

AMENDMENT NO.3 Dated 28.11.2018

Ref No: HLL/SD/RBD/2018-19/TENDER/09 DT 24.10.2018

Tender Title: TENDER FOR THE SUPPLY, INSTALLATION, TESTING & COMMISSIONING AND ONSITE SUPPORT FOR MEDICAL EQUIPMENTS TO BURUNDI

The following amendments has been incorporated to the bid document for the above tender;

I. Section IV - Technical Specification:

1. Digital X-Ray with Printer - Page no. 20-21

		Existing Tender Specification	MAY BE READ AS
b	X-Ray Generator		
	Type	Generator should be of latest technology with high frequency X-ray generator	Generator should be of latest technology with high frequency X-ray generator
	Power Output	30 KW or more	30 KW or more
	Inverter Frequency	50 KHz	30 KHz or more
	KV Range	40 KV to 125 KV with increment of 1 KV per step.	40 KV to 125 KV with increment of 1 KV per step.
	Maximum mA	400 mA or more	400 mA or more
	Exposure time range	Up to 5s	Up to 5s
	mAs Range	10 mAs to 400mAs or more	10 mAs to 400mAs or more
		It should have automatic exposure control device.	It should have automatic exposure control device.
d.	X-RAY TUBE	<ul style="list-style-type: none"> • Dual Focus Rotating Anode • Small focal spot: 1.0 mm Sq • Large focal spot: 2.0 mm Sq • Anode heat storage capacity: 140 KHU or more • Automatic multileaf collimator having bright light source and auto shut-off provision of the light. • Automatic collimator must be mounted on X-ray tube and collimator must have an integrated dose area product (DAP) meter. Output of DAP meter should be visible in console. • Display of SID and other parameters like tube angle with touch screen control. • Anode rotational speed must be 4000rpm or more. 	<ul style="list-style-type: none"> • Dual Focus Rotating Anode • Small focal spot: 0.66 mm • Large focal spot: 1.55 mm • Anode heat storage capacity: 140 KHU or more • Automatic multileaf collimator having bright light source and auto shut-off provision of the light. • Automatic collimator must be mounted on X-ray tube and collimator must have an integrated dose area product (DAP) meter. Output of DAP meter should be visible in console. • Display of SID and other parameters like tube angle with touch screen control. • Anode rotational speed must be 2500rpm or more.
	Tube Stand Eco		
	Total height of the	2170 mm or more	2000mm or more

f	stand from ground		
	Longitudinal movement of column on track	1970mm or more	1970mm or more
	Total up/down movement of the tube head	1240mm or more	1240mm or more
	Tube Rotation	± 180°	± 180°
g		MOBIT: MOBILE DIAGNOSTIC TABLE	MOBILE DIAGNOSTIC TABLE
	Length of the table top	1800mm or more	1800mm or more
	Width of the table top	600 mm or more	600 mm or more
	Height of the table top from the floor	650 mm or more	650 mm or more
	Table top material	Table top should be of Carbon Fibre or equivalent Radiolucent material.	Table top should be of Carbon Fibre or equivalent Radiolucent material.
	Front Caster Wheel With Lock For Table Locking	PROVIDED	Front Caster Wheel With Lock For Table Locking or motorized foot switch facility for height adjustment
	Capacity	Maximum weight carrying capacity for the table should be more than 150Kg.	Maximum weight carrying capacity for the table should be more than 150Kg.
h	DETECTOR		
	The detector should be of solid state flat detector of latest technology. The material of detector should be amorphous silicon with Cesium Iodide as scintillator		
	Size of the Detector	40cm (H) x 40cm (V) or more	40cm (H) x 40cm (V) or more
		The pixel size should be 200 microns or less	The pixel size should be 200 microns or less
		Active matrix should be 2k x 2k or more	Active matrix should be 2k x 2k or more
		The resolution should be minimum of 3.5lp/mm up to 5lp/mm.	The resolution should be minimum of 3.3lp/mm up to 5lp/mm.
		Image depth should be 12 bit or more.	Image depth should be 12 bit or more.
	DQE 65% or more at 0LP/mm.	DQE 65% or more at 0LP/mm.	

DRY X-Ray Printer - Page No. 22

Dry Imager (for film printing)

	Existing Tender Specification	MAY BE READ AS
d	The system must deliver its first film within 80 seconds of request.	The system must deliver its first film within 85 seconds of request.

2. Computer Radiography with Printer - Page No.23

	Existing Tender Specification	MAY BE READ AS
e	Mammography cassette 24 X 30cm: 1 nos.(Optional)	
	c. It should have a resolution of 6 pixels/mm (minimum) for standard resolution cassettes & 10 pixel/mm (minimum) for high resolution	c. It should have a resolution of 5 pixels/mm (minimum) for standard resolution cassettes & 10 pixel/mm (minimum) for high

		cassette reading.	resolution cassette reading.
d	Dry imager	d. The system must deliver its first film within 80 seconds of the request	d. The system must deliver its first film within 85 seconds of the request

II. Last date of sale, submission of bids

FOR

Last date for sale of bidding Document: 05.12.2018, 14.00 hrs

Last date and time for Receipt of bids: 05.12.2018, 14.30 hrs

MAY BE READ AS

Last date for sale of bidding Document: 13.12.2018, 14.00 hrs

Last date and time for Receipt of bids: 13.12.2018, 14.30 hrs

III. Date of Bid opening

FOR

Time and date of opening of bids: 05.12.2018, 15.00 hrs

MAY BE READ AS

Time and date of opening of bids: 13.12.2018, 15.00 hrs

All relevant clauses of the tender document are to be read in accordance with the above change and documents to be submitted are to be in compliance of the above. All other specifications, terms and conditions of the original tender document shall remain unchanged.

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