



PURCHASE REQUEST
Province of Bohol



Department: Provincial Health Office			SAI No:	Date:Date:Date:	
Section:			OBR No:		
ITEM NO.	QUANTITY	UNIT OF ISSUE	SAI NO.	ESTIMATED UNIT COST	ESTIMATED COST
1	12	Unit	Dialysis Machine With Touch Panel Color Display With programmable rinsing Function: Acetate dialysis; Bicarbonate liquid dialysis; Sequential dialysis; Double needle dialysis; Single needle; Single Pump dialysis; and Ultrafiltration, Sodium and bicarbonate profiles Ultrafiltration Control: UF Rate: 0, 0, 10 TO 5.00 liters/hr Accuracy: ± 30 gm/hr OR 1% Whichever higher Bicarbonate dialysis Bicarbonate: at least 1.0 TO 8.0Ms/cm Total conductivity: at least 10.0 TO 17.0mS/cm Acetate dialysis: Acetate: at least 10.0 TO 17.0mS/cm Can save up to four (4) types of dialysate solutions Dialysate flow range: At least 300 TO 700mL/min (Standard: 500mL/min) Dialysate temperature: At least 34.0 TO 40.0°C Water supply inlet flow rate: 1100mL/min or more Arterial pressure monitoring display range: at least -300 TO at least +300 mmHg Venous pressure monitoring display range: at least -200 TO at least +400 mmHg Blood pump flow range: at least 0, 50 TO 600 mL/min Heparin pump: Delivery range: at least 0, 0.1 TO 9.9 mL/hr Bolus volume: at least 0.1 TO 5.0 mL Syringe size: should have choices of 10, 20 AND 30 cc With stop program With air bubble detector by ultrasonic sensor With safety monitors for Air bubble, power failure, TMP, blood leak, conductivity and temperature of dialysate, arterial, venous and dialysate pressure With Auto self check function With easy maintenance function enables staff to easily perform servicing and maintenance without additional PC Hydraulics can be pulled out from machine With options for backup battery, additional chemical rinse port Supplied with 3kW AVR	1,365,000.00	16,380,000.00
2	1	Unit	Dialyzer Reprocessor, Fully Automated for Hepa Negative Patients Fully automated Dialyzer Reprocessor for Negative Hepa Water requirements: Purity: in accordance with AAMI/ANSI standard for hemodialysis systems. Filtered through a 1.0 micron or finer filter. It must meet both endotoxin and bacterial specifications listed in AAMI Recommended Practice For Reuse of Hemodialyzers Input pressure: 138-279.3 KPa Ave. Flow rate: 1.75L/min. Peak flow rate: 6L/min Water temperature: 59°-75° F Drain requirements: 6L/min. no higher than 6" above top surface of machine. Drain vented to atmosphere. Must be supplied with Portable Wireless PC-Based ECG with the following specifications: High resolution ECG processing, resolution of 12 bits (2.44 μ V/LSB) With option to function as both rest and stress ECG With wireless communication interface using Bluetooth 2.0+EDR, Class1 With ECG interpretation software validated by a top European Institution Must be able to get a complete ECG recording in 10 seconds ECG sampling rate: 250, 500, 1000 samples per second Able to print in A4 format plain paper printing during the test	1,590,000.00	1,590,000.00

