

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

CONTENT

Contents

GENERALITIES	3
1.1- Background and Justification	3
1.2- Subject.....	3
1.3 Presentation of the operation	4
1.4 Contractual constraints	4
1.4.1 purchase constraints.....	4
1.4.2 supply constraints	4
1.4.3 constraint after supply	5
DESCRIPTION AND SPECIFICATIONS OF ITEMS	5
1. Specifications: List of major equipment for a diagnostic laboratory	5
SEMIAUTOMATED HEMATOLOGY ANALYZER URIT 5160	5
specifications	5
SEMIAUTOMATED COAGULATION ANALYZER.....	5
Specifications.....	5
BALL ELECTRODE 5MM	6
Specifications.....	6
BENCHTOP MICROFUGE 20 CENTRIFUGE.....	6
Specifications.....	6
BIOCHEMISTRY ANALYZER SMT 120 FULLY AUTOMATIC (DRY CHEMISTRY ANALYZER)	7
Specifications.....	7
DIGITAL ECHOGRAPHY MACHINE SONOSCAPE E1	7
Specification	7
ELECTRO SURGICAL UNIT	8
Specifications.....	8
ELECTRONIC BALANCE	8
Specifications.....	8

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO
 INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

GRAVES MEDIUM SPECULUM	9
Specifications.....	9
OPTICAL SYSTEM OLYMPUS BIOLOGICAL BINOCULAR MICROSCOPE CX23....	9
Specifications.....	9
PORTABLE DENTAL UNIT (TURBINE)	10
Specifications.....	10
3. PURCHASE AND SUPPLY PROGRAM.....	11
3.1 at contact notification	11
3.2 In the course of supply.....	11

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REGION

GENERALITIES

1.1- Background and Justification

In light with the persistent socio-political crisis in the North West and South West regions of Cameroon, people are increasingly in need of basic social amenities like health and education. What started as a simple protest quickly degenerated into an armed conflict. The conflict has been ongoing since November 2016 which means it is in its 9th year.

This conflict has taken a great toll on human life, infrastructure, economic, cultural, social and governance systems so much that the whole area has been destabilized and is characterized by a lot of chaos.

That notwithstanding, the population is gradually emerging from the shock of the effects of the crisis thus trying to cope with the challenges of daily life. In fact, the population is getting ready to move forward; even with the crisis situation still remaining unpredictable. Though there is a decrease in the firearm confrontations and extrajudicial killings, kidnappings and demand for ransom is on the increase. These amoral and inhumane acts continue to exist in some locations; leading to protracted feelings of insecurity and negatively impacting the progress of the population.

The population, which is already gradually beginning to develop resilience now has people who could not carry out any economic activity for fear of destruction, kidnap and demand for ransom, etc are beginning to carry out economic activities while some who escaped are gradually returning to base. Some places which used to be battle grounds have come to know some level of peace now for so long that they can plan and carry out their activities without gun battle interruptions as was the case. Binsua is one of such.

The UNDP Recovery Program in the North West and South West Regions of Cameroon for the Rehabilitation and Equipment of health facilities is therefore a very necessary and timely intervention to help the population, especially that of Binsua to continue to build resilience.

1.2- Subject

These Terms of Reference constitute Specifications for medical items intended to recall the reference texts and regulations for the qualities required for the various equipment and materials included in the scope of supply of this call for tenders.

The specific technical clauses and the descriptive relating to the various items with the location of the requirements give a complete description possible for the supply to be performed, with the aim of enabling the Contractor to interpret the details, to specify the nature of the materials to be used and to determine the particularities of manufacture and implementation. These requirements cannot claim to be a complete and perfect description of the items. The Contractor must provide without exception or reservation all the items. The

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

Contractor will provide the unit prices for all items of the Bill of Quantities (BOQs). Consequently, the Contractor can never argue that errors or omissions in the items and specifications may exempt him from supplying all the work.

Within the context of the UNDP Recovery Program and pertaining specifically to the Rehabilitation and Equipment of health facilities in the North West and South West Regions of the Republic of Cameroon, the Diocese of Kumbo, through the Social Welfare/Caritas Department, Diocese of Kumbo, here represented by the Diocesan Coordinator, Social Welfare/Caritas Kumbo publish these Terms of Reference constituting specifications for medical items intended to recall the reference texts and regulations for the qualities required for the various equipment and materials included in the scope of supply of the call for tenders published by UNDP for the procurement and installation of medical equipment within the above mentioned program.

