ul>	1 1			
	in one auxiliary rack/hub with a maximum	1 1			
	capacity of 10 module slots that works in any	1 (1			
- 1	order.	1 1			
	Various User Interface such as Standard	1 1			
	Interface, Big Font, Trendm OxyCRG, List,	1			
1	Bed to Bed and 7-Lead ECG/12-Lead Full	1 1	1		
	Screen Cascade ECG	1 1			
	Date storage Alarm Event Recall: 200				
	groups, Wave Recall: 2 hours, NIBP Recall:	1			
	2000 groups, Trend Graph: 120hours, Trend	1 1			
	Table: 120hours, ARR Event: 100 groups				
	<ul> <li>Interfacing USB interface, RJ45 network</li> </ul>				
	interface, and Plug-in slot				
	• Recorder Type: Built-in; Thermal array,				
	Channel: 3 channel waveforms, Speed:				
	25mm/s,50mm/s, Record width: 50mm,				
ŀ	External printer: Yes	-			
	Respiration Method: RA-LL Impedance     Mathed RR				
	Method, RR measurement range: (Adult: 0-				

120rpm, Pediatric/Neonate: 0 -150bpm).	
Accuracy: 7-150rpm ±2rpm or ±2%	
(whichever isgreater), 0-6rpm: unspecified,	
RESP Apnea Alarm: Adult: 10s-60s Ped/Neo	
10s~20s, Alarm: Audible and visual alarm;	
alarm events reviewable, Sweep Speed:	
6.25,12.5, 25 mm/s, Gain Selection: X0.25,	
X0.5, X1, X2, x4	
SpO2 Measurement & alarm range:	
0~100%, Resolution: 1%, Accuracy: ±2%	
$(70\sim100\%, \text{Ped/Adu, non-motion}), \pm 3\% (70-$	
100%, Neo, non-motion); 0-69% unspecified,	
PR Measurement Range: 25250bpm,	
Resolution: 1bpm	
Accuracy: ±1bpm, Alarm range: 20~350bpm,	
Temperature (Dual Channel) Measurement	
& alarm range: 0~50°C, TEMP sensor:	
Standard configuration- skin TEMP sensor,	
Resolution: 0.1°C, Accuracy: ±0.1°C	
(exclusive of error of sensor), Channel type:	
T1, T2, TD (Temperature Difference)	
Dual IBP Module	
PRONE POSITIONING SYSTEM	
• Fully adjustable height and width of the base	
for proper fitting of most adult patient head ar	ıd
pediatric patients (at least 37.17 kg)	
- Open design for greater visibility of	
patient's eyes and ET tube and allows use of	
temporal nerve stimulation during procedure	
- Mirror made from durable polycarbonat	
material	
material	
- Prone contoured cushion set (latex free)	
(Mich 100)	
MR conditional	
<ul> <li>3 piece system – base, mirror and cushic</li> </ul>	n l
a. mirror: 500 grams or less	
b. mirror materials: polycarbonate	
c. base weight: 800 grams or less	
d. foam set weight: 250 grams or less	
e. foam set material - polyturethane	
Basse hardware material shall be stainless	
steel	
f. adjustable height (vertical): 24.5mm -	
approx. 1"	
g. adjustable depth (horizontal): 40.0mm -	
approx. 1.5"	
Warranty	
Atleast 3 Years Warranty on Parts and	
Labor	4
Delivery Period:	
60 Days	-
Terms of Reference:	
CTC certification of current and valid	
Authorized or Exclusive Distributorship.  CTC certificate of current and valid	-
Manufacturer's compliance with ISO 13485.	
Notarized / Apostilled certification from the	-
manufacturer stating that the equipment is	
brand new, unused and not a discontinued	
model or was listed in the market recall.	
