

## Technical Specification for 450 blue Laser Generator for ENT

1. Laser Type – micro surgical Laser Class IV
2. Wavelength - 450 nm(blue laser)
3. Operation – CW and impluse and single mode
4. Maximum Power – 10W
5. System should have complete advance preset ENT protocols as follows:

Laryngology and Oropharynx	Rhinology	Otology
Papilloma	Capillary Ectasia	Stapes Crura
Granuloma	HHT/ORW /Osler	Stapes Footplate
Leukoplakia/Biofilm	Turbinates interstitial	Stapes Prosthesis
Reinke's Edema	Cutting- Super Soft	Glomus Tumor
Capillary Ectasia	Polyp Excision	Hemostasis
Polyp	Synechia/Stenosis	

6. Foot switch should have a safety lock
7. Footswitch should have IPX8 degree of protection
8. System should have integrated built in rechargeable lithium battery
9. Pulse Duration – 10us – 3s
10. Repetition Mode – 1Hz – 20Hz
11. Pilot Beam – laser beam to 650nm, Power < 5mW
12. Screen – True color touch screen 7 inches with resolution 600\*1024
13. Transmission System – Medical fibers with SMA905 connector.
14. Fibers should not have any locking mechanism
15. Approx Dimension – 160(W) X 180(L) X 235(H) mm
16. System should be light weight and not more than 2.5 kg
17. System should have a space in the backside for safely holding of fibre during surgery
18. Warranty on generator – 2 years
19. The system should be supplied with following accessories:

ENT Handpiece and Cannula – 7 nos	Bare Fiber – 1 nos	Fibre Cutter – 1 nos	Fibre Stripper – 1 nos
Carrying Case – 1 nos	Fibre Connector Cleaner – 1 nos	Safety goggles – 3 nos	Footswitch – 1 nos