

**Notice Inviting e-Tender**  
**West Bengal Medical Services Corporation Limited**  
**Swasthya Bhawan Complex**  
**GN-29, Salt Lake, Sector-V**  
**Kolkata-700091**

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**SUPPLY OF X-RAY MACHINES & COMPUTED RADIOGRAPHY ATTACHMENT IN THE HOSPITALS AND MEDICAL COLLEGES OF THE GOVERNMENT OF WEST BENGAL.**

**Bid Reference No.: WBMSCL/NIT- 35 /2014**

**Dated- 23 .05.2014**

**Date of Publication of amendment: 14.06.2014**

The following amendment has been made in the tender document,

**Amendment II (Revision of Technical Specification)**

The revised technical specifications for the item is given below,

**SCHEDULE - I**

**Mobile X-Ray Machine (60 mA)**

[This would be attached to Computed Radiography (CR) of SCHEDULE - V. Both the system mentioned here in the tender document should be compatible with each other]

**a) Operational Requirements**

- i) Compact, lightweight, 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 with rotation in all directions.
- iii) General purpose, high frequency, Mobile X - Ray machine, light in weight, digital display of KV & mAs parameters.
- iv) Exposures with remote control. (wired or wireless) should be available (handswitch)
- v) 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) It should have a digital display of mAs and kV.
- iii) kV range: 40kV to 100 kV.
- iv) mA range: 60 mA or more.
- v) maximum 100 mAs

**c) X-Ray Tube**

- i) Stationary anode/ 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) Weight-150kg or less for easy mobility and manoeuvrability.
- vi) 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 AERB /BIS/ICRP Guidelines for radiation leakage and X-Ray equipments.

**e) Documentation**

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

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**Bid Reference No.: WBMSCL/NIT- 35 /2014**

**Dated- 23 .05.2014**

**Date of Publication of amendment: 16.06.2014**

The following amendment has been made in Amendment II (Revision of Technical Specification)

**Amendment III**

**Replace the following (marked in Red) in Amendment II (Revision of Technical Specification)**

**SCHEDULE - I**

**Mobile X-Ray Machine (60 mA)**

- c) **X-Ray Tube**
- i) **Stationary anode/ Stationary Anode type with 1.8mm x 1.8mm or less focal spot size.**

**As under**

**SCHEDULE - I**

**Mobile X-Ray Machine (60 mA )**

- c) **X-Ray Tube**
- i) **Stationary Anode type with 1.8mm x 1.8mm or less focal spot size.**