Notarized certificate guaranteeing the	
availability on the supply of spare parts of at	
TEX TOTAL	

	least ten (10) years from end of production. A certification must be issued by the manufacturer for the bidder.  CTC of certification that the bidder must be in the business in the local market for a minimum of ten (10) years.  Notarized / Apostilled certification that the system or machine is not a retrofit solution.  CTC certificate of manufacturer's approved US FDA Premarket Notification (PMN) or CE Mark Approval.  The winning bidder shall provide current and valid calibration certificate for each equipment during delivery if deemed necessary.  Notarized / Apostilled certification that the supplier has the capability or authority for corrective and preventive maintenance of the equipment's. The certificate must be issued by the manufacturer to the bidder.  CTC of certification from the manufacturer authenticated by the Philippine consulate / apostilled from the country of origin of the unit that the warranty should not be affected with a change of distributor. (Local Notary Public can be.)  Warranty Certification: Notarized certification that the bidder/supplier shall provide a three (3) years warranty for parts and services that include corrective maintenance, preventive maintenance, and/or calibration. The warranty shall commence upon the acceptance of the end user.  Notarized certification that the supplier / bidder must provide preventive maintenance and/or calibration schedule within warranty period.  Notarized certification that the supplier / bidder must provide applications training and certification for end users and maintenance personnel of the hospital.  Unedited copy of Manuals: two (2) sets of Service Manual in English Language and two (2) sets of User Manual in English Language upon delivery of the equipment.					
3	CENTRAL MONITORING SYSTEM WITH 16 BASIC CARDIAC MONITORS AND 2 SPECIAL CRITICAL CARE MONITORS WITH EEG  Display: 12.1-inch color TFT LCD touchscreen Resolution: 800 × 600 dots Waveforms: 4 - 6 Saved waves: 120 hours of one ECG wave (or SpO2 if ECG is not measured) Trend graph: 120 hours Numeric value list: 120 hours Arrhythmia recall: 120 hours Alarm history: 120 hours Battery operation time: 6hours	1 Set	MODULAR HOSPITAL 6	National Center for Mental Health	a. b.	One-time delivery within sixty (60) calendar days upon receipt of Notice to Deliver  Terms of payment at least 60 days from receipt of

Recorder: 3 traces	Sales
Network Interface: Standard	invoice
Interbed: 8 beds	
Interbed gives quick access to check any	
patient in the network.	
From any monitor, you can check the vital	
information and alarm status of any other	
monitor in the network. With this interbed	
function, you can immediately check the	
status of any patient. This leads to better care	
for all patients	
Interbed: 8 beds	
Dimension: 330 W × 274 H × 156 D mm	
Weight: 4kg	
Parameters: ECG, Temperature, Spo2, NIBP,	
Respiration capable for CO2, IBP	
◆ Non Invasive Blood Pressure, NIBP	
Measuring method: Oscillometric	
Measuring range: 0 to 300 mmHg	
Cuff pressure display range: 0 to 300 mmHg	
Accuracy: $\pm 3 \text{ mmHg} (0 \text{ mmHg} \le \text{NIBP} \le 300)$	
mmHg)	
Cuff inflation time:	
Adult/Child: ≤ 11 s (700 cc), 0 to 200 mmHg	1
Neonate: $\leq 5$ s (70 cc), 0 to 200 mmHg	
Measurement mode: Adult, child or neonate	1
Maximum measurement time:	1
Adult/Child: \le 160 s	
Neonate: ≤ 80 s	
Operation mode: Manual, STAT (≤ 15 min),	
Periodic and SIM (depends on the SITE	1
setting)	
Auto remeasurement: 1 time	
Air leakage: ≤3 mmHg/min	
Systolic range:	
Adult: 40 - 280 mmHg	
Child: 40 - 280 mmHg	
Neonate: 30 - 140 mmHg	
Diastolic range:	
Adult: 10 - 235 mmHg	
Child: 10 - 235 mmHg	
Neonate: 10 - 110 mmHg	
Mean range:	
Adult: 20 - 255 mmHg	
Child: 20 - 255 mmHg	
Neonate: 15 - 125 mmHg	
Initial pressurization value:	
Adult: 180 mmHg	
Child: 140 mmHg	
Neonate: 100 mmHg	
Maximum pressurization value:	
Adult/Child: 300 mmHg	
Neonate: 150 mmHg	
Display items: Systolic (SYS), diastolic	
(DIA), mean (MAP), cuff pressure during	
NIBP measurement, pulse rate	
NIBP data display update cycle: Updated	
every measurement	
◆ Temperature	
Measuring range: 0 to 45°C, 32 to 113°F	
Measuring accuracy*:	
$\pm 0.2$ °C (25°C $\leq$ TEMP $\leq$ 45°C)	
±0.3°C ( 0°C ≤ TEMP < 25°C)	
* Essential performance in EMC standard	
Internal noise: ≤ 0.014°C (at 37°C)	

	Temperature drift: within ±0.005°C /°C		
	Display range: 0 to 45°C (32 to 113°F)		
	Display update cycle: Every 3 s or when alarm		
	is generated.		
