

Section II: Schedule of Requirements

Requirements summary table

Lot No	Description	Quantity
1	Portable Colour Doppler Ultrasound machine	7
2	HF Mobile Analog System (X-ray)	5

A. Technical specifications for Goods and Comparative Data Table

Item No	UNOPS minimum technical requirements	Quantity	Is Bid compliant? Bidder to complete	Details of goods offered. Bidder to complete
Lot 1	Portable Colour Doppler Ultrasound machine Minimum general requirements <ol style="list-style-type: none"> Versatile, state-of-the-art fully Portable digital Colour Doppler ultrasound system (digital beamformer) with electronic phased array/ sector array, linear and general convex scanning, allowing visceral, vascular, cardiac, obstetrical gynaecology and soft tissue examinations. Delivered with B/W video printer. Delivered with trolley 	7	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
	Main Unit & Image management Specifications <ol style="list-style-type: none"> Operating mode: B, 2B, B/M, PW, B/D, CW, B/C/D, speed, power (direction), triplex/duplex or more. Display screen: at least 15" LCD screen, External ports: at least 2 USB ports and coaxial (or USB) port for B/W video port connection. Probe connectors ports: Minimum two (02) Image processing technology: Image optimization and enhancement functions, multi-beam parallel processing, filter, colour coding, THI and more. File Management: HDD Storage, Online Storage, Snapshot and transfer via , USB 	7	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements

	10. Products and software: OB, Gyn, small body parts, urology, andrology, cardiology, blood vessels			
	Probes and accessories System must be delivered with the following: 11. 3.5Mhz multifrequency convex probe configured with colour doppler function 12. 15 Mhz multi frequency linear probe, with colour doppler function 13. 2.5 Mhz multi frequency phased array probe, with colour doppler function 14. DICOM 3.0 (or better version), 15. Black & white video Printer with accessories 16. Trolley with safety brakes with a comfortable handle to facilitate the unit movement. 17. Suitable suitcase for safe transportation	7	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
	Accessories/ spare parts to be quoted separately 18. All recommended spare parts for preventive maintenance for 2 years.	7	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
Lot 2	HF Mobile Analog System - Minimum general requirements 1. <i>High Frequency analog Mobile Radiography System dedicated for routine general radiography at the patient's bedside, on stretcher or operating table</i> 2. System should be capable of taking the complete range of radiographic examinations.	5	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
	X-Ray Generator 3. High Frequency Generator, minimum Frequency: 20 KHz or better. 4. Power supply (V; A): 230 V \pm 10%; 50 Hz with suitable plug E type 5. Built in trolley with easy transportation 6. Nominal Output: Maximum 16KW, 7. mA Range: Minimum 200mA	5	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements

	<p>8. KV Range: Minimum : 40KV to 120 KV with increment of 1KV steps</p> <p>9. The control should have overload protection of the x-ray tube.</p> <p>10. The x-ray tube should be either Stationary or rotating anode with two focal spots of max. 0.6 mm for small focus and max 1.5mm for large focus</p> <p>11. Tube heat storage capacity: minimum 350 KJ</p> <p>12. Anode heat storage capacity: minimum: 35 kJ</p> <p>13. X-Ray radiation Inherent filtration should be 0.5mm Al.</p> <p>14. The generator should have an indication for error, X-Ray ON & Mains</p> <p>15. The double slot manual light beam collimator should be supplied with the system, it should have an auto cut off system.</p> <p>16. Control panel should have an exposure function and a double step exposure switch should also be provided with a cord of 3 metres or more.</p> <p>17. The control panel should have digital display of KV, mA, mAs or Secs</p>			
	<p>System Design & Transport</p> <p>18. Mobile block on wheels, fitted with a protection system against side and front impact with a comfortable handle that facilitates the unit movement and positioning</p> <p>19. Wheels Movement Brake/ Safety: Deadman type Handle</p>	5	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
	<p>X-Ray Tube Support</p> <p>20. Rotating arm: up, down, transverse</p> <p>21. Collimator rotation range: the collimator should be rotatable and provide at least 35 cm x 43 cm coverage at a 100 cm SID.</p> <p>22. Collimator type : Manual, with LED light field indicator</p> <p>23. Collimator with a pair of independent collimator blades controls the X-ray field light field lamp</p>	5	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
	<p>Accessories – To be offered as standard</p> <p>24. The system should be delivered with all standard accessories.</p>	5		

	Accessories/ spare parts to be quoted separately: 25. All recommended spare parts for preventive maintenance for 2 years.	5	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered for each related technical requirements
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**Manufacturer's technical literature (brochures, booklets, instructions, etc.) should be submitted. Manufacturer's technical literature submitted with the offer must comply with the written specifications of the Bidder. In the event that there are differences between the submitted manufacturers' literature and written Bidder specification, reasons for that must be explained in the Bidder specifications. The manufacturers' technical literature should be marked in an appropriate manner (i.e. model number).*

