

DRAFT QRs & TDs OF FORE HAND LASER GRIP FOR ASSAULT RIFLE

Ser No	Parameters	Qualitative Requirements	Trial Directives
1.	Material	Hard polymer Panels with hard anodized 6061-T6 aircraft Aluminium tang and moulded on- off pad. Texture-Rugged and soft black grip.	Firm to produce National /International accredited lab certificate. Design to be checked by board of officers
2.	Attachment	Must be fore grip mounted at 6'o clock.	To be physically checked by board of officers
3.	Activation	Ambidextrous pressure switch option to select either laser beam or Tactical light or both.	To be physically checked by board of officers
4.	Activation Mode	Laser and function to be programmable,so that operators can select from three illumination modes:Independent momentary,strobe and constant-on.	To be physically checked by board of officers
5.	Mount	Should have universal picatiny rail Mount MIL Std 1913.	To be physically checked by board of officers. National/International accredited lab certificate to be provided by OEM
6.	Weight	Max weight of 275 gms \pm 10%.	To be physically checked by board of officers

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7.	Zeroing	Option for elevation and traverse adjustment for laser beam be provided for zeroing.	To be physically checked by board of officers OEM Certificate in respect of same
8.	Warranty	Minimum 2 year.	OEM Certificate in respect of same
9.	Master on/off switch	The master on/off switch must permit complete shutdown. Should have separate switches for light and laser beam	To be physically checked by board of officers
10.	Laser type	Class 3A red laser upto 5mw, and wavelength between 450 nm to 650 nm. Laser should be Eye safe.	National/International accredited lab certificate.
11.	Range of laser aiming device	Range of laser Aiming Device to be 100 m.	To be physically checked by board of officers. OEM Certificate in respect of same to be provided by firm.
12.	Laser Beam Divergence	It should not be more than 1.1 mrad (milliradians)	National/International accredited lab certificate to be produced .

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13.	Tac Light	Replaceable,150-200 lumen LED white light beam module, light spot dia 4'to 6'at 15 m.	National/International accredited lab certificate OEM Certificate in respect of same
14.	Tac Light Range	Range of Tactical Light to be not less than 50 m.	To be physically checked by BOO. OEM Certificate in respect of same
15.	Laser Dot size	Not more than 0.5" diameter at 15 m.	National/International accredited lab certificate OEM Certificate in respect of same
16.	Battery	Compatible lithium-ion rechargeable battery. Bty should be available commercially.	To be physically checked by board of officers OEM Certificate in respect of same
17.	Bty Endurance	Endurance should be min 15hrs for laser only and min 2 hrs for both laser and LED light	To be physically checked by board of officers
18.	Bty charger & Charging	Compatible charger to be provided which should be able to fully recharge the batteries in max 2 hrs. Compatible charger should also be provided	To be physically checked by board of officers OEM Certificate in respect of same
19.	Display	Should have Low Voltage Indication display.	To be physically checked by BOO.

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20.	Operating Temp	-30 degree to +55 degree Celsius.	OEM Certificate in respect of same
21.	Water Proofing	Should be of IP 67 standards.	National/International accredited lab certificate
22.	Carrying Case	Hard case with soft padding be provided.	To be physically checked by board of officers
23.	Tools	No specific tools required other than easily available options during an operation and a hex key for zeroing	To be physically checked by board of officers
24.	Device quality	Should be Ruggedized and compliance to requirements as per JSS 5855-11:2019 (Revision 1)	National/International accredited lab certificate