



MARIANO MARCOS MEMORIAL HOSPITAL AND MEDICAL CENTER
Department of Pathology and Laboratories
City of Batac, Ilocos Norte, Philippines
Direct Line: (077)600 8025; Trunk Line: (077)600 8000 loc 1101; Email:mmmh.lab13@gmail.com

REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: FULLY AUTOMATED QUANTITATIVE P.C.R. FOR HBV DNA

A.B.C. PHP 35,000.00 (ADDITIONAL INCOME FUND)

1. Supplier must provide a fully automated QUANTITATIVE ONE-STEP PCR PLATFORM FOR HBV DNA. Supplier must meet end-user's specifications for the machine and reagents and willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
PRINCIPLE	Polymerase Chain Reaction	
METHOD	One step procedure from DNA extraction to amplification	
SAMPLE VOLUME	As low as 20ul	
DETECTION RANGE	analytical sensitivity compliant with WHO standard: Less than or equal to 5.7 IU/mL	
REAGENT SPECIFICITY	100% : Can be able to detect all HBV genotypes (A-H) wild type and pre-mutation type; no cross-contamination	
CONSUMABLES	All consumables equivalent to the number of tests must be provided.	
POWER SOURCE	Electrical, AC 100-240 V; provide UPS (reserved power 30-45 minutes).	

	REAGENT FOR:	ADDITIONAL INCOME FUND ABC	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLES)	BID PRICE
MD-1	HBV DNA PCR	35,000.00	14	2,500.00	
	TOTAL ABC for INCOME TRUST FUND	35,000.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED G6PD CONFIRMATORY ANALYZER for REAGENT TIE-UP SCHEME

A.B.C.: PhP 164,572.80 (ADDITIONAL INCOME FUND)

1. Supplier must provide a fully automated Analyzer for G6PD CONFIRMATORY TESTING. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital.
 - a. Machine should be endorsed by the Newborn Screening Reference Center, PLEASE ATTACH LETTER OF ENDORSEMENT
 - b. Machine should be capable of routine Chemistry Examinations.

	REAGENT FOR:	INCOME TRUST FUND A.B.C.	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLES)	BID PRICE
G6-1	G6PD Reagent with Lyse Solution, recommended by NSRC, compatible with machine recommended by NSRC.	64,822.80	840	77.17	
G6-4	Hemoglobin reagent, 250 mL, as recommended by NSRC, compatible with machine recommended by NSRC	13,000.00	1	13,000.00	
G6-11	ALT	11,000.00	500	22.00	
G6-12	AST	11,000.00	500	22.00	
G6-13	Calcium	8,750.00	250	35.00	
G6-14	Creatinine	6,500.00	500	13.00	
G6-15	Glucose	7,500.00	500	15.00	
G6-16	Magnesium	14,500.00	250	58.00	
G6-17	Urea Nitrogen	10,000.00	500	20.00	
G6-18	Uric Acid	17,500.00	500	35.00	
	TOTAL ABC for ADDITIONAL INCOME FUND	164,572.80			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED IMMUNOHISTOCHEMISTRY (IHC) & IN SITU HYBRIDIZATION (ISH) ANALYZER FOR REAGENT TIE-UP SCHEME

A.B.C.: PhP 236,000.00 (ADDITIONAL INCOME FUND)

1. Supplier must provide an automated IMMUNOHISTOCHEMISTRY (IHC) & IN SITU HYBRIDIZATION (ISH) ANALYZER. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
PRINCIPLE	Immunohistochemistry (IHC) and In-situ Hybridization (ISH)	
CLARITY / INTENSITY OF STAINING	High quality staining, positive grading must be easily differentiated from each other; the more intense the staining, the better.	
PROCESSING OF TISSUES	Continuous processing, allows loading of new samples even if equipment is processing	
SLIDE CAPACITY	Can accommodate 15-3- slides at a time, but is capable of individual running; no batch running module	
REAGENT CAPACITY	Can accommodate at least 15 reagents at a time, the more, the better	
SLIDES AND LABELS	Good labeling property of ribbon, preferably of the same brand as the machine for compatibility	
MINIMUM REAGENTS REQUIRED, with shelf life and on-board stability of 12 months or longer	<ul style="list-style-type: none">• Reagent for Estrogen Receptor• Reagent for Progesterone Receptor• Reagent for Her 2-neu with accessories• Reagent for Cytokeratin• Reagent for CK 20• Reagent for P 63• Reagent for CD 30	

	REAGENT FOR:	REGULAR ABC	QUANTITY FOR ABC	ABC PER TEST (INCLUDE CONSUMABLES)	BID PRICE
IHC-1	Immunohistochem Consumable Universal Reagents*	112,000.00			
IHC-2	Immunohistochem Consumable Universal Supplies*	54,000.00			
IHC-12	Reagent for Estrogen receptor	35,000.00	50	700.00	
IHC-13	Reagent for Progesterone receptor	35,000.00	50	700.00	
	TOTAL ABC for ADDITIONAL INCOME FUND	236,000.00			

*Supplier shall provide enough necessary universal reagents and consumables for the total number of tests.

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED QUANTITATIVE FECAL IMMUNOCHEMISTRY (FIT) ANALYZER FOR REAGENT TIE-UP SCHEME

A.B.C. PhP 118,000.00 (ADDITIONAL INCOME FUND)

1. Supplier must provide a fully automated QUANTITATIVE FECAL IMMUNOCHEMISTRY (FIT) ANALYZER. Supplier must meet end-user's specifications for the machine and reagents and willing to enter into a reagent tie-up agreement with the hospital. Must be connected with LIS.

