



Notice Inviting e-Tender

West Bengal Medical Services Corporation Limited
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SUPPLY AND COMMISSIONING OF MEDICAL EQUIPMENTS (SET-I) FOR TRAUMA CARE
FACILITY FOR THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVT. OF WEST
BENGAL

(Submission of Bid through *online*)

Bid Reference No.: WBMSCL /NIT- 20/2017

Dated – 26.04.2017

The following amendments have been made in the tender document,

Amendment – II

SCHEDULE – IV

Portable X-ray Machine (100 m A)

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 **spring balanced**.
- 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 (100 KHz or more), output of 4 KW or more.
 - ii) kV range: 40kV to 100 kV.
 - iii) mA range: 100 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 wide power LED 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 European CE (from European union notified body having 4 digit identification number)/ BIS standards.
- e)** Lead jacket (medium size, 100 cm in length, 0.35 mm of lead equivalence) with hanger – 04, Thyroid shield – 04, Gonadal shield – 04, Lead goggles – 04
- f) Documentation**
User/Technical/Maintenance manual to be supplied in English. Certificate of calibration and inspection from factory.
- g) Warranty & CMC**
The machine and all other accessories should be under warranty for 2 years and followed by 5 years CMC.