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Technical Specifications for purchase of Fixed lasers for Teletherapy cobalt & Mould room of Radiotherapy

1.Mandatory Requirement
1.1 The quoted model should comply with all the CDRH & CE requirements.
1.2 Room laser system should carry minimum one year warranty (extended warranty will be preferable).
2. General Requirements
2.1 Room Laser system component should consist of two side wall lasers , one (ceiling) laser for Teletherapy cobalt room & only one saggital laser for mould room.
2. 2 It should have high standard of reliability, stability and outstanding quality.
2.3 It can be of either red or green in colour.
2.4 It should be bright in intensity, easily mountable and should have protective shielding for the electronics to help the lasers lasts longer .
2.5 Room lasers system should have highly polished and extra flattened plan glass window which has low and constant dispersion to assure a fine and sharped edged laser line or cross hair.
2.6 It should have stable aluminium housing which provide rigid frame for internal lasers and optics.
3. SPECIFIC TECHNICAL REQUIREMENTS
3.1 Laser type can be either diode/ diode pumped solid state .
3.2 Dimensions (H *W*D) of laser unit should be approx. 221*110*100mm.
3.2 Shape of the beam should be crosshair or line.
3.3 The line length projected by lasers should be <1mm upto a easily visible distance of 4 metre.
3.4 The Line width should be <1mm upto a distance of 4 metre.
3.5 Wavelength should be in between range of 532 nm to 650nm.
3.6 Adjusment accuracy at isocenter should +/- 0.5 mm
3.7 Output power should be less than 1 mW .
3.8 Power requirement should be 230 V AC , 5 V DC.
4. Documents
Two numbers of Complete user manuals should be supplied in English(soft & hard copy).