			<p>Export test results into formats: PDF, DICOM, HL7, Jpeg, XML, plain text, GDT, Native RAW data</p> <p>Sensitivity: 5, 10, 20, 40 mm/mV</p> <p>Horizontal scale: 12.5, 25, 50, 100 mm/sec</p> <p>With lead off detection</p> <p>With defibrillation protection</p> <p>System software compatible with Microsoft Windows 10, Android, and Apple iOS for rest ECG</p> <p>Size: At most 100 x 80 x 30 mm</p> <p>Weight: At most 150 grams without battery</p> <p>Supplied with computer and printer</p>		
3	1	Unit	<p>Dialyzer Reprocessor, Semi Automated for Hepa Positive Patients</p> <p>Semi automated Dialyzer Cleaning Station for Positive Hepa Frame Material: 800mmH x 400mmL x 260mmW Panel Box Type (PVC Plate Materials)</p> <p>1 unit Dialyzer Testing Parameters @ Maximum Pressure 8-14 PSI</p> <p>1 unit Adjustable 15-35 PSI Pressure Regulator Valve</p> <p>PVC Pipe and Fittings</p> <p>Chemical Grade Hose and Fittings</p> <p>Compatible to any type of disinfectant</p> <p>1 unit 30 Liters Polyethylene Chemical Tank with Stainless Steel Skid Base</p> <p>1 unit Dialyzer Quick Connect with Dialyzer Holder.</p> <p>1 unit Chemical Pump</p> <p>Electrical Control System. One (1) unit CE Certified S/S Solenoid Valve for Dialyzer Cleaning Procedure</p> <p>1 unit CE Certified S/S Solenoid Valve for Dialyzer Filling Chemical</p> <p>1 unit CE Certified S/S Solenoid Valve for Auto Reverse Ultra-Filtrate</p> <p>1 unit Programmable Rievtech PLC 110-240VAC 16 Digital Input and 10 Digital Output</p> <p>1 unit Illuminated Push Button Switch Green (Rinsing Procedure)</p> <p>1 unit Illuminated Push Button Switch Red (Filling Chemical)</p> <p>1 unit Reverse Ultra Filtrate LED Indicator Yellow</p> <p>1 unit 250ml Plastic Graduated Cylinder</p>	425,000.00	425,000.00
4	12	Unit	<p>Dialysis Chair</p> <p>Made with heavy duty mechanical steel plate</p> <p>Made with marine plywood and solid wood frame</p> <p>Uses Uratex foam with regent brand leader cover or better</p> <p>With heavy duty caster roller</p> <p>Fitted with 2 pcs side laminated side table</p>	48,000.00	576,000.00
5	1	Unit	<p>Reverse Osmosis System, Double Pass</p> <p>First Stage Reverse Osmosis System</p> <p>2 units alternating 3 HP Single Phase Reverse Osmosis Multi Stage Vertical Pump</p> <p>(Operating pressure at 200 to 250 PSI, made of high-grade stainless steels) (1 unit as back up and will function automatically when the other pump stops (Single Phase)</p> <p>4 units 4040 Thin film Hydranautics Membrane with large spiral design (US BRAND)</p> <p>4 units 4040 FRP pressure membrane vessel</p> <p>Fiber glass construction, End entry connections, Full range of diameter and pressure ratings, High resistance to chemical and high level of chlorides, True lock integrated locking system</p> <p>1 unit 20" Big filter housing clear w/ 5micron sediment filter</p> <p>All Components in Contact with Pure Water meets AAMI Standard</p>	1,500,000.00	1,500,000.00
			<p>2 units Panel Mounted Flow Meter (0-10 GPM) percentage rejection, percentage recovery, permeate/product flow.</p> <p>1 unit flow meter for Recycle water</p> <p>2 units Dial Stainless 350 and 150 PSI Oil Pressure Gauges</p> <p>1 unit Pressure Regulator Control Valve 1/2" NPT S/S 316</p> <p>1 unit visual digital conductivity meter (TDS meter for 1st stage pure water product)</p> <p>Automatic Control System</p> <p>Other Features:</p> <p>The system should be equipped with a recycle valve and with flushing option.</p> <p>1 unit Low Pressure Switch controlled by a timer that will automatically stops the RO pump after detection of low pressure.</p>		

