



PURCHASE REQUEST
Province of Bohol



Department: Provincial Health Office		PR. No: 2021-060	Date: April 27, 2021		
Section:		SAI No.	Date:		
		OBR No.	Date:		
Item No.	Quantity	Unit of Issue	SAI No.	Estimated Unit Cost	Estimated Cost
1	12	unit	<p>Dialysis Machine, with touch panel color display, programmable rinsing</p> <p>Function: Acetate dialysis; Bicarbonate liquid dialysis; Sequential dialysis; Double needle Ultrafiltration control:</p> <p>UF Rate: 0,0, 10 to 5.00 liters/hr Accuracy: ±30 gm/hr OR 1% whichever is 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 cansave up to four (4) types of dialyte 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 +400mmHg Blood pump flow range: at least 0, 50 to 600mL/min Heparin pump: Delivery range: at least 0, 0.1 to 9.9mL/hr Bolus volume: at least 0.1 to 5.0mL Syringe size: should have choices of 10, 20 and 30cc with stop program with air bubble detector by ultrasonic sensor with safety monitors for air bubble, power failure, TMP, blood leak, conductivity and with auto self check function with easy maintenance function enables staff to easily perform servicing and maintenance Hydraulics can be pulled out from machine with options for backup battery, additional chemical rinse port Supplied with 3kW AVR</p>	1,385,000.00	16,620,000.00
2	1	unit	<p>Dialyzer Reprocessor, Fully Automated for HEPA Negative</p> <p>Fully automated dialyzer reprocessor for negative hepa</p> <p>Water requirements: Purity: in accordance with AAMI/ANSI standard for hemodialysis systems. Filtered through a 1.0 input pressure: 138-279.3 Kpa ave. flow rate: 1.75L/min. water temperature: 59°-75°F drain requirements: 6L/min. no higher than 6" above top surface of machine. Drain vented to must be supplied with portable wireless PC-Based ECG with the following specifications: high resolution ECG processing, resolution of 12bits (2.44 µV/LSB) with option to function as both rest and stress ECG with wireless communication interface using bluetooth 2.0+EDR, class 1</p>	1,590,000.00	1,590,000.00



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			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 export test results into formants: PDF, DICOM, HL7, Jpeg, XML, plain text, GDT, Native RAW sensitivity: 5,10, 20, 40 mm/mV horizontal scale: 12.5, 25, 50, 100mm/sec with lead off detection with defibrillation protection system software compatible with Microsoft Windows 10, Android and Apple iOS for rest ECG size: at mos 100x80x30mm weight: atmost 150grams without battery supplies with computer and printer		
3	1	unit	Dialyzer Reprocessor, Semi Automated for HEPA Positive Patients Semi automated dialyzer cleaning station for positive Hepa frame material: 800mmHx400mmLx260mmW Panel box Type (PVC Plate Materials) 1 unit dialyzer testing parameters @ maximum pressure 8-14 PSI 1 unit adjustable 15-35 PSI pressure regulator valve PVC pipe and fitting 1 unit 30 liters Polyethylene chemical tank with stainless steel skid base 1 unit dialyzer quick connect with dialyzer holder. 1 unit chemical pump electrical control system. One (1) unit CE Certified S/S Solenoid Valve for Dialyzer cleaning 1 unit CE certified S/S Solenoid Valve for Dialyzer filling chemical 1 unit CE certified S/S Solenoid valve for auto reverse ultra-filtrate 1 unit programmable Rievtech PLC 110-240VAC 16 Digital input and 10 digital output 1 unit illuminated push button switch green (rinsing procedure) 1 unit illuminated push button switch red (filling chemical) 1 unit reverse ultra filtrate LED indicator yellow 1 unit 250ml plastic graduated cylinder	425,000.00	425,000.00
4	12	unit	Dialysis Chair cushioned, reclining chair recliner and rocker in one chair colore leather match overall dimensions: approx. 40.5"H x 33.5" W x 36.5" D Durable frame construction back and legrest work together or operate independently for most reclining positions total body and lumbar support three-position locking legrest adjustable back and legrest tension	85,000.00	1,020,000.00
5	1	unit	Reverse Osmosis System, Single Pass	1,980,000.00	1,980,000.00



