

## Clarification No. 1

**Sub:** Clarification to the referred tender enquiry

**Ref.:** Tender Enquiry: HITES/PCD/PMSSY-III/04/RAD/17-18 dated 09.05.2017

The technical specifications for the item at SI No 16 **Mammography (Analog /Conventional)** to be READ as:

<b>1</b>	<b>Generator:</b>
	a) Microprocessor controlled High Frequency generator with integrated beam filters to reduce patient skin radiation dose
	b) Minimum generator output: 3 KW or more.
<b>2</b>	<b>X ray Tube:</b>
	a) Rotating Anode X-Ray tube KV: 23 KV to 35 KV, adjustment in increment of 1 KV
	b) mAs capacity - 3 mAs to 500 mAs or more
	c) Focal Spots: Dual focal spots of 0.3 mm and 0.1 mm or better
	d) Anode Heat Storage capacity: 150 KHU or more
<b>3</b>	<b>Gantry/ X – Ray Stand:</b>
	a) Motorized height adjustable to at least 75 cm to 125 cm or more above the floor to object.
	b) Should have large swivel range: -180 deg to + 135 deg or more.
	c) Rotation should be iso-centric
	d) Automatic collimation to film format
	e) Grid:R 5:1, 30 lines/ cm or more
	f) Combination filter Mo/Mo and Mo/Rh and the lower dose according to individual breast
	g) Automatic Exposure Control with compensation
	h) Compression device: Both motorized and manual
	i) Exposure Modes: Dual mode - Automatic & manual
<b>4</b>	<b>Magnification device:</b>
	a) Metallic magnification device with a magnification factor of 1.5 or better
	System must have AERB type approval
	Regular QA according to AERB norms will be responsibility of bidder during warranty and CMC period.
	The unit should have European CE with four digit notified body number / US FDA certificate and certificate to be submitted.
	The following items have to be supplied as standard:
	1. Lead Aprons (4 Nos.) with 0.25 mm lead equivalence
	2. Suitable Radiation shield
	3. LED X ray illuminator- 3 film – 2 Nos.

	4. Rotating stool for patient – 1 Nos.
	5. Suitable online UPS with at least 30 min back up.
<b>5</b>	<b>Turnkey requirement:</b>
	Supply, Installation & Commissioning of Air conditioning of 4 TR.
	Lead lining of doors to be done.
	Worktable-2 no.s and Chairs- 4 Nos. to be provided in console room
	Any other civil/electrical/plumbing works required for successful installation and commissioning of Mammography system as per AERB norms

<b>Sl No</b>	<b>BOQ</b>	<b>QTY</b>
1	MAMMOGRAPHY SYSTEM , as specified	1 no.
2	Lead Aprons with 0.25 mm lead equivalence	4 Nos.
3	Suitable Radiation shield	1 No.
4	LED X ray illuminator- 3 film – 2 Nos.	2 Nos.
5	Rotating stool for patient – 1 Nos.	1 No.
6	Suitable online UPS with at least 30 min back up.	1 no.
7	Turnkey requirement:	LS

**All other contents of the tender enquiry including terms & conditions remain unaltered.**