



National Center for Mental Health

NOTICE OF AWARD

July 13, 2023

BITS-BIOMEDICAL INSTRUMENTATION & TECHNOLOGY SOLUTIONS CO. LTD.

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Sir / Madam:

Please be advised that as a result of **Public Bidding** conducted by National Center for Mental Health for the **Preventive Maintenance and Calibration of Various Medical Equipment (General Hospital Equipment, Clinical Laboratory Equipment, Anatomical Laboratory Equipment, and Dental Section Equipment) - LOT CY 2023** and is hereby awarded to your company the following:

NO	ITEM CODE	ITEM DESCRIPTION										QTY	UOM	UNIT PRICE	TOTAL PRICE	
		Public Bidding for Preventive Maintenance and Calibration of Various Medical Equipment CY 2023 (LOT): a. General Hospital Equipment b. Clinical Laboratory Equipment c. Anatomical Laboratory Equipment d. Dental Section Equipment PREVENTIVE MAINTENANCE AND CALIBRATION FOR THE EQUIPMENT OF GENERAL HOSPITAL CALIBRATION PARAMETERS: (1) = ELECTRICAL SAFETY (2) = VOLUME (3) = FLOW/PRESSURE (4) = SPEED (5) = TEMPERATURE														
1	ITB NO. 025-2023	QTY	UNIT OF ISSUE	ITEM DESCRIPTION	CALIBRATION PARAMETERS					SERVICE FREQUENCY	UNIT COST	TOTAL COST	1	lot	3,189,437.22	3,189,437.22
					1	2	3	4	5	OTHERS (specify)						
		3	Piece	ABG Machine	✓					Po2, Pso2	Semi-Annual	36,700.00	110,100.00			
		2	Piece	Anesthesia Machine	✓	✓					Semi-Annual	15,900.00	31,800.00			
		4	Piece	Vaporizer						Gas Concentration	Semi-Annual	17,850.00	71,400.00			
		2	Piece	Autoclave			✓		✓		Annual	3,500.00	7,000.00			
		(7)	Piece	BP Apparatus			✓				Annual	800.00	136,800.00			
		21	Piece	BIPAP Machine	✓		✓				Semi-Annual	9,740.00	204,540.00			

"There is no Health without Mental Health"



14	Piece	Cardiac Monitor	✓				SPO2, NIBP, Rate(bpm)	Semi-Annual	9,950.00	139,300.00
4	Piece	Defibrillator	✓				Joules	Semi-Annual	13,580.00	54,320.00
1	Piece	DR Table					Qualitative only	Semi-Annual	3,000.00	3,000.00
17	Piece	ECG Machine	✓			✓	Paper speed, Rate (bpm)	Semi-Annual	5,600.00	95,200.00
1	Piece	ECT Machine	✓				Rate (bpm)	Semi-Annual	14,000.00	14,000.00
3	Piece	Electro Surgical Unit	✓				Watts (Cut-Coag)	Semi-Annual	13,200.00	39,600.00
5	Piece	Fetal Doppler	✓				Rate(bpm)	Semi-Annual	5,340.00	26,700.00
12	Piece	High Flow	✓		✓			Semi-Annual	7,790.00	93,480.00
1	Piece	Infant Weighing Scale					Weight	Annual	1,200.00	1,200.00
1	Piece	Infant Incubator	✓			✓		Semi-Annual	7,700.00	7,700.00
24	Piece	Infusion Pump	✓		✓		Flow Rate	Semi-Annual	11,950.00	286,800.00
8	Piece	Laryngoscope					Qualitative only	Annual	1,000.00	8,000.00
1	Piece	Mixing Machine	✓			✓		Annual	2,250.00	2,250.00
38	Piece	Nebulizer			✓			Annual	1,000.00	38,000.00
1	Piece	Ophthalmoscope					Qualitative only	Annual	1,200.00	1,200.00
1	Piece	OR Lights	✓					Semi-Annual	4,000.00	4,000.00
2	Piece	OR Table	✓					Semi-Annual	3,000.00	6,000.00
1	Piece	Otoscope					Qualitative only	Annual	1,200.00	1,200.00
234	Piece	Oxygen Regulator with Flow Meter			✓			Annual	1,000.00	234,000.00
6	Piece	Pharma Refrigerator				✓		Annual	3,800.00	22,800.00
123	Piece	Pulse Oximeter					SPO2, Rate(bpm)	Semi-Annual	2,000.00	246,000.00
13	Piece	Suction Machine	✓		✓			Annual	1,200.00	15,600.00
22	Piece	Thermohygrometer				✓		Annual	4,900.00	107,800.00
3	Piece	UV Light						Annual	5,000.00	15,000.00
22	Piece	Ventilator	✓	✓	✓			Semi-Annual	13,900.00	305,800.00
68	Piece	Weighing Scale					Weights	Annual	1,200.00	81,600.00

