

Section II: Schedule of Requirements

Schedule of Requirements Lot-I

Re-advertisement for the Supply of Digital X-Ray Machines for General Hospitals in Yobe State, Nigeria

A. Technical specifications for Goods and Comparative Data Table

Supply and Installation of Lot - I - Supply of Digital X-ray machines and Related Services for General Hospitals in Jakusko and Yusufari, Yobe State, Nigeria

Item No	UNOPS minimum technical requirements	Is Bid compliant? Bidder to complete	Details of goods offered. Bidder to complete
1	Digital X-Ray	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications and brand/model offered if applicable
	Generator Power: 40 kW (minimum), 80 kW (Maximum)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Power supply: Three phase 380 +/- 10%, 50Hz	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	KV: 40kV to 150kV (minimum range), Stepping by 1kv	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	mA: 10mA to 650mA (minimum range)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	mAs: 0.4mAs to 630mAs (minimum range)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	EXPOSURE Time: 0.001 to 6.3s (minimum range)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Focus: Dual Focus 0.6 mm x 0.6 mm, 1.2 mm x 1.2 mm (or better)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Rotating speed: 2500 prm (minimum) at 50 Hz power frequency	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Heat capacity: 600 khu (minimum)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Inverter frequency: 50kHz ~ 200kHz (or better)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Tube movement: Upward and Downward movement, Left and Right Rotation	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Column: Left and Right movement	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Radiography table: 4-Way floating	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Bucky Stand For use of the radiography of the chest, skull, thoracic and spinal areas of the body.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Vertical locking system electromagnetic lock	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered

Flat Panel detectors specifications	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
A set of two pieces of FPD Size: 17 x 17 inches minimum	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
A moveable and wireless	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Flat Panel Detector: Amorphous silicon cesium iodide (or better technology)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Detector Size: 17 x 17 inches minimum	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Pixel Pitch: 3072 x 3072 (or better)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
A/D Conversion: 16 bits (or better technology)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Spatial Resolution: 3.5 LP/mm (or better)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Software: Professional medical software with multi-languages (with minimum English language) (Supplier to make updates available when required)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
After-sale Service: Technical support	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Warranty: 2 Years including spare parts, Preventive and curative maintenance free of charge.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
PC Workstation: Intel i5 CPU (or better). 8GB RAM or better, 22-24" (minimum size) Display with a UPS (online) for the system unit.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Quality Certification: CE or FDA certified; ISO13485 certified; ISO 9001 Manufacturer's QMS certificate ISO14001 EMS Certificate SONCAP Certificate: Standard Organization of Nigeria Conformity Assessment Program	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
Accessories to be included: Two (2) sets of Flat Panel detectors (with specifications as described above)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
2 sets of Lead aprons (Lead Equivalent: 0.5 mm Pb), lead rubber, Size: 100 x 60 cm With Pocket, Unisex Size. (Adjustable with Velcro) and all necessary accessories for the system's good operation.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
There should be a local presence	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered

Item 2A:	Digitizer Computerised Radiography (CR system) (Award is Optional - Dependent on the Availability of Budget)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications and brand/model offered if applicable
	*CR System:- with workstation and 4 plates (minimum), Standalone machine	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Function: Conventional Film/Screen based X-Ray	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Operational requirement: able to record X-Ray images on Imaging Plates (IP)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Image Reader: Cassette Mechanism to Load and Unload IP Single cassette feed	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Throughput: ● 35 x 43 cm (14x17") ● 35 x 35 cm (14 x 14") ● 24 x 30 cm (9.5 x 12") ● 18 x 24 cm (7 x 9.5") ● 15 x 30 cm (6 x 12")	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	CR Workstation: Capable of Archiving and printing selected images to a standard DICOM destination Remote ID and Preview	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Display ● LED status Indicator ● Status and error messages on external PC monitor Grayscale resolution ● Data acquisition: 20 bits/pixel (or better) ● Output to processor: 16 bits/pixel (or better) *Power Supply / Freq.: AC 220 ~ 240V, 50/60Hz	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Quality Certification: CE or FDA certified; ISO13485 certified; ISO 9001 or Manufacturer's QMS certificate ISO14001 Certificate SONCAP (Certificate: Standard Organization of Nigeria conformity assessment program)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Delivered with 01 sets of FDP - Size: 17 x 17 inches (x2) and - 35x35 inches (x1)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered

