

X-ray Equipment Specifications (Minimum Requirement).

Type of the Machine	Machine Specification
X-Ray system	<ol style="list-style-type: none"> 1. Digital with Digital detectors or Analog System with computed radiography system. 2. Generator with minimum 50 KW power. 3. Microprocessor controlled high frequency convertor generator, 400 mA, 70 KVP. 4. Radiographic range should be minimum 40 to 150 KV. 5. X ray tube should be dual focus with collimators. 6. Anode Heat Storage capacity 300 KHU or more. 7. DICOM facility for image transfer and storage. 8. Laser printer facility. 9. FDA or CE approved. 10. Refurbished / used systems (more than 6 years) are not permitted.
Portable X-ray System	<ol style="list-style-type: none"> 1. Minimum 30 KW high frequency generators. 2. Tube voltage minimum 100 KVA and 300 mA. 3. Remote control for exposure with cable length more than 2 meters. 4. DICOM facility for image transfer and storage laser printer facility. 5. FDA or CE approved. 6. Refurbished / used systems are not permitted.

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CT Scanner	<ol style="list-style-type: none">1. At least 16 Slice.2. Generator power 50 KW.3. Anode heat capacity should be minimum 4 MHu with high Anode speed rate to ensure high quality at low x ray dose to patient.4. Patient table load of minimum 200 Kgs.5. DICOM facility for image transfer and storage.6. Laser printer/ CD writer.7. FDA or CE approved.8. Refurbished / used systems are not permitted.
MRI machine	<ol style="list-style-type: none">1. At least 1.5 Tesla active shielded superconducting, light weight.2. Magnet bore should be wide preferably 70 cms or at least 60 cms.3. Shielded gradient system should have a gradient of 30 mT/M and slew rate of minimum 120 mT/M/msec per axis.4. Gradient should be capable of delivering largest field of view in all three axes.5. Patient table should withstand a patient load of 200 kg or more and should be height adjustable.6. DICOM facility for image transfer and storage.7. Laser printer/ CD writer.8. FDA or CE approved.9. Refurbished / used systems are not permitted.

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Mammography	<ol style="list-style-type: none">1. Digital with Digital detectors or Analog System with computed radiography system.2. Mammography Compatible laser printer.3. High resolution monitor (5MP) or higher.4. Film should be only special for mammography use not ordinary film.5. FDA or CE approved.6. Refurbished / used systems are not permitted.
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