	Time response delay from probe to monitor		
	display: ≤ 6 seconds (sensor time constant is		
	not included)		
	Recovering time after defibrillation: 10 s		
	Alarm:		
	Upper limit range: 0.1 to 45.0°C (33 to 113°F)		
	in 0.1°C (1°F) steps, OFF		
	Lower limit range: OFF, 0.0 to 44.9°C (32 to		
	112°F) in 0.1°C (1°F) steps		
	♦ ECG	1	
	Leads:		
	3-electrode cable: I, II, III		
	5-electrode cable: I, II, III, aVR, aVL, aVF, V		
	Defibrillation-proof: ECG input protected		
	against 400 Ws/DC 5 kV IEC 60601-2-		
	27:2011201.8.5.5 compatible		
	Electrode offset potential tolerance: ≥ ±500		
	mV		
	Input dynamic range: ≥ ±5 mV		
	Internal noise: $\leq 30 \mu\text{Vp-p}$ (Referred to input)		
	Noise suppression:		
	RL driving gain: maximum 40 dB		
	Maximum voltage: 1.23 Vrms		
	Common mode rejection ratio: ≥ 95 dB		
	Input bias current: ≤ 100 nA		
	Frequency response:		
	DIAG mode: 0.05 to 150 Hz (-3 dB)		
	MONITOR mode: 0.3 to 40 Hz (-3 dB)		
	MAXIMUM mode: 1 to 18 Hz (-3 dB)		
	Input impedance: $\geq 5 \text{ M}\Omega$ (at 10 Hz), $\geq 2.5$		
	$M\Omega$ (at 0.67 to 40 Hz)		
	ESU protection: Provided (IEC 60601-2-27:		
	2005 compatible)		
(	Recovery time after defibrillation: 10 s		
	Leads-off sensing: Each leads has own		
	sensing with user configurable automatic lead		
	change		
	Active electrode: < 100 nA Reference electrode: < 500 nA		
	Waveform display:		
	Display sensitivity: 10 mm/mV ±5% (DIAG		
	mode at ×1 sensitivity)		
	Number of channels: 2 (maximum, with 5		
	electrodes on home screen)		
	Sensitivity control: $\times 1/4$ , $\times 1/2$ , $\times 1$ , $\times 2$ , $\times 4$ , or		
	AUTO		
	Pacing mark display: Available		
	Cascade ECG Waveform: Available		
	Recording sensitivity: 10 mm/mV ±5% (same		
	as the display sensitivity)		
	Heart rate count:		
	Calculation method: Moving		
	average/Instantaneous beat to beat		
	QRS detection (at × 1 sensitivity):		
	Adult: Width: 70 to 120 ms, Amplitude: 0.5 to		
	5 mV, rate: 30 to 200 beats/min		(
	Child and neonate: Width: 40 to 120 ms,		
	Amplitude: 0.5 to 5 mV, rate: 30 to 250		
	beats/min		
	Counting range: 0, 15 to 300 beats/min (±2		
	beats/min) Counting accuracy: ±2 beats/min (0, 15 to 300		
	beats/min) (Essential performance in EMC		
	The state of the s		

standard)			
Heart rate display update cycle: Every 3 s or			
when alarm is generated			
Heart rate sync mark delay time: within 100 to			
200 ms (when QRS is detected)			
Tall T-wave rejection capability: Complies			
with the heights of T-waves from 0 mV to 1.2			
mV specified in IEC 60601-2-27:2011			
201.12.1.101.17			
Heart rate averaging: Calculated by using the			
most recent 4 or 12 beats.			
Pacemaker pulse detector rejection of fast			
ECG signals:			
Slew rate at which the pacemaker pulse		l l	
detector responds: 6 to 8 V/s			
Tested as specified in ANSI/AAMI EC13			
·			
Sect. 4.1.4.3			
Pacemaker pulse rejection capability, without			
overshoot:			
Overshoot amplitudes and time constants of			
±0.12 mV/100 ms to ±2 mV/4 ms			
(As defined by method B of IEC 60601-2-27:	i		
2011 201.12.1.101.13, this corresponds to the			
pacemaker pulses amplitudes and widths as			
follows:			
Pacemaker pulse:±4 mV/2 ms to amplitudes			
±80 mV/0.1 ms.)			