		STATEMENT OF COMPLIANCE
PRINCIPLE	Latex Agglutination Immunospectrophotometry	
METHOD	One step rate assay	
THROUGHPUT	Minimum of 50 tests / hour	
DETECTION LIMIT	Can detect low result and high results without dilution (exact results are given, no approximations)	
MEMORY CAPACITY	Minimum of 5,000 tests, the more storage, the better.	
LIS REQUIREMENT	Must be interfaced with existing LIS; with sample barcode reader, supplier in charge of maintenance fee to LIS provider.	
POWER SOURCE	Preferably electrical, AC 100-240 V; if battery-operated, <u>supplier must provide batteries free of charge.</u>	

	REAGENT FOR:	ADDITIONAL INCOME FUND ABC	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLES)	BID PRICE
F-1	Quantitative Fecal Immunochemistry (FIT)	118,000.00	800	147.50	
	TOTAL ABC for ADDITIONAL INCOME FUND	118,000.00			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED URINE CHEMICAL AND MICROSCOPY ANALYZER with IMAGING

A.B.C.: PhP 716,000.00 (ADDITIONAL INCOME FUND)

1. Supplier must provide an automated URINE CHEMICAL AND MICROSCOPY ANALYZER. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
MEASUREMENT PARAMETERS	<ul style="list-style-type: none">• Minimum 10 parameters for chemical examination: Hemoglobin / Blood, Glucose, Protein, Ketone, Bilirubin, Urobilinogen, nitrite, leukocyte esterase, pH, Specific gravity• Microscopic parameters: include but not limited to: red blood cells, white blood cells, epithelial cells, casts, crystals, bacteria.	
PRINCIPLE	<ul style="list-style-type: none">• Chemical examination: Reflectance photometer (strip reader); Semi-automated• Microscopic: Fluorescence Flow Cytometry (optional: with Blue Semiconductor Laser)• Imaging: Dual Flowcell Imaging	
SAMPLE THROUGHPUT	Minimum of 50 samples / hour	
SAMPLE VOLUME REQUIREMENT	Maximum of 5 ml, but may analyze samples less than 1 ml to accommodate neonatal urine samples.	
SAMPLE TYPES	Measurement will not be affected by the color and consistency / clarity of the urine sample.	
CALIBRATIONS	User friendly calibration procedure	
REAGENTS	<ul style="list-style-type: none">• Chemical examination: strips• Microscopic: flow cytometry reagents• Imaging: Dual Flowcell Digital Imaging reagents<ul style="list-style-type: none">❖ Provide all consumables sufficient to process specified number of tests❖ Supplier must provide continuous water supply required by the analyzer whenever applicable	
QUALITY CONTROL	2 levels	
POWER REQUIREMENTS	AC 100-240 V, must provide UPS with at least 45 minutes power reserve.	
LIS REQUIREMENT	LIS-ready, must be interfaced with existing LIS; with sample barcode reader. Supplier in charge of maintenance fee to LIS provider.	
OTHER FUNCTIONS	<ul style="list-style-type: none">• Can analyze Body Fluids and RBC Morphology.• Preferably with Gram Stain Classification (this feature is an advantage)• With Auto Validation• User definable rule engine• Imaging uses CCD camera with up to 2 million pixels	

	REAGENT FOR:	ADDITIONAL INCOME FUND ABC	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLES)	BID PRICE
AU-1	Automated Urinalysis: Chemical analysis (strip) reader, preferably modular with the Microscopic analyzer.	16,000.00	800	20.00	
AU-2	Automated Urinalysis: Microscopic analysis with imaging	700,000.00	10,000	70.00	
	TOTAL A.B.C. for ADDITIONAL INCOME FUND	716,000.00			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED BACTERIAL AND FUNGAL IDENTIFICATION AND SUSCEPTIBILITY TESTING

A.B.C.: PhP 2,139,250.00 (ADDITIONAL INCOME FUND)

Supplier must provide an automated IDENTIFICATION AND SUSCEPTIBILITY TEST MODULE for BACTERIA AND FUNGI. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital.