2	Piece	Video Laryngoscope	✓					Annual	3,900.00	7,800.00
SUB TOTAL										2,419,990.00

General Scope of Works for Preventive Maintenance and Calibration Services:

- Perform preventive maintenance including **qualitative evaluation/physical inspection** which is applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories), adjustment, system performance test, software and hardware updates and replacement of PM parts/kit's if necessary. Any consumables such as reagents/solutions/ machine supplies (e.g. Isoflurane/sevoflurane /films/patch/lubricants etc.) in general, to be used during the test will be provided by the service provider.
- Perform Calibration/verification which include **quantitative evaluation according to the set calibration parameter** using calibrated test equipment/tools.
- Cleaning, lubricating and perform minor hardware or software repair if necessary.
- Application of preventive maintenance and calibration stickers which indicates PM and calibration date and due date.

Terms of Reference

- All service shall be done at the National Center for Mental Health facilities.
- General Scope of Works for Preventive Maintenance and Calibration Services should apply to all medical equipment
- Service provider should coordinate with Medical Equipment Maintenance Unit before and after the preventive maintenance and other services
- Service provider must have full-time certified biomedical technicians with NCI certificates of Biomedical Equipment Servicing or engineer with PRC license to perform corrective, preventive and calibration related to the item listed
- Service provider shall provide the following:
 - Each Test/Calibration equipment to be used must have current, valid and NIST Traceable certificate of calibration or other internationally accepted standards.
 - Submit FOUR (4) copies of complete Service Report for minor repair or for the medical equipment may found defective.
 - Submit FOUR (4) copies of complete Preventive Maintenance Report and Calibration Certificate for each equipment which includes qualitative and quantitative data compliant with ISO 9001 documentation.
 - Current and Valid Training Certificates of technicians/engineers who performed the services

PREVENTIVE MAINTENANCE AND CALIBRATION FOR THE EQUIPMENT OF CLINICAL LABORATORY					
QTY	UNIT OF ISSUE	ITEM DESCRIPTION/FREQUENCY	SERVICE FREQUENCY	UNIT COST	TOTAL COST
1	Piece	Analytical Balance, Weighing Scale, Digital Scale at least 300g x 0.01g, round platform, LCD display, Denver Instrument USA Serial number: 21360063 Scope of work: <input type="checkbox"/> Weight calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, indicators/displays, labeling) <input type="checkbox"/> PM task (cleaning of unit, lubrication of mechanical parts, recommended model-specific PM) <input type="checkbox"/> Functionality test (display verification, recommended model-performance testing)	Annual	2,499.00	2,499.00
3	Piece	Autoclave, bench top, stainless steel, Sturdy brand, 40L capacity Serial number: 101116011-025 Autoclave, floor type, stainless steel, Wise clave, 100L capacity Serial number: 00738041080AP001 Autoclave, bench top, stainless steel, Lisa brand, 40L capacity Serial number: C7110089 Scope of work: <input type="checkbox"/> Temperature calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, tubes/hoses, cables, fittings/connectors, controls/switches, indicators/displays, alarms/interlocks, labeling) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM)	Annual	7,000.00	21,000.00

