



Notice Inviting e-Tender

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PROCUREMENT OF 400 mA X-RAY MACHINE & COMPUTERIZED RADIOGRAPHIC (CR) SYSTEM WITH PRINTER TO BE USED FOR SCREENING OF SILICOSIS SUSPECTED PATIENTS AT SILICOSIS EFFECTED BLOCKS

(Submission of Bid through *online*)

Bid Reference No: WBMSCL /NIT-59/2022

Dated –21.02.2022

The following amendments has been made in the tender document,

SCHEDULE-I

Amendment –III

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400 mA X-Ray Machine for Radiography

X-Ray Generator:

1. High frequency X-Ray Generator **50KHz or more.**
2. Power Output : at least 30 KW X Ray Generator 400 m A
3. Radiography KV Range : 40KV – 125KV
4. mAs : upto 300 mAs
5. Electric Timer : upto 5Sec

X-Ray Tube:

1. One Dual Focus X-Ray Tube of at least 30KW capacity.
2. Output of the tube should match with the output of the generator.
3. Tube should be rotating anode type of 2700 RPM minimum.
4. Focal Spot : (a) 1 mm X 1 mm & 2 mm X 2mm or smaller focal spot

5. System should have inherent filtration (0.9 mm or more)

High Voltage Cable: 1 pair, 8 mtr long

Console:

1. Should have digital display of all parameters
2. APR mode should be available

Column Stand:

Light Weight Floor to Ceiling type or floor mounts with Counter Weight Balancing System. It should be 360 degree rotatable.

Examination Table:

1. Table top should be radiolucent with negligible X-Ray absorption, stain free, break resistant & water proof.
2. **Motorised table top.**
3. Bucky with adjustable cassette tray with a grid ratio of 8:1 and 100 lines per inch.
4. Foot Rest, Abdomen Binder, Hand grip to be provided.

Power Requirement:

For operation on 400 volts, 3 phase power lines.

Accessories:

1. Three Fold Type Radiation shield / Barrier with 1 mm lead equivalent – 1 no.
2. Lead Apron (0.35 equivalent lead) – 2 nos.
3. LED type View Box (2 in 1): 1 nos.
4. Floor Type vertical Bucky chest stand with grid ratio of 8:1 and 100 lines per inch: 1 no.
5. Lead letters, numbers and R & L : 12 sets

Standard Safety and training:

1. Should have ISO Certification of the manufacturing unit and the copy of the same should be enclosed along with the technical bid.
2. Unit should have type approval certification from AERB.
3. The entire X-Ray system should comply with 4 digit European CE / BIS standards.
4. During installation supplier should provide the QA Report with film along with room layout (Scale 1:50).
5. The selected bidder will have to facilitate the end user for obtaining the permission from AERB.

Documentation:

1. User / Technical / Maintenance manual to be supplied in English.
2. Certificate of calibration and inspection from factory.

Warranty:

2 years