MACHINES SPECIFICATION AND/OR KEY FEATURES FOR AUTOMATED BACTERIAL IDENTIFICATION AND SUSCEPTIBILITY TESTING		STATEMENT OF COMPLIANCE
AUTOMATED BACTERIAL AND FUNGAL IDENTIFICATION AND SUSCEPTIBILITY SYSTEM	<ul style="list-style-type: none"> Fully automated machine capable of performing gram negative, gram positive, Neisseria, Haemophilus and yeast Identification and Susceptibility testing. With dedicated identification and susceptibility cards for each parameter to be tested. 	
FEATURES AND / OR SPECIFICATIONS OF IDENTIFICATION PLATFORM	<ul style="list-style-type: none"> Gram negative identification card: 42 or more parameters Gram positive identification card: 42 or more parameters Yeast identification card: 42 or more parameters Neisseria, Haemophilus and other fastidious Gram negative bacteria identification: 42 or more parameters 	
FEATURES AND / OR SPECIFICATIONS OF ANTIMICROBIAL SUSCEPTIBILITY TESTING (AST) PLATFORM	<ul style="list-style-type: none"> Gram positive AST: 21 or more antibiotics present <ul style="list-style-type: none"> Capable to detect Methicillin resistant, mecA gene, and inducible clindamycin resistance Offer most of antibiotics listed in the minimum recommended list of antibiotic panel for gram positive by ARSP based on CLSI guidelines: <i>Cefoxitin, ciprofloxacin, clindamycin, daptomycin, erythromycin, penicillin, gentamycin, gentamycin high level, linezolid, oxacillin, rifampin, streptomycin high level, tetracycline, trimethoprim sulfamethoxazole, vancomycin</i> <i>Ceftriaxone, meropenem, levofloxacin, ampicillin</i> For gram negative AST: 17 or more antibiotics present <ul style="list-style-type: none"> Capable to detect gram negative resistance patterns (ESBL, AMPC, MDR, MBL) Offer most of antibiotics listed on the minimum recommended list of antibiotic panel for gram negative by ARSP based on CLSI guidelines: <i>Amikacin, amoxicillin clavulanic acid, ampicillin, aztreonam, cefazolin, cefepime, cefotaxime, cefoxitin, ceftazidime, ceftriaxone, cefuroxime (oral), ciprofloxacin, ertapenem, gentamicin, imipenem, meropenem, tazobactampiperacillin, trimethoprim sulfamethoxazole, nitrofurantoin, colistin</i> <i>Chloramphenicol, levofloxacin, sulbactam/ampicillin, minocycline, tetracycline</i> Yeast AST <ul style="list-style-type: none"> Offer the following antifungals: <i>fluconazole, voriconazole, caspofungin, micafungin, amphotericin B, flucytosine</i> 	
EQUIPMENT AND ACCESSORIES	<ul style="list-style-type: none"> Module designed for 60 or more platforms with PC, reader, incubator and LIS connectivity With McFarland standards (0, 0.5, 2, and 3) free of charge (shelf life: 12 months); to replace standards before expiry date. Provision of McFarland turbidity instrument reader with additional back up instrument reader. If reader is battery operated, the supplier must provide back-up batteries; rechargeable batteries with charger is desired. If needed, platform holders, autoclavable calibrated liquid dispenser, designated pipettes and tips holder must be provided. 	
TURN AROUND TIME	<ul style="list-style-type: none"> Maximum of 8 hours for identification Maximum of 24 hours for susceptibility testing 	

- Supplier must provide free controls (ATCC Strains – Pae 27853, Sau 29213, Eco 25922, *Candida albicans*, and any species of *Haemophilus* and *Neisseria* sp) and calibrators for all reagents and other necessary supplies needed for calibration and controls.
- Supplier must deliver equivalent number of suspension tubes as to the number of test platforms ordered.
- Supplier to provide free support in sending referrals to reference Laboratory.

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

	REAGENT FOR:	ADDITIONAL INCOME A.B.C.	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLE S)	BID PRICE
B-127	Automated system in Clinical Laboratories as an in vitro test for the identification of Enterobacteriaceae and a select group of glucose fermenting gram negative organisms (Gram negative Identification platform)	414,000.00	920	450.00	
B-128	Automated system in Clinical Laboratories as an in vitro test for the identification of Neisseria & Haemophilus (Neisseria & Haemophilus Identification Platform)	9,000.00	20	450.00	
B-129	Automated system in Clinical Laboratories as an in vitro test for the identification of Yeast Organisms (Yeast Identification Platform)	135,000.00	300	450.00	
B-130	Automated system in Clinical Laboratories as an in vitro test for the identification of Enterococci, Staphylococcus & Streptococcus species (Gram Positive Identification Platform)	324,000.00	720	450.00	
B-131	Automated system in Clinical Laboratories as an in vitro test to determine the susceptibility of Staphylococcus, Enterococcus, & S. agalactiae against the equivalent by efficacy concentrations of antimicrobial in ug/ml (Gram positive AST platform)	306,000.00	680	450.00	
B-133	Automated system in Clinical Laboratories as an in vitro test to determine the susceptibility of clinically significant aerobic gram-negative bacilli against the equivalent by efficacy concentrations of antimicrobial in ug/ml (Gram Negative AST Platform)	814,000.00	1480	550.00	
B-135	Automated system in Clinical Laboratories as an in vitro test to determine the susceptibility of clinically significant Yeast against antifungal equivalent by efficacy concentrations of antimicrobial in ug/ml (Yeast AST Platform)	137,250.00	300	457.50	
	TOTAL ABC for ADDITIONAL FUND	2,139,250.00			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS 2020

BID PROPOSAL: AUTOMATED BLOOD AND STERILE BODY FLUID CULTURE

A.B.C.: PhP 830,000.00 (ADDITIONAL INCOME FUND)

Supplier must provide an automated MODULAR ANALYZER FOR AUTOMATED BLOOD CULTURE. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital.

MACHINES SPECIFICATION AND/OR KEY FEATURES FOR AUTOMATED PROCESSING OF BLOOD CULTURE AND OTHER STERILE BODY FLUIDS		STATEMENT OF COMPLIANCE
BLOOD AND BODY FLUIDS CULTURE BOTTLE FEATURES / SPECIFICATIONS	<ul style="list-style-type: none">Plastic blood culture bottles for pediatric and adult useResin-based medium with antimicrobial removing deviceFor aerobic, anaerobic, and fungal isolation	
MACHINE FEATURES / SPECIFICATIONS	<ul style="list-style-type: none">Exceptional performance, improving workflow efficiencies from specimen collection to actionable results200 or more vial capacityWith built-in monitor, centralized computer touch screen, vial activation, enhanced visual indicatorInstant bottle and instrument status recognitionWith bottle barcode reader for automated bottle entry and keyboard for manual entry.	
SAMPLE	<ul style="list-style-type: none">Standard volume for blood cultureFor other body fluids: can accommodate even samples less than 1 mL.	

	REAGENT FOR:	ADDITIONAL INCOME FUND	QUANTITY FOR ABC	ABC PER TEST (INCLUDE ALL CONSUMABLES)	BID PRICE
B-136	Blood Culture bottles for pediatric aerobic culture with color indicator to positive growth, with antibiotic removing device, supplier to provide machine for processing, for pediatric use	450,000.00	1800	250.00	
B-137	Blood Culture bottles for Adult aerobic culture with color indicator to positive growth, with antibiotic removing device, supplier to provide machine for processing, for Adult use	380,000.00	1520	250.00	
	Total ABC for Additional Income Fund:	830,000.00			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: CHEMISTRY ANALYZER (WET CHEM)

A.B.C.