1.3 Presentation of the operation

This project is related to the rehabilitation of Catholic Health Center, Binshua in Donga Mantung Division of the Diocese of Kumbo in the North West Regions of Cameroon. The present health facility is serving a total population of 36,700 people majority of who are women. All the supplies planned on this site constitute a number of lots as per the project and location.

But most importantly this Specification refers to a competitive Call for Tender for the supply of medical items to complement the rehabilitation of Catholic Health Center (CHC), Binshua. In the texts that follow, the expressions «Project Owner» refer to the UNDP within the framework of these Terms of Reference (TOR).

The package of interventions which involved purchase and supply of medical equipment to CHC Binshua includes the following:

- supply of medical equipment
- Supply of reagents that go along

1.4 Contractual constraints

1.4.1 purchase constraints

After the attribution of the contract, the supplier will purchase all the items based on their specifications and stock them in a suitable location which will be controlled by the UNDP Bamenda office. If found appropriate, the supplier will be given the go ahead to transfer the said items to CHC Binshua.

1.4.2 supply constraints

The supplier is responsible to transfer and install all the purchased items with respect to their quantities at the health center.

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REGION

1.4.3 constraint after supply

After supply, the supplier will give at least 12 months of guarantee for supplied items. Within this period, if there is any malfunctioning of the supplied items, the supplier will be requested to do maintenance or change completely the said item.

DESCRIPTION AND SPECIFICATIONS OF ITEMS

1. Specifications: List of major equipment for a diagnostic laboratory

SEMI-AUTOMATED HEMATOLOGY ANALYZER URIT 5160 specifications



- ✓ Throughput: up to 60 samples per hour (whole blood/pre-diluted).
- ✓ Sample volume: 20 µl(whole blood/pre-diluent).
- ✓ Parameters: 34 parameters, including 5-part WBC diff(Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils), RBC,HGB,PLT, and reticulocytes.
- ✓ Technology: laser light multi-dimensional cell classification (flow cytometry) and electrical impedance.
- ✓ Display: 10.4 inch color touchscreen.
- ✓ Data storage: up to 200,000 results with histograms/scatter grams.

SEMI-AUTOMATED COAGULATION ANALYZER Specifications



- ✓ Detector: 4 channels.
- ✓ Incubator: 16 sample positions,4 reagent positions (turnable incubation time).
- ✓ Data Storage: 500 tests results.
- ✓ Display: 5.1"LCD screen.
- ✓ Print: Built-in printer & external printer.
- ✓ Input / Output: RS-232 port and parallel interface.
- ✓ Power: AC100V~240V, 50/60Hz, 45W.
- ✓ Dimension: 380 mm(W) ×40mm(D) ×130mm(H).

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

BALL ELECTRODE 5MM

Specifications



- ✓ Tip diameter: 5mm (or 3/16 inch).
- ✓ Shaft diameter: standard 3/32'' (2.3 mm).
- ✓ Material: high-quality stainless steel.
- ✓ Compatibility: universal fit for major electro surgery generators/pencils.

BENCHTOP MICROFUGE 20 CENTRIFUGE

Specifications



- ✓ Platform: microfuge.
- ✓ Maximum speed: 15,000 RPM.
- ✓ Maximum g-force: 20,627 xg.
- ✓ Acceleration: 10 acceleration profiles.
- ✓ Deceleration: 10 acceleration profiles.
- ✓ Time run: 10 sec to 99 min, 59 sec in 1sec increments or continuous.
- ✓ Weight: 13kg .
- ✓ Width: 31cm.
- ✓ Depth: 42cm.
- ✓ Height: 27cm.
- ✓ Power requirement: 220-240 VAC, 50/60 hz

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO
INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

BIOCHEMISTRY ANALYZER SMT 120 FULLY AUTOMATIC (DRY CHEMISTRY ANALYZER)

Specifications



- ✓ Sample type : anti-coagulated whole blood,serum,plasma.
- ✓ Sample volume: 90-120µl.
- ✓ Bar code: QR code.
- ✓ Testing time: 12 minutes/sample.
- ✓ Testing principle: absorption spectroscopy,transmission turbidimetry.
- ✓ Testing method: end point, kinetic,fixed time,turbidimetry, etc.temperature: 37 + or – 0,3 °C.
- ✓ Power supply:input AC 220v,50HZ.
- ✓ Storage:500,000 results.
- ✓ Weight:4.2kg.
- ✓ Printer:bull-in thermal printer.
- ✓ Connectors: 2 USB ports.

