

Notice Inviting e-Tender

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SUPPLY OF SNCU EQUIPMENTS IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT-22/2016

Dated – 11.05.2016

The following amendment has been made in the technical specifications,

Amendment – I

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SCHEDULE – I

Portable X-Ray Machine

[This machine would be attached to Computed Radiography (CR) at Schedule II. Both the systems should be compatible with each other]

a) Operational Requirements

- i) Compact, **lightweight (165 Kg)**, easily transportable mobile radiographic unit suitable for bedside X-Rays.
- ii) The unit must have an effective braking system for parking and transport. The tube stand must be fully counterbalanced.
- iii) The tube head should rotate in all directions.
- iv) General purpose, high frequency (should not be biphasic), digital display of KV & mAs.
- v) Exposures with remote control (wired or wireless) should be available (hand switch)
- vi) The unit must have cassette storage facility for all size of cassettes.

b) The Generator

- i) Microprocessor controlled high frequency, output of 2 KW or more.
- ii) kV range: 40kV to 100 kV.
- iii) mA range: 60 mA or more.
- iv) mAs: **200 or more**.

c) X-Ray Tube

- i) Stationary Anode type with 1.8mm x 1.8mm or less focal spot size.
- ii) Manual collimator.
- iii) The collimator should have 90W or more lamp for clear visualization of radiation field in open areas like wards / ICUs.

- iv) Collimator should have auto shut off facility to ensure longer life of the Collimator lamp.
- v) Unit should operate on single phase voltage range from 190 – 240V, 15 Amp plug without any external Transformer.

d) Standards, safety, and training

- i) Should have the ISO certification and the copy of the same should be enclosed along with the technical bid.
- ii) Training should be provided for users.
- iii) Unit should have type approval certificate from AERB.
- iv) Should comply with CE/ BIS standards.
- v) Lead jacket (medium size, 100 cm in length, 0.35 mm of lead equivalence) with hanger – 04, Thyroid shield – 04, Gonadal shield – 04

e) Documentation

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

f) Warranty & CMC

The machine and all other accessories should be under warranty for 2 years and followed by 8 years CMC.