ADDITIONAL

845,210.00

The winning bidder:

1. Shall provide a fully automated and user-friendly chemistry analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
Measurement principle	✓ Absorbance photometry, turbidimetry, fluorescence polarimetry, with immunoassay principle	
Processing Capacity	✓ Can integrate with Immuno analyzer ✓ Fully automated; Walk-away ✓ 50 or more test parameters could be processed simultaneously; ✓ Random access sampling possible; with port for STAT analysis; ✓ Must have test counters, reagent inventory, quality control chart	
Throughput / processing time	✓ Must have throughput of 300-600 (and above)/hour. ✓ Can give results within 10 minutes per test, the lower the better	
Sample Type	✓ Serum, Plasma, Body Fluids, Urine	
Sample Volume	✓ Not more than 50 ul / test, can use as low as 10ul for neonatal samples (micro sample) ✓ With automatic sample pre-dilution	
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly	
Quality Control	✓ QC materials must be free of charge ✓ Two-level internal controls (If the winning bidder does not have two-level internal controls, the winning bidder must provide two-level third party controls free of charge) ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ Shelf life must not be less than 6 months on the date of delivery. ✓ On-board stability preferably at least one month ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

5. Must provide quarterly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall provide continuous water supply required by the machine free of charge.
8. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
9. Other requirements:
 - a. Shall provide a two-door commercial refrigerator (at least 8 cu. ft.) for storage of reagents and other consumables.
 - b. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - c. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - d. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - e. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - f. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - g. Must have Material Recovery Program for Laboratory Waste Minimization.
10. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-28	TIBC	9,180.00	90	102.00	
CC-29	SERUM IRON	5,400.00	90	60.00	
CC-30	ALP	9,900.00	450	22.00	
CC-31	ALT	26,400.00	1200	22.00	
CC-32	AST	26,400.00	1200	22.00	
CC-33	LDH	17,600.00	550	32.00	
CC-34	Total Protein	13,950.00	450	31.00	
CC-35	Albumin	22,050.00	1050	21.00	
CC-36	Total Bilirubin	38,400.00	1200	32.00	
CC-37	Direct Bilirubin	33,600.00	1200	28.00	
CC-38	Glucose	27,750.00	1850	15.00	
CC-39	Urea Nitrogen	80,000.00	4000	20.00	
CC-40	Creatinine	76,700.00	5900	13.00	
CC-41	Uric Acid	40,250.00	1150	35.00	
CC-42	Total Cholesterol	77,500.00	1550	50.00	
CC-43	Triglycerides	60,000.00	1500	40.00	
CC-44	HDL-Cholesterol	72,900.00	1350	54.00	
CC-46	Calcium	3,500.00	100	35.00	
CC-47	Phosphorus	12,250.00	350	35.00	
CC-48	Magnesium	37,700.00	650	58.00	
CC-49	Amylase	17,280.00	270	54.00	
CC-50	Lipase	7,500.00	250	32.00	
CC-53	CKMB	25,000.00	200	102.00	
CC-54	Microalbumin/Tinaquant	72,000.00	400	180.00	
AU-3	Urine/CSF Protein	32,000.00	640	50.00	
	TOTAL:	845,210.00			

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: CHEMISTRY ANALYZER (DRY CHEM)

A.B.C

ADDITIONAL

1,843,715.00

The winning bidder:

1. Shall provide a fully automated and user-friendly chemistry analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

Measurement principle	✓ Absorbance photometry, turbidimetry, fluorescence polarimetry, with immunoassay principle
Processing Capacity	✓ Can integrate with Immuno analyzer ✓ Fully automated; Walk-away ✓ 50 or more test parameters could be processed simultaneously; ✓ Random access sampling possible; with port for STAT analysis; ✓ Must have test counters, reagent inventory, quality control chart
Throughput / processing time	✓ Must have throughput of 300-600 (and above)/hour. ✓ Can give results within 10 minutes per test, the lower the better
Sample Type	✓ Serum, Plasma, Body Fluids, Urine
Sample Volume	✓ Not more than 50 ul / test, can use as low as 10ul for neonatal samples (micro sample) ✓ With automatic sample pre-dilution
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly
Quality Control	✓ QC materials must be free of charge ✓ Two-level internal controls (If the winning bidder does not have two-level internal controls, the winning bidder must provide two-level third party controls free of charge) ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time
Reagents	✓ Shelf life must not be less than 6 months on the date of delivery. ✓ On-board stability preferably at least one month ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide quarterly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
8. Other requirements:
 - a. Shall provide a reagent refrigerator (at least 8 cu. ft.) for storage of reagents and other consumables.
 - b. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - c. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - d. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - e. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - f. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - g. Must have Material Recovery Program for Laboratory Waste Minimization.
9. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

