

Technical Specifications of Cabinet X-Ray Irradiator

1.0 Bidder Eligibility Criteria-I

Sl. No	Bidder Eligibility Criteria-I	Complied / Not Complied	Reference Page No.	Remarks, If any
1	The bidder/OEM should have supplied at least 5 similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 10 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.			
2	The company should not have been banned/suspended/blacklisted for any reason by any Government Organization/PSU/CSIR lab in last 3 years - Bidders should provide a self-declaration for this point on the company letterhead along with Seal, sign & date.			
3	Company should be registered in India for last 3 years. Proof of company registration should be enclosed			
4	The bidder should have 1.2 Crores turnover in any one of the last 3 Financial Year			

2.0 Technical Specifications II

Purpose – To irradiate Silicon Pixel Sensor

Sl. NO	SPECIFICATIONS	Complied / Not Complied	Reference, Page. No.
1	Energy range: 160kV (max)		
2	Tube current: 25mA (max)		
3	Tube power: 4000W (max)		
4	Dose rate:		
5	(160kV (max), 20 mA (max)) up to: 60 Gy/min, (Max) (unfiltered)		
6	5.5 Gy/min (160 kV , 18.7 mA) (Filtered) (2mm Al) or 13 Gy/min (max) (0.5mm Al)		
7	Focal spot size 1.0 x 5.5mm (max)		
8	Inherent filtration 1.6 mm Be (max)		
9	Exposure time 1-99999 sec		
10	Power requirements 230VAC +/- 10%, 50 - 60Hz		
11	Dimensions external 30'' H x 21'' W x 24'' D to 80'' H x 60'' W x 35'' D		
12	Dimensions internal 14'' H x 12'' W x 12'' D to 45'' H x 25'' W x 30'' D		
Other Terms and Conditions			
1	Warranty	1 year	
2	AMC	Optional (2 years)	

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)