

FILE No. DCEO/GeM/AVM/ Draft 2 11.10.2018														
Creator : Mr. Ajmer Singh (Moderator : Shri A.V.Muralidharan (Dy. CEO GeM) Approver :Shri A K Kamra (Ad. CEO GeM)														
Major category :Ophthalmic diagnostic exam product UNSPSC - 42100000														
Sub Category : Ophthalmic diagnostic exam products - UNSPSC Code - 42183000														
Ophthalmic ND:Yag laser : UNSPSC Code - 42183058														
S.No.	Parameters	Grouping		Value 1	Value2	Value 3	Value 4	Value 5	Value 6	Golden	Validation	Whether Filter Required	Priority	Unit
1	Purpose	S	E	It is used to treat posterior capsular opacification after cataract surgery and to create a peripheral iridotomy in patients with narrow angles or angle-closure glaucoma						G				
2	Laser beam profile should be highly precise	P	E	Yes						G				
3	Laser wavelength in nm	D	E	1064						G				
4	Type of structure mode	P	E	Super Gaussian	Fundamental					G				
5	Optical breakdown in air in mJ	D	N							G	≤ 3			mJ
6	Pulse duration time in ns	D	N							G	≤ 4			ns
7	Type of pulse	P	E	Single Pulse	Double Pules	Triple Pulse				G				
8	Max. laser energy in mJ	D	E	10	23	37				G				mJ
9	Min.energy level range in mJ	D	E	0.3 -10						G				mJ
10	No.of Step of energy level	P	E	22						G				
11	Max. pulse repetition frequency in Hz	D	E	2/3						G				Hz
12	Focus diameter in air in	D	E	10						G				micron
13	Cone angle/Angle of exit aperture in degree	D	E	16						G				degree
14	Type of aiming/focusing beam laser	P	E	Laser diode						G				
15	Wavelength range of aiming beam in nm	P	E	625 to 685						G				nm
16	Power of aiming beam in μW	D	E	5 to 150						G				μW
17	Availability of four point/spot of aiming beam	P	E	Yes						G				
18	Range of aiming beam focus offset for posterior & anterior focus shift in μm	P	E	± 150						G				μm
19	Source of power supply	P	E	Single Phase 230 V, 50 Hz						G				

40	Demonstration of equipment and training to be provided after completing supplies before Acceptance	P	E	Yes										
41	Certifications for product	C&R	E	US FDA	European CE									
42	Certification No. and date to be indicated	C&R	Text											
43	Manufacturer should have ISO certification for quality standards	C&R	E	Yes										
44	Copies of reports and certifications to be furnished to buyer on demand at time of supplies	C&R	E	Yes										

Mr.Ajmer Singh (TA)

Shri A V Muralidhran (Dy CEO)