ITEM CODE	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-55	TIBC	20,430.00	90	227.00	
CC-56	SERUM IRON	5,490.00	90	61.00	
CC-57	ALP	19,100.00	400	47.50	
CC-58	ALT	93,135.00	2100	44.35	
CC-59	AST	105,483.00	2100	50.23	
CC-60	LDH	39,649.50	550	72.09	
CC-61	Amylase	13,543.20	270	50.16	
CC-62	Urea Nitrogen	282,650.00	5000	56.53	
CC-63	Uric Acid	102,340.00	2000	51.17	
CC-64	Total Protein	21,292.00	400	53.23	
CC-65	Albumin	52,047.50	1090	47.75	
CC-66	Total Bilirubin	17,442.00	340	51.30	
CC-67	Direct Bilirubin	10,260.00	200	51.30	
CC-68	Calcium	23,278.50	450	51.73	
CC-69	Phosphorus	16,768.50	350	47.91	
CC-70	Magnesium	39,389.00	850	46.34	
CC-71	HDL-Cholesterol	167,100.00	2000	83.55	
CC-72	Total Cholesterol	119,680.00	2000	59.84	
CC-73	Lipase	13,158.00	200	65.79	
CC-74	Triglyceride	119,680.00	2000	59.84	
CC-75	Creatinine	415,530.00	8100	51.30	
CC-76	Glucose	134,379.00	2700	49.77	
CC-77	Urine Protein	5,944.90	130	45.73	
CC-78	CSF Protein	5,944.90	130	45.73	
	TOTAL:	1,843,715.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)**BID PROPOSAL: ELECTROLYTE ANALYZER****A.B.C.****ADDITIONAL INCOME: 330,000.00****The Winning Bidder:**

1. Shall provide a fully automated and user-friendly electrolyte analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital. The supplier must provide a back-up machine.

		STATEMENT OF COMPLIANCE
Measurement Principle	Direct Ion Selective Electrode (ISE)	
Parameters	Sodium, Potassium, Chloride, Ionized Calcium	
Sample throughput	45-60 samples/hour	
Sample volume	10-100 uL	
Sample types	whole blood, serum, plasma, urine, dialysate	
Calibration	<ul style="list-style-type: none">✓ Calibrators must be free of charge✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months✓ 3-month supply of calibrators must be delivered one time✓ Calibration procedure must be simple and user- friendly	
Quality Control	<ul style="list-style-type: none">✓ QC materials must be free of charge✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls.✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months✓ 3-month supply of controls must be delivered one time	
Reagents	<ul style="list-style-type: none">✓ Pack type (for easy installation)✓ Shelf life must not be less than 6 months on the date of delivery.✓ Preferably of the same lot number for at least 3 months✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide monthly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
8. Other requirements:
 - a. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - b. Shall provide thermal paper for printing results.

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	REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

- c. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - d. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - e. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - f. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - g. Must have Material Recovery Program for Laboratory Waste Minimization.
9. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

ITEM CODE	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-23	Na/K/Cl combo Ionized Calcium	330,000.00	11000	30.00	
	TOTAL	330,000.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: HbA1c ANALYZER

A.B.C.

ADDITIONAL INCOME:

372,000.00

The winning bidder:

1. Shall provide a fully automated and user-friendly HbA1c analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
Measurement Principle	✓ High Performance Liquid Chromatography	
Parameters	✓ Measures HbA1c. Separates common hemoglobin variants (Hb Fetal , Hb C, Hb S), and other hemoglobin fractions ✓ Fully Automated	
Throughput/Processing Time	✓ Maximum of 5 minutes per sample	
Sampling	✓ Sample volume is 2 mL for primary tube samples, dilution possible for less than 2 ml samples. ✓ Barcode Reader for sample reading	
Certification	✓ Certified by the National Glycohemoglobin Standardization Program (NGSP) and traceable to Diabetes Control and Complications Trial (DCCT) – supplier to provide copy of certificates	
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly	
Quality Control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ 400 tests or more per kit inclusive of: Elution buffers Wash/Diluent Solution, Calibrator/ Diluent Set, QC material Sample vials for dilution of controls and low volume blood samples Thermal printer paper ✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide monthly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
8. Other requirements:
 - a. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - b. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - c. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - d. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - e. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - f. Must have Material Recovery Program for Laboratory Waste Minimization.
9. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-24	Glycosylated Hemoglobin (HbA1c)	372,000.00	1200	310.00	
	TOTAL	372,000.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	

	<p style="text-align: center;">MARIANO MARCOS MEMORIAL HOSPITAL AND MEDICAL CENTER <i>Department of Pathology and Laboratories</i> City of Batac, Ilocos Norte, Philippines Direct Line: (077)6008025; Trunk Line: (077)6008000 loc 1101,4113; Email:mmmh.lab13@gmail.com</p> <p style="text-align: center;">REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)</p>
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BID PROPOSAL: ARTERIAL BLOOD GAS ANALYZER (main analyzer)

A.B.C.

ADDITIONAL

360,000.00

- Shall provide a fully automated and user-friendly ABG analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital. Supplier must provide a back-up machine.

		STATEMENT OF COMPLIANCE
Measured parameters	✓ pO2, pCO2, pH, Hct, tHb, sO2, BE	
Calculated parameters	✓ H+, cHCO3-, ctCO2(P), BE, BEact, BEecf, BB, pHst, cHCO3-st, PAO2, Qs/Qt, P50, sO2, AaDO2, a/AO2, avDO2, AG, OER, Hct, PAo2, RI, pH, pCO2, pO2	
Sample throughput	✓ 20-30 samples/hour	
Sample volume	✓ 20-100 uL	
Sample types	✓ Heparinized blood sample	
Calibrations	✓ Auto-calibration system	
Quality control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ Liquid type, ready to use, no oxygen tank needed ✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	
Electrodes	✓ Cartridge type	

- Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
- Must be willing to pay the maintenance fee for the equipment to the LIS provider.
- Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
- Must provide monthly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
- All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
- Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
- Other requirements:
 - Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

- f. Must have Material Recovery Program for Laboratory Waste Minimization
9. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-21	Arterial Blood Gas	360,000.00	3000	120.00	
	TOTAL	360,000.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	

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	REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: ARTERIAL BLOOD GAS ANALYZER REAGENTS FOR REAGENT TIE-UP SCHEME (BACK UP MACHINE-CARTRIDGE TYPE / P.O.C.T.)