Item 2B:	Laser Imager (printer) for Radiology	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications and brand/model offered if applicable
	Print from CR, DR, CT, MR, PACS Viewers and other grayscale medical film applications.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Technology: Photothermographic (dry laser)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	minimum 320 pixels per inch	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Throughput: Minimum 45 films per hour (film size dependent)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Daylight-load film cartridges minimum 125 sheets/cartridge	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Film Sizes:		
	the following formats must be available: <ul style="list-style-type: none"> • 14 x 17 in. (35 x 43 cm) • 11 x 14 in. (28 x 35 cm) • 10 x 12 in. (25 x 30 cm) • 8 x 10 in. (20 x 25 cm) 	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Network Connectivity: Integrated DICOM interface supports printing from DICOM print modalities	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Connect non-DICOM modalities using PACS Link Medical Image Managers	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Power: 200 – 240 VAC; 50/60 Hz	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Magnetic field: < 50 Gauss Standard configuration with DICOM Including necessary accessories for its good operation	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Including two (2) years warranty	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
	Quality Certification: CE or FDA certified; ISO13485 certified; ISO 9001 or Manufacturer's QMS certificate ISO14001 Certificate SONCAP Certificate: Standard Organization Of Nigeria Conformity Assessment Program	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered

	Delivered with: - 200 dry laser films size 35x35cm - 200 dry laser films size 25x30cm	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
--	--	--	---------------------------------

B. Related services - Related services – Supplier is required to have the below equipment installed at the Consignee Delivery Location (General Hospital Jakusko and General Hospital Yufusufari, Yobe State, Republic of Nigeria)

Item/ lot	Description of the services	Qty	Is Bid compliant? Bidder to complete	Details of Services offered. Bidder to complete
1.	<ul style="list-style-type: none"> Install the Complete Digital X-ray machine (Static) with a bucky chest stand and a 4-way bucky table at the two general hospitals in Jakusko (General Hospital Jakusko) and Yusufari (General Hospital Yusufari). Installed, Test, and commission the X-ray machines. Train the technicians, operators, and end-users on the operation of the X-ray machine and its accompanying accessories, including printers. 	2 Units	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
2A	Digitizer Computerised Radiography (CR system) (Award is Optional – Dependent on the Availability of Budget)	2 Units	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered
2B	Laser Imager (printer) for Radiology	2 Units	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered

C. Delivery requirements and Comparative Data Table:

UNOPS Requirements		Is Bid compliant? Bidder to complete	Details Bidder to complete
Delivery time	Bidder shall deliver the goods within 8-10 Weeks after Contract signature.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Delivery place and Incoterms rules	CIF port of Lagos, Nigeria (Incoterm 2020)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

Consignee details	United Nations Development Programme, UN House No. 617/618, Diplomatic Drive Central Business District Abuja, Nigeria Tel: +234 813 361 1945 Email: nonso.orefo@undp.org CC: HerbertA@unops.org Attn: Nonso Orefo	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text" value="Insert details"/>
UNOPS Right to vary requirements	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%, without any change in the unit prices or other terms and conditions of the ITB.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text" value="Insert details"/>

D. Inspections and tests

The following inspections and tests shall be performed:

The goods will be inspected and tested by the consignee upon receipt of the goods at the delivery place. If any of the goods fail to meet the consignee minimum requirement as per section II – Schedule of Requirement, the goods will be rejected and returned to the supplier at the supplier's own cost, and payment will not be made to the supplier until such goods are delivered