Heart rate alarm:			
Upper limit range: 16 to 300 beats/min, OFF			
in 1 beat/min steps			
Lower limit range: OFF, 15 to 299 beats/min			
in 1 beat/min steps			
Alarm items: TACHYCARDIA,			
BRADYCARDIA, Escalating Alarm leads off			
time, CANNOT ANALYZE			
Arrhythmia analysis:			
Analysis method: Multi-template matching			
method			
Number of channels: 1			
QRS detection type: Adult, child, neonate			
VPC counting rate: 0 to 99 VPCs/min			
Arrhythmia message: ASYSTOLE, VF, VT,			
VPC RUN, TACHYCARDIA,			
BRADYCARDIA, COUPLET, EARLY VPC,			
BIGEMINY, FREQ VPC, VPC			
Other messages: NOISE, CHECK			1 1
ELECTRODES, LEARNING			
Arrhythmia alarm: Upper limit range: OFF, 1			
to 99 VPC/min			
Number of arrhythmia recall files: 120 hours			
Storage time per file: 10 s			
ST level measurement:			
Number of measurement channels:			
3-electrodes: 1 ch			
5-electrodes: 2 ch			
ST level measuring range: ±2.5 Mv			] ]
Measurement point: automatic with possibility			
to adjust manually			
ST level alarm:			
Upper limit range: -1.99 to 2.00 mV in 0.01			
mV steps, OFF			
Lower limit range: OFF, –2.00 to 1.99 mV in			
0.01 mV steps			
◆ SpO2			
Display:			
Display range: 0 to 100%SpO2			
Declared range: 70 to 100%SpO2		J	

	Critical Care MONITOR (2 units)	
	D' L CULTEID D' 1 ' 41 4	
	Display: CU-151R Display size: at least	
	15inch color TFT LCD Resolution: 1280 x	
	800 dots Pixel pitch: 0.204 x 0.204 Display	
	type: Resistive touchscreen display	
	Measuring parameters: ECG (3/6/12 lead),	
	respiration (impedance method), SpO2, SpO2-	
	2, NIBP, temperature	
	Waveform display mode: Moving or fixed	
	Normal Sweep speed: 25, 50 mm/s	
	Slow sweep speed: 1.56, 6.25, 12.5 mm/s	
	Display colors: 32, selectable	
	Number of traces: Up to 15 traces on one	
	display	
	Position of numeric data: Selectable (Left or	
	· ·	
	right)	
	Number of screen layouts: 3 for each display	
	(A layout can be changed with one touch by	
	function key)	
	ALARM:	
	Alarm items: Upper/lower alarms, arrhythmia	
	alarms, interbed alarms, technical alarms	
	Alarm levels: Crisis (red, blinking), Warning	
	(yellow, blinking), Advisory (yellow or blue,	
	lit)	
	Alarm indication: Message, highlighted	
	numeric value, blinking alarm indicator, alarm	
	sound	
	Alarm suspend: Provided (for 1, 2, 3 min, Off)	
	When connected to a central monitor, this	
	alarm can be adjusted from the central	
	monitor.	
	Auto setting: Upper/Lower alarm, ST level	
	Interbed alarm setting: All, Crisis & Warning,	
	Crisis, Off	
	POWER REQUIREMENT:	
	AC: 100 to 240 V	
	DC (battery): 10.8 V	
	Line frequency: 50 or 60 Hz	
	Battery	
	Type of battery: Lithium ion	
	Battery operation time: at least 2 hours	
	REVIEW:	
	The state of the s	
	Trend graph: Storage capacity: 72 hours, Type	
	of trend graph: 3 trend graphs, CSA, DSA	
	Number of parameters in each trend graph: Up	
	to 9 Number of channels for CSA/DSA: Up to	
	8	
1	y <del>-</del>	
	Vital sign list: Storage capacity: 72 hours	
	Number of vital sign list: 3 Number of	
	parameters displayed in each list: Up to 15	
	List interval: 1, 5, 10, 15, 30 or 60 min	
	ECG:	
	Leads:	
	3-electrode cable: I, II, III	
	6-electrode cable: I, II, III, aVR, aVL, aVF, 2	
	from V1 to V6	
	10-electrode cable: I, II, III, aVR, aVL, aVF,	
	V1 to V6	
	Heart rate counting range: 0, 15 to 300	
	beats/min (±2 beats/min)	
	Arrhythmia analysis: Analysis method: Multi-	
	template matching method	
	Arrhythmia alarm items: ASYSTOLE, VF,	
	VT, EXT TACHY, EXT BRADY, VPC RUN.	