		<input type="checkbox"/> Functionality test (display verification, alarm function, recommended model-performance testing)			
2	Piece	Biological Refrigerator, Haier Biomedical, HYC 509T Serial number: BEOHS OE1TO OQJL4 70001 and BEOHS OE1TO OQJL4 70QJL4 7001 Scope of work: <input type="checkbox"/> Temperature check and calibration <input type="checkbox"/> Cleaning and testing electrical system * Main power switch (starting delay, power delay, compressor, overload delay, condenser fan motor, defrost delay) <input type="checkbox"/> Refrigeration cycle * Cleaning of condenser * Check gas leakage * Cleaning of condenser filter * Check vibration and contact of tubing <input type="checkbox"/> Testing alarm system * Alarm key test * Filter alarm key * Buzzer key <input type="checkbox"/> Drainage - Cleaning of drain pan, check drain hose <input type="checkbox"/> Check door and door gasket	Annual	6,090.00	12,180.00
2	Piece	Biological Safety Cabinet, Class II, Type A2, Anti UV tempered glass, Haier, HR 40-11A2 Serial number: BEO2V00N00B2B2G114G and BEO2V PEONO OQHL4 MOOO4 Scope of work: <input type="checkbox"/> Simulated power supply conditions <input type="checkbox"/> Inflow velocity test <input type="checkbox"/> Downflow velocity test <input type="checkbox"/> Light intensity test <input type="checkbox"/> Airflow smoke pattern test <input type="checkbox"/> Particle count/product protection test	Annual	25,000.00	50,000.00
1	Piece	Blood Bank Refrigerator, 30 bag capacity, Digital temperature control, Digital temperature display, Triple layer glass window, Sanyo brand Serial number: 10020023 Scope of work: <input type="checkbox"/> Temperature check and calibration <input type="checkbox"/> Cleaning and testing electrical system * Main power switch (starting delay, power delay, compressor, overload delay, condenser fan motor, defrost delay) <input type="checkbox"/> Refrigeration cycle * Cleaning of condenser * Check gas leakage * Cleaning of condenser filter * Check vibration and contact of tubing <input type="checkbox"/> Testing alarm system * Alarm key test * Filter alarm key * Buzzer key <input type="checkbox"/> Drainage - Cleaning of drain pan, check drain hose <input type="checkbox"/> Check door and door gasket	Annual	8,500.00	8,500.00
1	Piece	Blood Typing and Crossmatching, Gel Technique Centrifuge, DiaMed Serial number: 1003388 Scope of work: <input type="checkbox"/> Velocity calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, cables, indicators/displays, labeling, accessories) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM) <input type="checkbox"/> Functionality test (alarm function, recommended model-performance testing)	Annual	3,050.00	3,050.00
4	Piece	Centrifuge, Clinical, Bench top, 24 placer, brushless, automatic rotor, Kokusan brand Serial number: 141509 and 141510 Centrifuge, Clinical, Bench top, 12	Annual	3,050.00	12,200.00

		<p>placer, brushless, automatic rotor, Vision brand Serial no.: E1234KA0001 and E1234KA0011</p> <p>Scope of work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Velocity calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, cables, indicators/displays, labeling, accessories) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM) <input type="checkbox"/> Functionality test (alarm function, recommended model-performance testing) 			
1	Piece	<p>Drying Oven, Digital temperature control with range from 5°C to 300°C, Digital temperature display, Binder brand Serial number: 09-09122</p> <p>Scope of work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Temperature calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM) <input type="checkbox"/> Functionality test (display verification, recommended model-performance testing) 	Annual	4,950.00	4,950.00
2	Piece	<p>Blood Typing and Crossmatching, Gel Technique Incubator, DiaMed Serial number: 1004376 Incubatory, dry, 50L to 60L capacity, bench top, stainless steel, L.&W brand, USA, with AVR Serial number: 1007013</p> <p>Scope of work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Temperature calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, indicators/displays, alarms/interlocks, labeling) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM) <input type="checkbox"/> Functionality test (alarm function, recommended model-performance testing) 	Annual	7,000.00	14,000.00
1	Piece	<p>Mechanical Rotator, Bench top, variable speed 40-240 rpm 30 minutes timer, built-in analogue tachometer, L.&W Scientific brand. Serial number: 1008128</p> <p>Scope of work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Velocity calibration <input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, cables, indicators/displays, labeling, accessories) <input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM) <input type="checkbox"/> Functionality test (alarm function, recommended model-performance testing) 	Annual	3,250.00	3,250.00
8	Piece	<p>Microscope, Binocular, Olympus CX21, LED Serial nos.: 1A81033 1A81063 OB80752 OB80744 1A81055 1A80059 OA81847 1A81059</p> <p>Scope of work:</p> <ul style="list-style-type: none"> <input type="checkbox"/> KN0048 (For eyepiece use/ centering of prism) <input type="checkbox"/> KN0015-A10 (For objective use/ focusing) <input type="checkbox"/> Re-grease (for mechanical parts) 	Annual	3,950.00	31,600.00
10	Piece	<p>Pipettor, adjustable volume, 10-100µL capacity, Dragon Med brand, China 1. Serial # - ASO4042 2. Serial # - ASO9021 3. Serial # - ASO9004</p>	Semi-Annual	6,600.00	66,000.00