A.B.C.


ADDITIONAL INCOME: 240,000.00

The winning bidder:

1. Shall provide a fully automated and user-friendly POCT ABG analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital. Supplier must provide a back-up machine.

	✓	STATEMENT OF COMPLIANCE
Measurement parameters	✓ pH, PCO2, PO2, TCO2, HCO3, Beecf, SO2	
Sample throughput	✓ Maximum of 10 minutes testing time only; the shorter the better for STAT requests	
Sample volume	✓ 10-50 ul of sample, micro sampling for neonatal patients	
Sample types	✓ heparinized whole blood	
Calibration	✓ Auto-calibration; user-friendly ✓ Calibrators must be free of charge	
Quality Control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ cartridge type, for point of care testing ✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide monthly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
8. Other requirements:
 - a. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - b. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - c. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - d. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - e. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - f. Must have Material Recovery Program for Laboratory Waste Minimization.

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9. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
CC-22	Arterial Blood Gas	240,000.00	600	400.00	
	TOTAL	240,000.00			

NAME OF COMPANY:	
ADDRESS:	
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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: CAPILLARY ELECTROPHORESIS

A.B.C.

ADDITIONAL

301,300.00

The winning bidder:

1. Shall provide a fully automated and user-friendly hemoglobin electrophoresis analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
Measurement Principle	✓ CAPILLARY ELECTROPHORESIS	
Throughput	✓ More than 6 test / hour	
Test Parameters	✓ Hemoglobin, Hemoglobin A1c (Glycosylated Hemoglobin) Serum Protein Electrophoresis, and Immunotyping.	
Sample volume	✓ Maximum of 100 ul of samples to be used for 1 test, as low as 50 ul for neonatal/ pediatric samples. ✓ Sample slots for 12 x 75 mm tubes, micro-sample tubes for neonatal samples	
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly	
Quality Control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide quarterly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall provide continuous water supply required by the machine free of charge.
8. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
9. Other requirements:
 - a. Shall provide a reagent refrigerator (at least 8 cu. ft.) for storage of reagents and other consumables.



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

- b. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - c. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - d. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - e. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - f. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - g. Must have Material Recovery Program for Laboratory Waste Minimization.
10. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
H-6	Hemoglobin Electrophoresis	91,300.00	100	913.00	
CC-25	HbA1c	135,000.00	300	450.00	
SI-46	Serum Electrophoresis	75,000.00	100	750.00	
	TOTAL	301,300.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: IMMUNOLOGY ANALYZER

A.B.C.

ADDITIONAL

245,800.00

The winning bidder:

1. Shall provide a fully automated and user-friendly integrated immuno-chemistry analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
Measurement Principle	✓ Chemiluminescence immunoassay (CLIA)	
Processing Capacity	✓ Can integrate with a chemistry analyzer ✓ Fully automated; walk away ✓ At least 15 test parameters could be processed simultaneously ✓ Random access sampling possible; with capability for STAT analysis	
Throughput / processing time	✓ High throughput, at least 70 patient results/hour ✓ Processing time preferably not more than 20 minutes	
Sample Volume	✓ Not more than 50 ul/test	
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly	
Quality Control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide quarterly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall provide continuous water supply required by the machine free of charge.



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Department of Pathology and Laboratories

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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

8. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
9. Other requirements:
 - a. Shall provide a reagent refrigerator (at least 8 cu. ft.) for storage of reagents and other consumables.
 - b. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - c. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - d. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - e. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - f. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - g. Must have Material Recovery Program for Laboratory Waste Minimization.
10. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

ITEM CODE	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
SI-9	TSH	102,900.00	300	343.00	
SI-10	FT4	63,600.00	200	318.00	
SI-17	CEA	27,300.00	100	273.00	
SI-18	BETA-HCG	25,000.00	100	250.00	
SI-38	C-Reactive Protein (CRP)	27,000.00	100	270.00	
	TOTAL:	245,800.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	

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BID PROPOSAL: CARDIAC PANEL MACHINE FOR REAGENT TIE-UP SCHEME (MAIN)

A.B.C

ADDITIONAL INCOME: 264,600.00

The Winning Bidder:

- Supplier must provide a cartridge type (POCT) Cardiac Panel Machine. Supplier must meet end-user's specifications for the machine and reagents and willing to enter into a reagent tie-up agreement with the hospital. Must be compatible with LIS. Supplier must provide a back up machine.

		STATEMENT OF COMPLIANCE
Measurement Principle	Fluorescence Immunoassay	
Test Parameters	Troponin I Pro-BNP D-Dimer Myoglobin	
Throughput / processing time	Not more than 20 minutes, the lower the better	
Reagent	Cartridge type	
Sensitivity	≤ 0.10 ng/ml (for Troponin I)	
Quality Control	2 level external QC material (free of charge) Self-check, built in controls into the meter, software and test device	
Power Source	Preferably electrical; if battery-operated, supplier must provide batteries free of charge.	

- The portable system must include the instrument, integrated software, disposable cartridges and sample incubation work station.
- Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
- Must be willing to pay the maintenance fee for the equipment to the LIS provider.
- Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
- Must provide monthly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
- All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
- Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
- Other requirements:
 - Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - Must have Material Recovery Program for Laboratory Waste Minimization.
- Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
SI-40	Troponin I	264,600.00	600	441.00	
	TOTAL	264,600.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	



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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

BID PROPOSAL: S.L.E. PANEL (ANA & ANTI-dsDNA) ANALYZER

A.B.C.