	VI, DALIACHI, DALBRADI, VICKUN,	

V BRADY, SV T	ACHY, TACHYCARDIA,				
BRADYCARDIA	, PAUSE, COUPLET,				
	JLTIFORM, V RHYTHM,				
	GEMINY, FREQ VPC,				
	A-Fib, IRREGULAR RR,				
	R, NO PACER PULSER,				
PACER NON-CA					
	tion: Analysis software:				
ECAPS 12C					
	ring 18 Leads ECG.	_			
RESPIRATION (					
0	d: Transthoracic impedance				
pneumography					
Number of channe	els: Selectable from R-F or				
RL					
Respiration rate co	ounting range: 0 to 150				
counts/min					
Respiration rate co	ounting accuracy: ±2				
counts/min (0 to 1	50 counts/min)		1		
Apnea detection ti	ime: Off, 5 to 40 s				
	oxycardiorespirogram)				
	ssed trends of beat-to-beat		1		
	ion, and oxygenation levels.				
	octors detect the cause of				
apnea attack.					
	BLOOD PRESSURE,				
NIBP:	DBOOD TIMESOUTH,				
Measuring method	d: Oscillometric				
Measuring range:					
Accuracy: ±3 mm					
	iracy (based on ISO 81060-				
	ion: ≤±5 mmHg Cuff				
	ult/childe: $\leq 11 \text{ s } (700 \text{ cc}), 0$	1			
	onate: $\leq 5 \text{ s } (72 \text{ cc}), 0 \text{ to } 200$				
mmHg	A1 STAT				
	Manual, STAT, periodic,				
SIM (depends on t		1			
	gers NIBP even at periodic				
NIBP measuremen					
	systolic pressure during				
	natically deflates to get the				
	Provides fast and painless				
measurement of N	IBP.				
SpO2:					
1 -	nt: Compatible with Masimo				
Pulse Oximeter					
a. Display range: I					
	70 to 100 % SpO2	4			
Measuring accurac					
	%SpO2 (adult) ±3%SpO2			))	
(neonate)					
b. Motion: ±3%Sp	O2 (adult) ±3%SpO2				
(neonate)					
c. Perfusion index:					
d. Capable of acou	stic respiration rate				
Temperature:					
- Number of chann	nels: up to 4				
	e: 0 to 45°C, 32 to 113°F				
Interbed Capability					
	ta of other patient monitor				
	monitor. Both individual				
	l display are available.				
Drug Calculation:	and a minimum				
	flow rates and dosages for				
	ration. Ideal solution for				
medical and param					
medicai and paran	reateur personner.				

Cardiac Output, CO (Non-Invasive)		
- To calculate cardiac output noninvasively		
and continuously. It uses Pulse Wave Transit		
Time which is obtained from the SpO2 and		
ECG-signals. It can continuously display		
esCCO, esCCI, esSV, esSVI, esSVR and		
esSVRI.		
- Can obtain through the parameters of ECG,		
Sp02 and NIBP.	_	
Software		
Continuous Cardiac Output Monitoring		
estimated Continuous Cardiac Output using		
ECG, pulse wave and blood pressure		
Estimated Continuous Cardiac Output derived		
from pulse wave transit time (PWTT)		
Only uses preexisting parameters, ECG,		
SpO2, and blood pressure		
Clinically acceptable accuracy		
Simpler to use (no special skill required)		
Potential Applications		
- Advanced monitoring of patients in ER, OR,		
recovery room and ICU		
- Hemodynamic monitoring after pulmonary		
artery catheters (PACs) removal. esCCO will		
support the earlier removal of PACs.		