		<p>4. Serial # - ASO9022</p> <p>Pipettor, adjustable volume, 100-1000µL capacity, Dragon Med brand, China</p> <p>1. Serial # - FP22628 2. Serial # - FP22624 3. Serial # - FP22615</p> <p>Pipettor, fixed volume (50µL)</p> <p>1. Serial # - 418655 2. Serial # - 427809 3. Serial # - 418655</p> <p>Scope of work:</p> <p><input type="checkbox"/> Volume calibration</p> <p><input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, tubes/hoses, controls/switches, indicators/displays, labeling)</p> <p><input type="checkbox"/> PM task (cleaning of unit, lubrication of mechanical parts, recommended model-specific PM)</p> <p><input type="checkbox"/> Functionality test (display verification, recommended model-performance testing)</p>			
2	Piece	<p>Refrigerator Thermostat, Smart cook</p> <p>Reference no.: LAB-C-03</p> <p>Scope of work:</p> <p><input type="checkbox"/> Temperature calibration</p> <p><input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling)</p> <p><input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM)</p> <p><input type="checkbox"/> Functionality test (display verification, recommended model-performance testing)</p>	Annual	1,000.00	2,000.00
2	Piece	<p>Room Thermometer</p> <p>Reference no.: LAB-C-01 LAB-C-02</p> <p>Scope of work:</p> <p><input type="checkbox"/> Temperature calibration</p> <p><input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling)</p> <p><input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM)</p> <p><input type="checkbox"/> Functionality test (display verification, recommended model-performance testing)</p>	Annual	1,000.00	2,000.00
1	Piece	<p>Waterbath, Digital temperature setting, Digital temperature read-out display, equipped with immersion heating element, temperature sensor and water circulators with fan</p> <p>Serial number: 1007031</p> <p>Scope of work:</p> <p><input type="checkbox"/> Temperature calibration</p> <p><input type="checkbox"/> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, indicators/displays, alarms/interlocks, labeling)</p> <p><input type="checkbox"/> PM task (cleaning of unit, recommended model-specific PM)</p> <p><input type="checkbox"/> Functionality test (display verification, recommended model-performance testing)</p>	Annual	2,500.00	2,500.00
SUB TOTAL					235,729.00
<p>Terms of Reference:</p> <ol style="list-style-type: none"> 1. On site calibration and preventive maintenance 2. Conduct performance verification of laboratory equipment 3. Conduct calibration with participation of Hospital in charge technicians/employee on site 4. Provide PMS stickers on all equipment indicating PMS and calibration date 5. Submit reports/findings and recommendations on all equipment 6. Submit Calibration certificate and service report indicating status of each unit seven (7) days after service 7. Submits certificate of all calibration tools used for the calibration of equipment 8. Any damage on equipment incurred during the conduct of the PMS/Calibration shall be paid by the service provider 9. Trained service engineers - training certificates from accredited training centers shall be submitted 					

PREVENTIVE MAINTENANCE AND CALIBRATION FOR THE EQUIPMENT OF ANATOMICAL LABORATORY					
QTY	UNIT OF ISSUE	ITEM DESCRIPTION/FREQUENCY	SERVICE FREQUENCY	UNIT COST	TOTAL COST
1	unit	Tissue Embedding Station Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	14,375.90	14,375.90
1	unit	Gross Pathology Station Scope of work: <ul style="list-style-type: none"> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, tubes/hoses, cables, fittings/connectors, controls/switches, indicators/displays, alarms/interlocks, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, alarm function, recommended model-performance testing) 	Annual	8,950.00	8,950.00
1	unit	Water Flootation Bath Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	4,500.00	4,500.00
2	unit	Digital Weighing Scale Scope of work: <ul style="list-style-type: none"> Weight calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, indicators/displays, labeling) PM task (cleaning of unit, lubrication of mechanical parts, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	4,500.00	9,000.00
1	unit	Paraffin Oven Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	3,950.00	3,950.00
2	unit	Electric Bone Saw Scope of work: <ul style="list-style-type: none"> Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, circuit breakers/fuses, cables, indicators/displays, labeling, accessories) PM task (cleaning of unit, recommended model-specific PM) Functionality test (alarm function, recommended model-performance testing) 	Annual	9,950.00	19,900.00
1	unit	Body Cadaver Morgue Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	20,500.00	20,500.00
1	unit	Digital Thermometer Ref/Freezer Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	4,000.00	4,000.00
1	unit	Analogue Thermometer Ref/Freezer Scope of work: <ul style="list-style-type: none"> Temperature calibration Qualitative task/ Physical inspection (chassis/housing, AC plug, line cord, strain reliefs, cables, controls/switches, fan, indicators/displays, labeling) PM task (cleaning of unit, recommended model-specific PM) Functionality test (display verification, recommended model-performance testing) 	Annual	4,000.00	4,000.00
SUB TOTAL					89,175.90

