

## मास्टर लेजर/ MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/ Discription
1.	ए. एल. ओ. एल./A.L.O.L.	0386
2.	स्थान/Position	: Lat 22° 32.8' N Long 69° 24.6' E
3.	ऊँचाई/Elevation	12 Meter
4.	अभिलक्षण/Characteristic	Fl (W) 15Sec. (1 + 14 = 15Sec)
5.	नॉटिकल माइल में दूरी Range in miles	a) Luminous : 11NM at T=0.74 b) Geographical : 9NM
6.	दीपस्तंभ टावर/L.H.Tower	Frame work tower (M.S. Trestle tower) and M.S room approx. 8'x8'x8' ( 4580 x 5310mm) over 15'x15' sq. masonry structure (Size height 8000 x 2310mm) of 3mtrs base height. Main angles are 65x65x6mm and other supportive angles 50x50x6mm are used for framing trestle tower structure. Top of the trestle 1 X 1 Meter G.I cabin to installed light equipment and keep inside 2nos SMF 12V/100AH battery and solar charge controller. Height : 6 Meter steel trestle above 3mtrs masonry structure Colour Scheme : White - Black three strips
7.	ऑप्टिकल उपकरण Optical Equipment:- Type of Light (LED Flasher)	Make : NavAids Pvt Ltd, Delhi Model : NE-9A is a Three-Tier Lantern Colour filter if any : N/A Type of flasher : High Intensity LED

		<p>Lantern, NE-9</p> <p>Duration of flash : 1 Second</p> <p><b>A) Electrical Parameters of Light :</b></p> <p>a. Operating Voltage- 12VDC</p> <p>b. Range-11-14NM @ AT 0.74</p> <p>b. Lamp Source- High Power LED</p> <p>c. Power- 15W-18W</p> <p>d. Operation- Flashing</p> <p>e. LED Life- upto 100000Hours</p> <p>f. Horizontal Divergence- 360°</p> <p>g. Vertical Divergence- 8°</p> <p>h. Sun Switch- Provided</p> <p>i. Flasher- Programmable 256 Flash Character as per IALA Standard</p> <p>j. Color- White</p> <p><b>B) Mechanical Parameters of Lantern</b></p> <p>Body- Aluminum Alloy Cast Body LM6 Marine Grade</p> <p>Lens Type/Dome- UV Stabilized Polycarbonate</p> <p>Weight- 10Kg approx.</p> <p>Mounting- 4/3 x 200mm PCD with M 12 IP66/67/68 Standard</p> <p>b) Pedestal : M.S Iron</p> <p>100 X 100 cm G.I box over which provision has been made for installation of light. Inside the box arrangement has been made for</p>
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		<p>installation of 2 Nos SMF12V/100AH battery and charge controller.</p> <p>Illuminant : High Intensity LEDs</p> <p>14. Max. Beam Intensity (cd) : 10,000Candela</p> <p>15. Energy Source : Solar power light</p>
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<b>Energy source</b>			
	01 no. 125W, LOOM make solar panel installed on separate frame (by welding over old frame) through Luminous PWM charge controller 12V/20A . 11. Battery : SMF 12V/100AH - 2Nos Exide Power Safe connected in parallel 12. Charge controller : PWM charge controller 12V/20A, Make;- Luminous		
<b>LAND:</b>			
	North West tip of the vast Bural Reef		
<b>ADDRESS&amp; COMMUNICATION</b>		Directorate of lighthouses & lightships  C/o. Mandvi lighthouse & RCS P.O Mandvi Dist:- Kutch, Pin- 370 465	
<b>DATE OF COMMISSIONING</b>		05.02.2022 for New Light and new trestle 23.05.2014	