- Hemodynamic optimization of patients who		
cannot use PACs		
- Support in the decision making process for		
goal-directed fluid management and more	-	
ELECTROENCEPHALOGRAM (EEG) HEAT SET		
Quick and simple EEG Monitoring 8 channels		
Noise-robust EEG recording		
- Built in active amplifier reduces external		
noise		
- Built in motion sensor makes it easier to		
distinguish a seizure wave form noise cause		
by motion		
Bluetooth wireless communication	-	
Detection of nonconvulsive seizures and		
characterization of spells in patient with		
altered mental status with:		
- A history of epilepsy		
- Flutuating level of consciousness		
- Acute brain injury		
- Recent convulsive status of epilepticus		
- Stereotyped activity such as paroxysmal		
movements, nystagmus, twitching, jerking,		
hippus, automatic variability		
Monitoring of ongoing therapy		
- Induced coma for elevated intracranial		
pressure or refractory status epilepticus		
- Assessing level of sedation		
Ischemia detection		
- Vasospasm in subarachnoid hemorrhage		
- Celebral ischemia in other patients at high		
risk for stroke		
Prognosis	1	
- Following cardiac arrest		
- Following acute brain injury		
AMPLIFIER		
Number of Electrodes:		
T. M. O. Z. S. S. G.		
- 10 (EEG electrodes 8, Reference electrode 1,		
Z electrode 1)		

Noise Level:	
- 5 Vp-p or less (0.53 to 60 Hz)	
CMRR:	
- 90 Db or more	
Input dynamic range and differential offset	
voltage:	
- ≠500 Mv or more	
DATA PROCESSING COMPONENTS	
Sensitivity:	
- 5 to 200 μV/mm	
Time constant/low-cut filter:	
- 0.03, 0.1, 0.3 sec/0.53, 1.6, 5.3 Hz	
High-cut filter:	
- 60, 50 (RAPID), 35, 30,, 15 Hz	
AC Filter:	
- 50/60 Hz	
OTHERS	
Safety:	
- Defibrillation-proof type BF applied part	
Resistance to water/dust:	
- IP33	
Battery:	
- AA (LR6) Alkaline battery: 2pcs Dimension and Height:	
- 56 W x 43 H X 151 D mm,	
- 240g (without the belts, forehead pad and	
batteries)	
Consumables	
- With disposable electrode for EEG initial 2	
starting kits	
Warranty for parts and service	
3 years	
Delivery Period:	
60 Days	
Terms of Reference:	
CTC certification of current and valid	
Authorized or Exclusive Distributorship.	
CTC certificate of current and valid	
Manufacturer's compliance with ISO 13485.	
Notarized / Apostilled certification from the	
manufacturer stating that the equipment is	
brand new, unused and not a discontinued	
model or was listed in the market recall.	
Notarized certificate guaranteeing the	
availability on the supply of spare parts of at least ten (10) years from end of production. A	
certification must be issued by the	
manufacturer for the bidder.	
CTC of certification that the bidder must be in	
the business in the local market for a	
minimum of ten (10) years.	
Notarized / Apostilled certification that the	
system or machine is not a retrofit solution.	
CTC certificate of manufacturer's approved	
US FDA Premarket Notification (PMN) or CE	
Mark Approval.	
The winning bidder shall provide current and	
valid calibration certificate for each	
equipment during delivery if deemed	
necessary.	
Notarized / Apostilled certification that the	
supplier has the capability or authority for	
corrective and preventive maintenance of the	
equipment's. The certificate must be issued by the manufacturer to the bidder.	

	CTC of certification from the manufacturer
	authenticated by the Philippine consulate /
	apostilled from the country of origin of the
	unit that the warranty should not be affected
	with a change of distributor. (Local Notary
	Public can be.)
	Warranty Certification: Notarized certification
	that the bidder/supplier shall provide a three
	(3) years warranty for parts and services that
	include corrective maintenance, preventive
	maintenance, and/or calibration. The warranty
	shall commence upon the acceptance of the
	end user.
	Notarized certification that the supplier /
	bidder must provide preventive maintenance
	and/or calibration schedule within warranty
	period.
	Notarized certification that the supplier/bidder
	shall provide applications training and
	certification for end users and maintenance
	personnel of the hospital.
	Unedited copy of Manuals: two (2) sets of
	Service Manual in English Language and two
	(2) sets of User Manual in English Language
	upon delivery of the equipment.
	Notarized certification that the bidders have
	installation in critical care areas of DOH
	APEX HOSPITAL i.e. Philippine Heart
	Center, Lung Center of the Philippines, NK II,
	and the like for the past 5 years