General Scope of Works for Preventive Maintenance and Calibration Services:

- Perform preventive maintenance including qualitative evaluation physical/mechanical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, live cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories), adjustment, system performance test, software and hardware updates and replacement of PM parts/kit's if necessary. Any consumables such as reagents/solutions/ machine supplies (e.g. Isoflurane/sevoflurane /films/patch/lubricants etc.) in general, to be used during the test will be provided by the service provider.
- Perform Calibration/verification which include quantitative evaluation using calibrated test equipment/tools
- Cleaning, lubricating and perform minor hardware or software repair if necessary
- Application of preventive maintenance and calibration stickers which indicates PM and calibration date and due date

Terms of Reference:

1. All services shall be done at the National Center for Mental Health facilities.
2. Service provider must conduct Preventive Maintenance and calibration on all listed medical equipment.
3. FREQUENCY: ANNUAL
4. Service provider should coordinate with the End-User and Medical Equipment Maintenance unit before and after the preventive maintenance and other services.
5. Service provider must have full-time certified Biomedical Technicians with NCIJ certificates of Biomedical Equipment Servicing or Engineer with PRC license to perform corrective preventive, calibration related to the item listed.
6. Service provider must provide the following:
 - A. Test /Calibration equipment to be used must have current, valid and NIST traceable certificate of calibration or other internationally accepted standards.
 - B. Submit FOUR (4) copies of complete Service Report for minor repair or for the medical equipment found defective.
 - C. Submit four (4) copies of complete Preventive Maintenance Report and Calibration Certificate Calibration certificate for each equipment which includes qualitative and quantitative data compliant with ISO 9001 documentation.
 - D. Current and valid training certificates of technicians/engineers who performed the services.

PREVENTIVE MAINTENANCE AND CALIBRATION FOR THE EQUIPMENT OF DENTAL SECTION					
QTY	UNIT OF ISSUE	ITEM DESCRIPTION/FREQUENCY	SERVICE FREQUENCY	UNIT COST	TOTAL COST
10	Piece	Dental Chair Scope of Work <input type="checkbox"/> Speed calibration <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Qualitative task/ Physical/Mechanical inspection Check and verification: - high speed handpiece and attachment - low speed air motor handpiece and attachment - three-way syringe and attachment - x-ray film viewer - solenoid valve of cup-filler - working arm tray air lock - solenoid valve of spittoon flush - led operating light sensor - foot control for handpieces - foot control for chair operation - saliva ejector operation - air suction operation - three-way syringe and attachment assistant side - clean water tank system - air and water regulator - dentist chair-gas lift height adjustment - air compressor-water drainage - actuator (up, down, back, and forth adjustment) - headrest of dental chair - armrests of dental chair	Semi-Annual	15,900.00	159,000.00
2	Piece	Autoclave Machine Scope of work: <input type="checkbox"/> Temperature calibration <input type="checkbox"/> Pressure calibration <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Qualitative task/ Physical inspection Check and verification: - heating element wattage - pressure gauge - thermostat control - timer function	Semi-Annual	8,000.00	16,000.00
2	Piece	Dry Heat Sterilizer Scope of work: <input type="checkbox"/> Temperature calibration	Semi-Annual	8,000.00	16,000.00