		<p>1 unit Automatic Shut-off Solenoid Valve 1/2" NPT (bypass valve that can be activated manually if ever the solenoid valve malfunction.</p> <p>1unit Auto Flushing Solenoid Valve 1/2 "NPT</p> <p>The RO system Stainless Steel Full Skid Frame</p> <p>An independent control system</p> <p>Equipped with sampling port for pure water sampling (install before first pass tank)</p> <p>Second stage Reverse Osmosis Unit</p> <p>2 units alternating 2HP Reverse Osmosis Multi Stage Vertical Pump (Operating pressure 200 to 250 PSI, made of high-grade stainless steels) (1 unit as back up and will function automatically when the other pump stops (220VAC single phase)</p>		
		<p>3 units 4040 FRP pressure membrane vessel</p> <ul style="list-style-type: none">•Fiber glass construction•End entry connections•Full range of diameter and pressure ratings•High resistance to chemical and high level of chlorides•True lock integrated locking system <p>3 units 4040 Thin Film Hydranautics Membrane with large spiral design (US BRAND)</p> <p>2 units panel mounted 0-10gpm flow meter</p> <p>1 unit 4000 Liters Polyethylene Pure Water holding tank</p> <p>1 unit Dial Stainless 350 PSI Oil Pressure Gauges</p> <p>1 unit Pressure Regulator Control Valve 1/2" NPT S/S 316</p> <p>1 unit visual digital conductivity meter (TDS (ppm) meter for 2nd stage pure water product)</p> <p>Equipped with sampling port for pure water sampling (installed before second pass tank)</p> <p>PRE-TREATMENT EQUIPMENT SPECIFICATIONS</p> <p>1 unit 14" x 65" Multi-Media FRP Tank (With Graded Media: Peebles, Silica Sand, Anthracite and Garnet 10-20micron removal). Must include manual/automatic timer backwashing head, pressure gauges on the inlet and outlet of the tank. Must have valve for water sampling and emergency bypass valve.</p> <p>2 units 14" x 65" Granulated Activated Carbon FRP Tank. Must include manual/automatic timer backwashing Head (With Graded Media: Peebles, Quartz Sand, Industrial Grade Activated Carbon). Must-include pressure gauges on the inlet and outlet of the tank, water sampling and emergency bypass valve.</p>		
		<p>1 unit 16" x 65" Water Softener FRP Tank with Manual/Automatic Backwashing Head (With Graded Media: Peebles, Purolite Resin C-100E Resin). Must have pressure gauges on the inlet and outlet of the tank, and water sampling and emergency bypass valve.</p> <p>Sampling Port for Multi-Media, Carbon and Water Softener filter</p> <p>Individual pressure gauge for Multi-Media, Carbon and Water Softener</p> <p>1 set Raw Water conditioning system</p> <p>1unit Brine Tank with Hose and Strainer (Capacity-130 kgs of Salt</p> <p>2 units automatic pump control</p> <p>1 set automatic pressure regulator control valve</p> <p>2 units alternating 2HP Single Phase RAW Water Multi Stage Horizontal S/S Pump head back-up system (1 unit as back up and will function automatically when the other pump stops) (220VAC Single Phase).</p> <p>Complete Piping using Scheduled 40 PVC Pipe, Ball Valves and Fittings (Gray)</p> <p>Stainless Steel Fittings</p> <p>DISTRIBUTION SYSTEM</p> <p>1 unit 4,000 liters Polyethylene 2nd stare pure water storage tank</p> <p>2 units 1.5HP S/S head distribution Pump (220VAC Single Phase)</p> <p>2 units automatic Pump Control</p> <p>1 set automatic pressure regulator control valve</p>		

			1 unit Twenty (20) inches Filter Housing with 1Micron Filter 1 unit 6 GPM Ultra Violet Lamp ELECTRICAL CONTROL SYSTEM Automatic water control and monitoring system for whole water treatment including the RO machine. 1 unit Control Panel Box 2 sets Programmable Logic Control for system auto and manual operation and alarm Application: Auto alternate operation Pump tripped auto changeover Pump tripped alarm Fill up signal on delay Pure water auto recirculation Low-high pressure alarm Reverse osmosis flushing Flashing general alarm 4pcs selector switch, 3 position Operation: Raw water pump-select, Reverse Osmosis pump-select (first pass), Reverse Osmosis pump-select (second pass), Pure water pump-select, Mode 3pcs illuminated pushbutton (self-latch) Application: Manual Pump on/off Key switch for manual recirculation system Magnetic starter (fuji) for pumps on/off control Over load relay (fuji) for pump motor over current protection Omron timer Application: Automatic power on delay, Reverse Osmosis flushing Relay (Omron) Application: Pump motor tripped, Solenoid on/off, Power on delay, UV supply, Level and pressure controls, General alarm Indicators (LED) for on/off level, status, pressure and abnormality Emergency stop (idec) for safety 5pcs circuit breaker Royal cord wire		
6	1	Unit	Bicarbonate Mixer 1 unit Mix Flow agitator pump with propeller 1 unit 100 liters of polyethylene tank with S/S base Electrical control with panel box PVC pipe and fittings	135,000.00	135,000.00
7	1	Unit	Acid Mixer 1 unit Mix Flow agitator pump with propeller 1 unit 100 liters of polyethylene tank with S/S base Electrical control with panel box PVC pipe and fittings	135,000.00	135,000.00
8	1	Unit	Emergency Cart Mild steel plate construction with scratch & chip resistant epoxy powder coating Stainless steel work top With collapsible work tray With at least four (4) drawers with sealed lock and ABS molded bins in top 2 drawers With cardiac board located at back of cart Equipped with protective bumper guard rail Provision for oxygen tank & IV pole Mobile on 4 x 100mm dia. swivel castors with 2 brakes Dimensions: At least 650mm (W) x 450mm (D) x 850mm (H)	80,000.00	80,000.00
9	1	Unit	Weighing Scale, Digital, Wheelchair type Can weigh patient in wheelchair Weight capacity: At most 300 kgs Graduation: 100 g Dimensions: At least 1200mm x 800mm x 70mm Dimensions of Weighing Area: At least 900mm x 800mm With memory function With adjustable rubber feet and bubble level indicator With castor wheels and portable handle for transport With option for data transmission to PC	115,000.00	115,000.00
10	1	Unit	Mayo Table	26,000.00	26,000.00

