

**BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL.**

SPECIFICATION No. :  
ITEM No. :  
LOCATION : **KASTURBA HOSPITAL**

**SPECIFICATION FOR DENTAL X-ray Machine (Wall Mount) QTY 1**

**1. REQUIREMENT / FUNCTION**

Used for taking Dental X-ray which helps in diagnosis.

**2. SPECIFICATION / FEATURES**

- 2.1 70Kv/7ma, time range 0.06-3.30 seconds
- 2.2 Should be manufactured with international safety standards NBR IEC 6061-1/97, IEC 60601-2-7/98 & IEC 60601-1-3/94 IEC 60601-2-32/94
- 2.3 Should have fully imported soft positioning Arms.
- 2.4 Should have Free Swivel head for lightness and flexibility in the movements
- 2.5 Tube Head and cone should be internally lead coated.
- 2.6 Should be equipped with digital control with an easy read display indicating the selected time.
- 2.7 Should have double pantographic arm
- 2.8 Should be compatible with Digital Radiography.

**3. SCOPE OF SUPPLY**

- 3.1 Eqpt. Meeting our above specification.
  - 3.2 Installation, commissioning, Training & proving of equipment by supplier.
  - 3.3 Two sets of operation & maintenance manuals with circuit diagrams.
  - 3.4 Eqpt. should be suitable to operate on BHEL Power supply of 230V $\pm$  15% 50Hz  $\pm$  3% single phase AC supply and suitable voltage stabilizer/CVT if recommended by supplier should be supplied with the Eqpt.
- 4.** The eqpt. should consist of the following : (Here all items & consumables required for satisfactory commissioning should be mention including Standard & optional accessories etc.)
- 5.** Quoted Eqpt. Should be proven Eqpt. And suppliers should furnish list of customers where Quoted Eqpt. has been supplied earlier with necessary certificate for good performance and after sales service. Equipment should have been working satisfactorily at least for two years with some earlier customer. Supplier may be asked to arrange demonstration at BHEL/with earlier customer.
- 6.** Supplier must quote all material/facility/service required for satisfactory installation and commissioning of eqpt. BHEL scope if any to be mentioned specifically. Anything not mentioned specifically but required for satisfactory commissioning/proving of eqpt. will have to be arranged by supplier.

7. Eqpt. should meet all our specification and bidders must furnish point to point replies against all the points of our above specification failing which their offer may not be considered.
8. **Qualifying Criteria-** Equipment should have been installed in reputed dental colleges (10 Govt dental colleges) Defence services & Corporate Hospitals in India Dental Chair/ quipment will be inspected by our team of doctors. Our team will visit one of the hospitals in which the equipment is installed and in working condition for at least four to five years and the decision of accepting or rejecting the equipment will be at solely at the discretion of the team. Company should be established and in the business for at least past 15 years.