ADDITIONAL


80,000.00

The winning bidder:

1. Shall provide a fully automated and user-friendly integrated immuno-chemistry analyzer with barcode scanner and must be compatible with LIS. Supplier must meet end-user's specifications for the machine and reagent, willing to enter into a reagent tie-up agreement with the hospital.

		STATEMENT OF COMPLIANCE
Measurement Principle	✓ Enzyme-linked Immunosorbent Assay (ELISA)	
Processing Capacity	✓ Fully automated; walk away ✓ Random access sampling possible	
Sample Volume	✓ Not more than 50 ul/test	
Calibration	✓ Calibrators must be free of charge ✓ Minimum of 6 months for shelf life; preferably same lot number for at least 3 months ✓ 3-month supply of calibrators must be delivered one time ✓ Calibration procedure must be simple and user- friendly	
Quality Control	✓ QC materials must be free of charge ✓ To provide two-level internal controls. However, in the event that the machine does not have two-level internal controls, the winning bidder must provide two-level third party controls. ✓ QC materials must have a minimum of 6 months shelf-life; preferably same lot number for at least 3 months ✓ 3-month supply of controls must be delivered one time	
Reagents	✓ Shelf life must not be less than 6 months on the date of delivery. ✓ Preferably of the same lot number for at least 3 months ✓ Provide all consumables sufficient to process specified number of tests.	

2. Shall provide means of fast communication in case of machine breakdown. Technical support for remedial and prompt response to service calls must be available 24/7. When technical issues and problems are unresolved, winning bidder shall send specialist/engineer within the next 24 hours. A list of dedicated specialist/engineer complete with contact details must be provided to the laboratory upon installation of the machine.
3. Must be willing to pay the maintenance fee for the equipment to the LIS provider.
4. Must also provide back-up machine with the same reagents while repair of the existing one is being undertaken and needed spare parts are being replaced.
5. Must provide quarterly preventive maintenance and calibration service for FREE. Replacement parts of the machine must be available free of charge in the laboratory for the duration of the contract.
6. All supplies and reagents must have an expiration date of at least one year upon delivery. Reagents and supplies with expiration of less than 6 months can be accepted provided that a certificate of replacement in case reagents and supplies are not consumed before the expiration date is submitted.
7. Shall provide continuous water supply required by the machine free of charge.
8. Shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
9. Other requirements:
 - a. Provide reagent consumption estimation per sample including calibration, controls for tests, and quality control purposes.
 - b. Shall provide AVR/UPS that can support at least 1 hour of power supply to the machine in case of black out.
 - c. Shall provide complete set of reagents and supplies for parallel testing during the evaluation of the machine.
 - d. All reagents and supplies consumed during preventive maintenance and machine repair must be replaced.
 - e. Must provide free training, local and international, to end user and free technical support during the contract period. Certificate of Training must be provided immediately after.
 - f. Must have Material Recovery Program for Laboratory Waste Minimization.

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	REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS (2020)

10. Machine shall be capable of performing all tests stated below: It can provide all required reagents including calibrators and controls.

	REAGENT FOR:	ADDITIONAL FUND ABC	QUANTITY REQUIRED FOR ABC	COST PER TEST (inclusive of consumable)	BID PRICE
SI-52	ANTI-NUCLEAR ANTIBODY	40,000.00	50	800.00	
SI-53	ANTI-dsDNA	40,000.00	50	800.00	
	TOTAL	80,000.00			

NAME OF COMPANY:	
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NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	



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Department of Pathology and Laboratories


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REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS(2020)

GENERAL RULES AND CONDITIONS:

1. The winning bidder must meet all requirements/specifications stated in the bidding documents.
2. All supplies and reagents must have an expiration date of at least one year upon delivery and must be replaced three months before expiration date.
3. Any reagent/supplies that are deemed unacceptable by the end user, after thorough investigation thereof, shall be replaced by the winning bidder without any cost to the end user.
4. All necessary concerns must be addressed within 24 hours including weekends and holidays after concern has been addressed through personal call or via text messaging or written report and acknowledge by the supplier.
5. Complete delivery of requested and purchased items must be observed at all times.
6. In case of trouble shooting, preventive maintenance of machine purchased reagents are not to be use rather supplier must bring their own reagent.
7. Allow evaluation of all machines by end user through product demonstration. All analytes/tests being bidded must be tested for minimum of three runs.
8. Winning bidder be responsible for the continuous operation of the installed machine to include upgrading, maintenance of ambient temperature (provide temperature monitor) needed by the machine.
9. Provide a functional back up machine with the same reagent. In case winning bidder cannot provide, tests will be sent out to the user's laboratory of choice and winning bidder shall shoulder all expenses incurred.
10. Provide functional UPS, AVR, Computer set and continuous ink flow printer until end of contract.
11. Proposed contract must be submitted with the bid proposal for evaluation.
12. All reagents/consumables must be listed in the bid proposal with its corresponding prices. Unlisted reagents/consumables will be considered free of charge.
13. Supplier must submit a cost analysis per test. The cost analysis must include the cost of reagent per test, including consumables.
14. Supplier must provide free controls (2 levels) and calibrators for all reagents and other necessary supplies needed for calibration and controls.
15. Supplier must provide free training local and international to end user and free technical support during the contract period.
16. Supplier to provide free machine repair, regular maintenance and calibration service and free machine spare parts.
17. Supplier to provide free electrode cartridges for ISE mode.
18. Supplier must have Material Recovery Program for Laboratory Waste Minimization.
19. Supplier must be willing to pay the maintenance fee for the equipment to the LIS provider.
20. Winning bidder shall provide the same lot of reagents bidded for at least 3 months.
21. Supplier shall validate machine upon installation and shall shoulder all reagents, controls and consumables needed in the validation.
22. Shall provide a CPR for all reagents and reagents are approved by FDA.
23. All winning bidders to provide back up machines with the same reagent as the winning tie up machine.
24. Supplier must provide appropriate storage for reagents.


