PURCHASE REQUEST
Province of Bohol

Department: PHO FDMH-INABANGA Section: FDMH-Inabanga			PR No. _____ SAI No. _____ Obr No. _____	Date Date Date	5/23/2022
Item No.	Quantity	Units of issue	Item Description	Estimated Unit Cost	Estimated Cost
1	1	unit	**Na+/K+/Cl¯/Ca++/Li+ Analyzer Machine**	500,000	500,000
			Technical specifications:		
			CLIA Classifications: Moderate Complexity		
			Configurations: Na+/K+/Cl¯/Ca++ or Na+/K+Cl¯/Li+		
			Analysis time: Plasma,Serum,Whole blood:60 seconds Urine:90 seconds		
			Sample types: Whole blood,Serum,Plasma,or Diluted Urine		
			Sample Size: 100µL whole blood,Serum,Plasma or 400µL Diluted(1:10)Urine		
			Sample Temperature: Ambient Temperature(15-32°C)		
			Method:Direct(undiluted) measurement by Ion Selective Electrodes(ISE)		
			Calibration: Automatic 1-point calibration with evry sample or on-demand Automatic 1-point calibration every 4 hours		
			Output: 128x64 pixel graphic display 24 column thermal printer Serial port(RS-232 optional)		
			Ambient Conditions: 15-32°C(60-90°F),<85% humidity		
			Power: 100-240 VAC 50/60 Hz 0.8A (serial numbers beginning with "C")		
			Size: 9.6"(W) X 16.5"(H) X 8.0"(D); 24cm (W) X 42CM (H) X20 CM(D)		
			Weight: 13lbs; 5.8kg		
			Data Storage Patient: 125 results QC: Normal:20 results;Low: 20 results: High:20 results		
			Performance Resolution: Na+ : 0.1 mmol/L , K+ : 0.01mmol/L Cl¯: 0.1mmol/L , Ca++: 0.01mmol/L, Li+: 0.01mmol/L		
			Serum,Plasma,Whole blood Detection range: Na+ : 20-200mmol/L K+ : 0.2-40mmol/L Cl¯: 25-200mmol/L Ca++: 0.1-6.0mmol/L Li+: 0.2-5.0mmol/L		
			Reproductibility(typical): Na+ : 80.0-200.0mmol/L K+ : 1.0-10.00mmol/L Cl¯: 50.0-150.0mmol/L Ca++: 0.40-1.50mmol/L Li+: 0.40-4.00mmol/L		
			Reproductibility within run(n=20): Na+ : C.V.<1 % K+ : C.V.<2 % Cl¯: C.V.<2 % Ca++: S.D.<0.02mmol/L Li+: S.D.<0.03mmol/L		