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			<p>6000 gallons per day, single pass reverse osmosis system 2 units alternating 2HP reverse osmosis multi stage vertical pump (operating pressure 200 and up) 3 units 4040 FRP pressure membrane vessel Fiber glass construction end engry connectjions full range of diameter and pressure ratings high resistance to chemical and high level of chlorides true lock integrated locking system 3 units 4040 thin film membrane with large spiral design 2 units panel mounted 0-10 gpm flow meter 1 unit 1000 liters polyethylene pure water holding tank 1 unit dial stainless 350 PSI oil pressure gauges 1 unit pressure regulator control valve 1/2" NPT SIS 316 the system should be equipped with recycle valve and with flushing option. 1 unit low pressure switch controlled by a timer that will automatically stops the RO pump 1 unit automatic shut-off solenoid valve 1" NPT (bypass valve can be activated manually) 1 unit auto flushing solenoid valve 1/2" NPT the RO system stainless steel full skid equipped with sampling port for pure water sampling pre-treatment equipment 1 unit 13"x54" multi-media FRP tank 2 units 13"x54" granulated activated carbon FRP tank. (must include manual/automatic timer) 1 unit 13"x54" water softener FRP tank with manual/automatic backwashing head sampling port for multi-media, carbon and water softener 1 set raw water conditioning system inclusions: 1 unit 1,500 liters polyethylene raw water tankd with float valve 1 pc digital TDS meter befores membrane filter 2 units automatic pump control 2 units alternating raw water multi stage pump head back-up system, at least 1.5HP complete piping using scheduled 40 PVC pipe, ball valves and fittings (gray) stainless steel fittings distribution system 1 unit 700 liters polyethylene 2nd stare pure water storage tank 2 units 1HP S/S head distribution pump (220VAC single phase) 2 units automatic pump control 1 unit twenty (20) inches filter housing with 1 micron filter 1 unit 12 GPM ultra violet lamp electrical control system 1 unit control panel box 1 set programmable logic control for system auto and manual operation and alarm application:</p>		



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			<i>auto alternate operation</i> <i>fill up signal on delay</i> <i>pure water auto recirculation</i> <i>low and high pressure alarm</i> <i>reverse Osmosis flushing</i> <i>flashing general alarm</i> <i>4pcs selector switch, 3 position</i> <i>operation:</i> <i>raw water pump select</i> <i>reverse osmosis pump select (first pass)</i> <i>reverse osmosis pump select (second pass)</i> <i>pure water pump select</i> <i>mode:</i> <i>3pcs illuminated push button (self latch)</i> <i>application: manual pump on/off</i> <i>key switch for manual recirculation system</i> <i>magnetic starter for pumps on/off control</i> <i>over load relay for pump motor over current protection</i> <i>omron timer</i> <i>application:</i> <i>automatic power on delay</i> <i>reverse osmosis flushing</i> <i>relay (Omron)</i> <i>application:</i> <i>pump motor tripped</i> <i>solenoid on/off</i> <i>power on delay</i> <i>UV supply</i> <i>level and pressure controls</i> <i>general alarm</i> <i>supplid with:</i> <i>indicators (LED) for on/off level, status, pressure and abnormality</i> <i>emegency stop for safety</i> <i>5pcs circuit breaker</i> <i>roayl cord wire</i>		
6	1	unit	Bicarbonate Mixer <i>1 unit mix flow agitator with propeller</i> <i>1 unit 100 liters of polyethylene tank with S/S base</i> <i>electrical controlwith panel box</i> <i>PVC pipe and fittings</i>	135,000.00	135,000.00
7	1	unit	Dialyzer Rack <i>made by marine plywood casing with laminatge finish</i> <i>dialyzer rack made by PVC plate good for 140 dialyzers</i>	165,000.00	165,000.00



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			sliding glass door		
<p><i>Terms of reference:</i></p> <p>1. Bidder mus provide certificate of exclusive or authorized distributorship for the Hemodialysis equipment being offered and that they are the authorized distributyor for this bid.</p> <p>2. Bidder shall submit certificate of satifactory performance fot eh installation of dialysis equipment form at lest 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 verifications.</p> <p>3. Bidder must have track record of having supplied and successfully installed various medical equipment in the following: a National GOCC hospital, two (2) LGU hospitals in Metro Manila and two (2) private institutions witin the past five (5) years. Bidder mus provide a lis tiwth contact numbers of the institutions.</p> <p>4. Certificate of guarantee ahtathe prospective bidder shall conduct in-house applications training by a qualified trainer of staff with issuance of applications training certification for all equipment delivered.</p> <p align="center">xxx</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>PR # 2021-116 RECEIVED BY: DATE: 4/23/2021</p> <p align="center">PROVINCIAL PROCUREMENT MANAGEMENT UNIT</p> <p>PR # 2021-032 NC # _____ DC # _____ SC # _____ RSC # _____</p> <p>AMOUNT: _____ BK AS TO APP _____</p> </div> <p>Time of delivery: 20-30 days upon receipt of NTP Place of Delivery: Garcia Memorial Hospital, Talibon, Bohol Mode of procurement: Public Bidding</p>					
TOTAL					PhP 21,935,000.00

Purpose: for the use of the GMPH Dialysis Center

	Requested by:	Cash Availability	Approved by:
Signature			
Printed Name	CESAR TOMAS M. LOPEZ, MD	EUSTAQUIO A. SOCORIN	ARTHUR C. YAPAN
Designation	Head, CoVID-19 TF Medical & Health Cluster	Provincial Treasurer	Governor