

Tender No. 65.11.8066 Due on 18/07/2012

Technical specification of Operation Theatre light (Ceiling shadow less operation Theatre double dome light) for Sub.Division Railway Hospital, New Katni Junction.

Major parameter-No deviation (Tolerance) accepted	
1. O.T.light should be CE marked & as per International standards (EN60601-2-41).	
2. O.T.light must not change the Original color of tissues & blood of operative field.	
3. The light must have automatic preventive maintenance system.	
4. Ceiling shadow less Operation Theatre double dome light -One major & one satellite light heads Of International standard size with synchronized focus adjustment. Major dome must have seven halogen Lamps & Satellite dome must have five halogen lamps. Light weight aluminum made domes preferred.	
5. Maximum illumination intensity at one meter distance	1, 10,000 Lux in main light dome & 1, 00,000 Lux in satellite light dome.
6. Illuminated diameter (view field)	Main light-25cm to 30 cm Satellite light -22cms.
7. Colour temperature	4200 K for both domes light.
8. Colour Rendering index	95 for both dome light.
9. Low heat emission at maximum intensity.	390 W/m ²
10. Illumination intensity	3.5 mw/m ²
11. The constant depth of illumination	Should be minimum 110cm for both light heads.
12. The physiologic eye "Asymmetric" light intensity adjustment.	55-110 Klx.
13. Control adjustment	Both dome- Sterilisable central handle, including light field size adjustment. One pair (two Sterilisable central handle) with each dome required.
14. Control panel	To control the intensity of light adjustment with extra fuses(4) & 06 extra Halogen lamps 50 watt each required.
15. Power supply	220 volts 50-60 HZ.
Minor parameter	Nil
Terms and condition	Install at Operation theatre Rly.hospital New Katni Junction.(MP). Any fault must be repaired within 24 hours by company
Warranty period	Twenty four months after installation.
Annual maintenance contract	Five years after warranty period.

Dr.K.K.Damade.
ACMS/Anesth/Kota
Nodal Officer.