

Annex-A

Sr No	Description/Specifications	A/U	Quantity
1	<u>X-ray source</u> (Seifert RP 149 or equivalent) with tube and generator and control software (warranty minimum one year) <u>Specifications:</u> X-ray tube using a Tungsten target (peak 10 keV) Maximum power supply voltage: 50 kV Maximum tube current: 60 mA Dose rate variable up to above 9 Mrad(SiO ₂)/hour Tube cooled with circulating water Beryllium window to seal the tube, thickness 0.25 mm <u>Accessories:</u> Aluminum filter of 0.15 mm	No	1
	Quantrad PIN diode, with a sensitive depth of 25 μm for calibration	No	1
	Laser pointer to align DUT with X-ray beam center	No	2
	Dosimeters for measuring dose rate	No	1
	<u>Required:</u> Installation, testing, commissioning and training are required.		2

- a) Required brands (where applicable, minimum 3 x brands).
b) Specify if installation, testing, commissioning and training is required for machinery/equipment.
c) Warranty requirement (where applicable).