B. Related services requirements (both lots)

UNOPS Requirements		Is Bid compliant? Bidder to complete	Details Bidder to complete
Documentation for clearance & delivery to final destination	Bidder, if selected, shall provide <u>in original</u> the complete documentation allowing UNOPS' agent to process the tax exemption. The Supplier or its Local representative will deliver the goods to the final destination inside the healthcare facility	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Installation & testing	The equipment must be assembled and tested by the Supplier or its Local Representative in the destination unit and the results of the functional tests delivered to beneficiary and UNOPS.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Training	A training on the use and maintenance during 5 (five) days, aimed at users of the equipment (Minimum 4 people: 02 users and 02 technicians). The bidder must certify that the technician who will provide the training to the medical and technical personnel was trained by the equipment manufacturer. The technician must prepare a record of the persons trained with the signatures to confirm the training received <i>Please attach the training plan including the main modules.</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Preventive maintenance	Preventive maintenance includes at least 2 annual visits and the change of spare parts,	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

	<p>necessary supplies as foreseen in the equipment manual.</p> <p><i>Please insert the maintenance plan for 2 years, including related costs.</i></p>		
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C. Sustainable and warranty requirements (both lots)

UNOPS Requirements		Is Bid compliant? Bidder to complete	Details Bidder to complete
Sustainability Requirements – Local partner for after-sales service	If the Supplier is not a Tunisia Company, the Supplier shall indicate a Tunisian Company as Local Representative of the proposed brand. The Supplier shall present in the tender a declaration duly signed by the Tunisian Company chosen that assumes the role of Local Representative and will guarantee all the preventive and corrective maintenance at least during Supplier extended warranty.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Sustainability Requirements - Environment Management System	Bidders must include evidence of the manufacturer being in possession of a current ISO 14001 EMS or equivalent certification for each of the production sites where offered products originate from. If this certification is not yet in place, the bidder must submit an approval internal procedure in relation to Environment Management System	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Sustainability Requirements - Quality Standard	Bidders must include evidence of the manufacturer being in possession of a current ISO13485 or equivalent certification for each of the production sites where offered products originate from.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Sustainability Requirements - Conformity of the equipment	<p>The proposed medical equipment must be compliant to (or equivalent):</p> <ul style="list-style-type: none"> ❖ CE (93/42/EEC) or FDA certified 	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

Warranty - Scope & period	The warranty covers all delivered equipment and accessories. 24 months from final receipt with coverage for manufacturing defects.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Warranty - Service	The warranty covers all delivered equipment and accessories. 24 months including preventive and corrective maintenance at the installation site. Preventive maintenance includes at least 2 annual visits and the change of spare parts, necessary supplies as foreseen in the equipment manual. Corrective maintenance includes manpower and replacement of parts with no call limitations with the sole exclusion of damage from misuse. The preventive and corrective maintenance technical service must be carried out by a company based in Tunisia. The Supplier and its Local Representative will be responsible for preventive and corrective maintenance.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Warranty - spare parts availability	Written warranty of the Producer of the sole availability of spare parts (parts not to be included in the offered price) for at least 5 years after contract signature	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Warranty - Operating manual	User and service manual in digital form of the proposed equipment in English or French must be submitted to UNOPS	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

D. Delivery requirements and Comparative Data Table (both lots)

UNOPS Requirements		Is Bid compliant? Bidder to complete	Details Bidder to complete
Delivery time	Bidder shall deliver the goods within 5 months after Contract signature.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Delivery place and Incoterms rules	Port of Tunis; Incoterm CPT, 2020	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details
Consignee details	Ministry of Health, Government of Tunisia	<input type="checkbox"/> Yes <input type="checkbox"/> No	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	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details

	services specified above, provided this does not exceed +/- 20% , without any change in the unit prices or other terms and conditions of the ITB.		
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E. Minimum documents to be presented to the offer

- All the returnable bidding forms, unless not applicable.
- Brochures, technical sheets and marketing catalogues of the goods offered that allow to verify the compliance with the technical specifications.
- Valid commercial licence/registration certificate of the bidder.
- The CE or FDA certificates.
- Producer conformity with ISO13485.
- Manufacturer ISO14001 or equivalent.
- Manufacturer authorization and declaration for availability of spare parts.
- User and service manuals in digital and printed formats (if selected).
- List of all accessories and options with individual quotations.
- List of spare parts with individual quotations.
- Declaration of Tunisian Company to assume the role of Local representative being responsibility of preventive and corrective maintenance during Supplier extended warranty.
- Training plan for each lot, including main modules and duration.
- Preventive maintenance plan for 2 years for each lot.

F. Inspections and tests

The following inspections and tests shall be performed:

- 1) The supplier must have the goods inspected in the manufacturer's facility by a competent authority and submit a test certificate and also a guarantee/warranty certificate that the goods conform to written specifications;
- 2) The Purchaser will check the availability of Compliance Certificates issued for equipment supplied. UNOPS or its representative may inspect and/or test any or all items of the goods to confirm their conformity to the contract, prior to dispatch from the supplier's premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination. If the goods fail to meet the laid down specifications, the Supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser;
- 3) Upon arrival at the port of destination, the supplier must perform through its local representative the required installation or testing of the equipment.