		<input type="checkbox"/> Pressure calibration <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories Check and verification: - heating element wattage - pressure gauge - thermostat control - timer function			
10	Piece	UV Sterilizer Scope of work: <input type="checkbox"/> Energy Calibration UV Intensity <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	4,000.00	40,000.00
8	Piece	Ultrasonic Scaler Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	6,780.00	54,240.00
7	Piece	Light Cure Machine Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	5,000.00	35,000.00
5	Piece	Extra Oral Suction Machine with Replacement of Suction Filter Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Pressure calibration <input type="checkbox"/> Replacement of filter <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	6,780.00	33,900.00
3	Piece	Intra Oral Suction Machine with Replacement of Suction Filter Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Pressure calibration <input type="checkbox"/> Replacement of filter <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters,	Semi-Annual	6,780.00	20,340.00

		controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)			
1	Piece	Dental X-ray Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Exposure radiation calibration Check and verification: leds, signaling function, external and internal button microprocessor check up all mechanism parts <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	53,062.32	53,062.32
2	Piece	Cautery Machine Scope of work: <input type="checkbox"/> Electrical safety testing <input type="checkbox"/> Wats calibration <input type="checkbox"/> Qualitative task/ Physical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories)	Semi-Annual	8,500.00	17,000.00
SUB TOTAL					444,542.32
General Scope of Works: <ul style="list-style-type: none"> Perform preventive maintenance Including qualitative evaluation physical/mechanical inspection which applicable to the following (chassis/housing, mount/fasteners, caster/brakes, AC plug, line cord, strain reliefs, circuit breaker/fuse, tubes/hoses, cables, fittings/connector, filters, controls/switches, heater, motor/pump/fan/compressor, battery/charger, indicators/displays, calibration/self test, time/date settings, alarms/ interlock, audible signals, labeling and accessories), adjustment, system performance test, software and hardware updates and replacement of PM parts/kit's if necessary. Any consumables such as reagents/solutions/ machine supplies (e.g. Isoflurane/sevoflurane /films/patch/lubricants etc.) in general, to be used during the test will be provided by the service provider. Perform Calibration/verification which include quantitative evaluation using calibrated test equipment/tools. Cleaning, lubricating and perform minor hardware or software repair if necessary. Application of preventive maintenance and calibration stickers which indicates PM and calibration date and due date. Terms of Reference: <ol style="list-style-type: none"> All services shall be done at the National Center for Mental Health facilities. Service provider must conduct Preventive Maintenance and calibration on all listed medical equipment. FREQUENCY: SEMI-ANNUAL Service provider should coordinate with the End-User and Medical Equipment Maintenance unit before and after the preventive maintenance and other services. Service provider must have full-time certified Biomedical Technicians with NCH certificates of Biomedical Equipment Servicing or Engineer with PRC license to perform corrective preventive, calibration related to the item listed. Service provider must provide the following: <ol style="list-style-type: none"> Test /Calibration equipment to be used must have current, valid and NIST traceable certificate of calibration or other internationally accepted standards. Submit FOUR (4) copies of complete Service Report for minor repair or for the medical equipment found defective. Submit four (4) copies of complete Preventive Maintenance Report and Calibration Certificate for each equipment which includes qualitative and quantitative data compliant with ISO 9001 documentation. Current and valid training certificates of technicians/engineers who performed the services. 					
TOTAL					P 3,189,437.22


You are hereby required to provide the following within ten (10) calendar days:

- Contract Agreement Form for the Procurement of **Preventive Maintenance and Calibration of Various Medical Equipment (General Hospital Equipment, Clinical Laboratory Equipment, Anatomical Laboratory Equipment, and Dental Section Equipment) - LOT CY 2023;**
- Notarized Performance Securing Declaration; **or**
- Performance Security in any forms and amount stipulated below :

A. Cash / Cashier's Manager's Check Bank Guarantee	Five Percent (5%) of the Total Contract Price
B. Surety Bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission / GSIS	Thirty Percent (30%) of the Total Contract Price

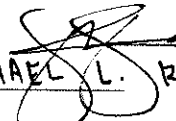
Failure to provide any of the above shall constitute sufficient ground for cancellation of the Award and forfeiture of the Bid Security.

Truly yours,



NOEL V. REYES, MD, FPPA, MMHoA
Medical Center Chief II

CONFORMED BY:


MICHAEL L. RIVERA

DATE AND TIME:

19 - JUN - 23