DIGITAL ECHOGRAPHY MACHINE SONOSCAPE E1

Specification



- ✓ Display: high-resolution LED, anti-flickering.
- ✓ Imaging mode/M/Color/PW Doppler, tissue Doppler, 3D/4D, panoramic imaging.
- ✓ Compact, 15.6’’ rotatable monitor, up to 60fps, 40 cm depth, single/dual probe ports, options for PW/3D/WIFI.

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO INTEGRATED HEALTH CENTERS IN THE NORTH WEST REGION

ELECTRO SURGICAL UNIT



Specifications

- ✓ Power output: max 400W (monopolar), bipolar power typically lower (e.g., 70W-150W).
- ✓ Operating frequency: around 400-470 kHz.
- ✓ Technology: microprocessor controlled, digital display, feather touch buttons, impedance sensing for consistent power.
- ✓ Advanced features: memory for last settings, automatic power compensation, remote power adjustment, tissue sensing.

ELECTRONIC BALANCE

Specifications



- ✓ Capacity: ranges from 2000g to much larger capacities.
- ✓ Display: bright, clear LCD.
- ✓ Precision/top-loading: higher readability like 0.01g, 0.02g.

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO
 INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

GRAVES MEDIUM SPECULUM

Specifications



- ✓ type : open sided.
- ✓ Lock mechanism :screw-type
- ✓ Material : stainless steel.
- ✓ Usage: reusable, for pelvic exams, pap smears, and cervical visualization.

OPTICAL SYSTEM OLYMPUS BIOLOGICAL BINOCULAR MICROSCOPE CX23

Specifications



- ✓ Model Number: CX23
- ✓ Theory: Biological Microscope
- ✓ Drawtube: BINOCULAR
- ✓ Product name: Olympus Biological Binocular Microscope
- ✓ Body: Aluminum die-casting metal frame
- ✓ Optical set: Infinity Optical system
- ✓ Objectives: Plan achromat, anti-fungus, 4x, 10x, 40x, 100xOil
- ✓ Power consumption: less than 2W
- ✓ Interpupillary ajustable: Minimum 48mm
- ✓ Observation Tube:30 degree inclined tube
- ✓ Weight:6kg
- ✓ Field number:20
- ✓ Illumination configuration: Built-in transmitted illumination system
- ✓ Certification: pcoc, IECEE, scoc, EPA.

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO
 INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

PORTABLE DENTAL UNIT (TURBINE)

Specifications

Portable Dental Turbine Unit



- ✓ Power : 410W-550W.
- ✓ Voltage : 110v/220v, 50/60hz
- ✓ Weight : 20kg.
- ✓ Noise : low, around 40-45 dB.
- ✓ Water supply: usually a clean water bottle with pressure control.

EQUIPMENT	QTY	AMOUNT	COMMENTS
Auto Hematology Analyzer	1		
Semi-Automated Coagulation Analyser	1		
Ball Electrode 5mm	30		
Benchtop Microfuge 20Centrifuge	1		
Biochemistry Analyzer SMT 120 Fully Automatic (Dry chemistry analyzer	1		
Digital Echography Machine	1		
Electro Surgical Unit	1		
Electronic balance	1		
Graves Medium Speculum	30		
Olympus microscope	1		
Portable dental unit (Turbine)	1		

SPECIFICATIONS AND INSTRUCTIONS FOR THE PURCHASE AND SUPPLY OF MEDICAL ITEMS TO
INTEGRATED HEALTH CENTERS IN THE NORTH WEST REIGION

3. PURCHASE AND SUPPLY PROGRAM

3.1 at contact notification

Within ten (10) days after contact notification, the supplier must provide the organization chart of supplies in the form of GANTT planning, in order to facilitate control of the supplied items. This provisional program will include in particular all the information relating to:

- the arrangements made for purchase and storage prior to control before supply.
- the arrangements made for the site supplies.
- the arrangements made for the installation of these items and performance testing.

The Project Manager has five (5) days to comment on the programs submitted to him by the supplier.

3.2 In the course of supply.

In addition to the general schedule established at the supply notification, the supplier must establish a weekly program as the supply progresses.