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BID PROPOSAL:
HEMATOLOGY ANALYZER REAGENTS FOR REAGENT TIE-UP SCHEME
A.B.C. ADDITIONAL INCOME: P 2,742,240.00

- Supplier must provide a fully automated five parts differential (or more) hematology analyzer with body fluids mode, capable of reticulocyte count. Supplier must meet end-user's specifications for the machine and reagents; and willing to enter into a reagent tie-up agreement with the hospital for 1 year. Must be compatible with LIS. Supplier must provide two units of machine with same reagent; the other will be used as back up analyzer.


Technology	Fluorescence Flow Cytometry in all modes Sheath Flow Direct current detection method Body Fluid Cell Count Mode with no additional reagent required
Throughput	100-900 samples per hour Parameters CBC <ul style="list-style-type: none"> WBC MCH PDW HCT MCV RBC MCHC MPV RDW-SD PCT HGB PLT P-LCR RDW-CV PLT-F, IPF (immature platelet function) Diagnostic parameters DIFF channel <ul style="list-style-type: none"> NEUT% NEUT# EO% EO# LYMPH% LYMPH# BASO% BASO# MONO% MONO# IG% IG# #/% NRBC White Precursor Cell Diagnostic parameters RET channel <ul style="list-style-type: none"> RET% MFR IRF PLT-o RET# HFR LFR RET-He Research parameters DIFF channel <ul style="list-style-type: none"> HFLC% HFLC# Research parameters RET channel <ul style="list-style-type: none"> RBC-O, IRF-Y Delta-He FRC# RBC-Y RBC-He FRC% RET-Y RPI Body Fluid Analysis <ul style="list-style-type: none"> 2 part differential- PMN and MN #/% True 6-part Differential Analyzer (FDA approved) NRBC Analysis by Fluorescence Flow Cytometry Hematocrit test: detected by Cumulative Pulse Height Detection Method With special "low WBC (LW) Mode"-extended Count volume (3x) in LW mode (for leukocytopenic sample)
Reagent Features	In paper packages Dye cartridge embedded radio frequency identification for error-free loading of reagent Cyanide free hemoglobin reagent No additional reagent for body fluid analysis Reagent containers must not exceed 10-20L in volume
quality control	3 levels control materials with minimum 2 months shelf life supplier must ensure continuous supply of control materials LJ Chart can be printed directly even if not transported to LIS Excellent NEQAS performance

- Proposed contract must be submitted with the bid proposal for evaluation.
- Table top (for bench type machines), AVR and UPS must be provided by the supplier.
- All consumables must be listed in the bid proposal with its corresponding prices. Unlisted reagents/consumables will be considered free of charge.
- Supplier must submit a cost analysis per test. The cost analysis must include the cost of reagent per test including consumables.
- Reagents must have a shelf-life of 12 months or longer.
- Must provide free calibrators and controls.
- Must meet the general conditions and terms.

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	REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS(2020)

ITEM CODE	REAGENT FOR:	ADDITIONAL INCOME FUND ABC	QUANTITY FOR ABC	ABC PER TEST(INCLUDE ALL CONSUMABLES)	BID PRICE
H-1	CBC	P2,736,000.00	36,000	P76.00	
H-2	RETICULOCYTE COUNT	P 6,240.00	260	P24.00	
	TOTAL:	2,742,240.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	

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	REAGENT TIE-UP SPECIFICATIONS FOR ANALYZERS(2020)

BID PROPOSAL:

AUTOMATED COAGULATION MACHINE REAGENTS FOR REAGENT TIE-UP SCHEME

A.B.C. ADDITIONAL INCOME: 204,548.00

- Supplier must provide a fully automated coagulation machine. Supplier must meet end-user's specifications for the machine, reagents and willing to enter into a reagent tie-up agreement with the hospital for 1 year. Must be compatible with LIS. Supplier must provide a back up machine same reagent with the main machine.

Measuring principle	Light Scattering Photometry for Coagulation assays
Throughput	200-400 tests per hour; the shorter analysis time, the better, to accommodate STAT requests
Calibration	Easy calibration procedure Provides INR calibration Curve
Quality Control	Available 2 levels of controls Enabled QC management LJ Chart can be printed directly even if not transported to LIS
Sample Volume	50-100 ul of plasma to be tested; preferably as low as 20 ul for neonatal samples (micro sample)

- Proposed contract must be submitted with the bid proposal for evaluation.
- All consumables must be listed in the bid proposal with its corresponding prices. Unlisted reagents/consumables will be considered free of charge.
- Supplier must submit a cost analysis per test. The cost analysis must include the cost of reagent per test including consumables.
- Reagents must have a shelf-life of 12 months or longer.
- Winning bidder shall provide a commercial refrigerator for sample and reagent storage, at 220 volts.
- Must meet the general conditions and terms.

ITEM CODE:	REAGENT FOR:	ADDITIONAL INCOME FUND ABC	QUANTITY FOR ABC	ABC PER TEST(INCLUDE ALL CONSUMABLES)	BID PRICE
H-3	Prothrombin Time	114,800.00	2,050	P56.00	
H-4	APTT	89,748.00	1,662	P54.00	
	TOTAL:	204,548.00			

NAME OF COMPANY:	
ADDRESS:	
CONTACT NUMBER/S:	
NAME AND SIGNATURE OF DEALER / AUTHORIZED REPRESENTATIVE	