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			Steel frame work with scratch and chip resistant epoxy powder coating stand With stainless steel tray Mobile on 4 x 50mm dia. swivel castors Tray Dimensions (mm): At least 480(W) x 300(D) Adjustable Height Approx Dim (mm): 810-1230(H)		
11	1	Set	Minor Surgical Set (Stainless steel) 1 pc. Mayo Scissors Cvd BI/BI 23.0 Cm 1 pc. Kelly Forceps Curved 14 0 Cm 1 pc. Metzenbaum-Nelson Scs Str BI/BI 20.0 Cm 1 pc. Senn-Miller Retractors 1 pc. Mayo Operating Scissors Straight 17.0 Cm 1 pc. Adson Tissue Forceps 1x2 Teeth 12.0 Cm 1 pc. Adson Tissue Forceps 1x2 Teeth 12.0 Cm 1 pc. Halsted-Mosquito Forceps Curved 12.5 Cm 1 pc. Mayo-Hegar Needle Holder 18.0cm Includes: Instrument tray with cover	28,000.00	28,000.00
13		Unit	Refrigerator with Digital Thermometer and Freezer 7 cu.ft Two-Door Direct Cool Refrigerator Energy Efficient Compressor Consumes very minimal electricity only 100 watts Hard Refrigerator Top Reversible Door Light Bulb in ref Section Adjustable Tempered Glass Shelves Extra Large Freezer Space Bottom Vegetable Crisper Stainless Look Door Color Dimension: (h:w:d) 150 : 47 : 49 cm	25,000.00	25,000.00
14			DIALYZER RACK Made by Marine plywood casing with laminate finish Dialyzer rack made by PVC plate good for 140 dialyzer Sliding glass door	185,000.00	185,000.00
15			Stretcher and Gurneys (wheel type fixed type stretcher) Mild steel plate frame work with scratch & chip resistant & epoxy Hydraulic foot pedal controlled Hi -Lo position Gas-spring assisted tilting Adjustable backrest via gas spring With PVC bumper guard rail and collapsible side rails with push handle at the bed's foot ends with IV pull provision, storage utility tray, and oxygen tank holder Safety load: at least 250 kilograms Backrest: 0° to 90° Trendelenburg : 0° to 12° Reverse Trendelenburg : 0° to 6° Castor Dimension: Approx .200 mm with central locking system Mattress Dimension (LxWxH) : At least 1900mm x 650mm x 50mm) Over all Dimension (Lx Wx H) : At least 2000mm x 750 mm x 300-	200,000.00	200,000.00
			TERMS OF REFERENCE 1. Bidder must provide certificate of exclusive or authorized distributorship for the Hemodialysis equipment (Dialysis Machine, Dialyzer Reprocessor, Reverse osmosis System, ECG) being offered and that they are the authorized distributor for this bid. 2. Bidder shall submit Certificate of Satisfactory Performance for the installation of Dialysis equipment from at least three (3) Local Government Units within the past five (5) years. Certificate issued and must be signed by the Authorized Officer of the Department or Section with contact number for verification. 3. Certificate of guarantee that the prospective bidder shall conduct in-house applications training by a qualified trainer for Staff with issuance of applications training certification for all equipment delivered.		
TOTAL (20% New Fund)					PhP 21,400,000.00

Purpose: For the use of Bohol Provincial Diagnostic and Ambulatory Care Center Hemodialysis Unit Operation

	Requested by:	Cash Availability	Approved By
Signature Printed Name Designation	FRUSERMA MARY A. UY, MD MRA Medical Specialist IV / BPDACC Admin.	EUSTAQUIO A. SOCORIN Provincial Treasurer	ERICO ARISTOTLE C. AUMENTADO Governor

REYMOSES A. CABAGNOT, MD., MPH
Provincial Health Officer II