

Section II: Schedule of Requirements

eSourcing reference: **ITB/2023/49427**

A. Summary of Requirements

Supply and delivery of Digital C arm Machine to AVH hospital, East Jerusalem, oPt, as per the minimum technical requirements in the table below.

B. Technical specifications for Goods and Comparative Data Table

Item No	UNOPS minimum technical requirements	Quantity
1.	<p>Digital C arm Machine</p> <p>Ideal to be used for Vascular, Orthopedic, Spine, neurosurgery and interventional Radiology Procedures Premium Brand Device with latest Technology</p> <p>X Ray Generator Output power of minimum 15 KW or more for digital radiography Dedicated DC Controlled High Frequency X Ray Generator of minimum 40 KHZ Generator Frequency with complete Digital Fluoroscopy Fluoroscopy KV range: 40-120KV or more in steps of 1KV Fluoroscopy mA (Normal) up to 17 mA Pulsed fluoroscopy mA range 1.5-250mA , pulse width 7-40 ms Pulse rate 1,2,4,8,12.5,25 p/s Machine should allow capture of Single Shot Images in Fluoroscopy Mode (SNAP SHOT) Recording of kV and mA for each exposure</p> <p>Single Phase AC power Supply All Vascular Software includes Digital Subtraction Angiography (DSA), MSA, with Road Map facility should be provided as standard and contrast media injector</p> <p>X-Ray Tube Dual focus Rotating Anode with focal spot size of 0.6mm or less Anode heat capacity 300KHU or more The collimation system should be Iris Collimator shutters operation should be done without radiation. Advanced cooling to prevent overheat for long procedures Thermal safety cutoff to be provided Emergency Stop Button</p>	1

	<p>C arm</p> <ul style="list-style-type: none"> · Fully Counterbalanced C ARM with following estimated movements: · Horizontal Travel of 250mm or more · Swivel range Movement - +/- 12.5 Degrees or more · Angulation - +/- 225 Degrees · Arc orbital movement of -120/ +45 degrees · Depth of the C – at least 750 mm · Source to image Distance – 109 cm or more · LASER AIMER for Radiation free positioning of C Arm · Locking of all movements kindly specify the type <p>Electromagnetic breaks</p> <ul style="list-style-type: none"> · Radiation indicator lamp on monitor · Integrated Laser target device for proper positioning without radiation. <p>TV Camera & Memory</p> <p>Compact CCD camera with at least 3k x 3k pixels or better, along with Two No. 19" TFT high resolution touch monitor mounted on easy to move integrated trolley having facility of recording devices for archiving of images on a hard disk of about 18000 or more images, as well as on CD in DICOM 3 format.</p> <p>Flat Panel Detector CMOS , the largest pixel size more than 100</p> <p>DICOM viewer software must be burnt automatically to view images on any PC.</p> <ul style="list-style-type: none"> · Digital filters for noise reduction, edge enhancement & motion detector · Real time image rotation of LIVE & Last Image Hold. · Display of positive / negative images <p>frame rate 30 f/s</p> <p>cine loop with auto play back</p> <p>Beam filtration Technology for Dose reduction Technique</p> <p>Excellent Image quality with Lower dose</p> <ul style="list-style-type: none"> · Dose report should be available at the end of each expos <p>Dose Area Product DAP</p> <ul style="list-style-type: none"> · Image storage: 100,000 images on hard disk in 1K2 matrix, larger is better · WLAN: WLAN-Client module with Ethernet connection for wireless transmission of DICOM image data, e.g. to a PACS · DICOM Offline Media (CD/DVD):DICOM Viewer for viewing patient images on a PC can be written to CD/DVD · USB 2.0: Support for e.g. data exchange with external devices · External monitor connections: Live monitor (L):Video splitter output for connecting an external live monitor · Reference monitor (R):Video splitter output for connecting an external reference monitor · VGA interface (splitter), 1 x 15 pin VGA (no galvanic separation) · Key switch: X-ray release can be disabled with a key switch to prevent unauthorised use 	
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	<ul style="list-style-type: none"> · When disabled, the system can still be used as a viewing station and for image processing Last Image hold Possibility to Import/ export worklist Possibility to retrieve images from PACS during operation in order to compare Apply markings and labels to live imaging "Removable Grid: A grid that can be removed to perform applications with lower dose" <p>Complete with all accessories and consumables needed to work completely as specified</p> <p>Factory level service training should be included for one hospital engineer</p> <p>Checklist of the required documents / info:</p> <p>A copy of the authorization letter. Original catalogue including the technical data sheet. FDA Premarket Clearance approval (510K certificate) or CE</p> <p>A commitment to provide a factory test report upon equipment delivery</p> <p>Commitment to do any HW or SW upgrade FOC during the warranty period</p> <p>Original catalogue including the technical data sheet.</p> <p>Warranty: 3 years from successful installation and operation.</p> <p>Commitment to conduct Preventive Maintenance (PM) on semiannual basis during the warranty period and according to manufacturer recommendations if needed.</p> <p>Commitment from the manufacturer for the availability of needed spare parts upon request for 10 years from equipment purchase. Installation reference sites for the model offered (if yes mention)</p> <p>Commitment to provide Service and operation manuals (in English) (CD + Hard copies).</p>	
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C. Delivery requirements and Comparative Data Table

UNOPS Requirements	
Delivery time	Bidder shall deliver the goods within 70 -90 calendar days after Contract / P.O signature.
Delivery place and Incoterms rules	Machine with all accessories shall be delivered under DAP "Delivery At Place" incoterms 2020 to the following final destination:- AVH hospital, East Jerusalem.
Consignee details	AVH hospital, East Jerusalem, Israel
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 +/- 100% , without any change in the unit prices or other terms and conditions of the ITB.
Local representative	A bidder who is not a registered company in Palestine (state of), must provide details of their local representative in Palestine (state of) for the purpose of Installation, training, warranty and after sales services. Documents to be submitted: 1. Signed agreement between the two parties (bidder & local agent), 2. Distribution agreement between the bidder & local agent, and 3. The local agent's full name, physical address, email address, telephone & mobile numbers.
Performance Guarantee	The awarded bidder has to submit a performance guarantee of 5% of P.O/contract amount.

D. Important terms

- 1) The Supplier should deliver & install the Machine to specific site on his responsibility;
- 2) All the required delivery & installation materials, accessories, preparation, labour should be handed by the supplier and on his cost;
- 3) After the Satisfactory Supply, delivery and installation of the Machine to final destination, the supplier is responsible to provide Warranty coverage comprehensive of materials, products, parts and workmanship. Warranty entails goods to be free of defects and to be repaired or replaced free of charge, including whatever cost associated to it, for a period given by the manufacturer and as stated under requirements.