

T.No. 65.12.8026

Specifications of Portable OT Light for Endoscopy Room.

Major Parameters.

Light to be on 4 castors, with break on 2 castors.

Single dome with 5 reflectors.

Should incorporate glass reflector technology.

Dome diameter: Between 600mm to 630mm.

Halogen bulbs: 5 nos. 12V 50W each.

Light output: 1,20,000 Lux at one meter.

Spring balance control to be used.

Field size: 200mm diameter.

Colour temperature: 4200 +/- 200K.

Focus handle should be autoclavable.

Unit should have 4 step intensity control [CVT].

Intensity voltage should be 230V AC +/- 10% at 50Hz +/- 2%.

Minimum height from floor to be 18000mm +/- 50 mm.

Maximum height from floor to be 2200mm +/- 50mm.

Minor Parameters.

Firm may submit its past supply performance/credentials e.g. ISO certificate etc.

Surgical standards of surgical luminaires of IEC 60601-2-41 to be met:-

i] Total irradiance should be limited to maximum value of 1000W/sq.meter.

ii] CRI minimum 85.

iii] It should meet the criteria of light field diameter of $DEC_{50} > 0.5 DEC_{10}$.

iv] The firm to supply chromaticity diagram for the dome maintaining 60601-2-41 specifications.

Firm has to confirm for entering into AMC/CAMC after expiry of 2 years warranty.

MD.WCR.