

मास्टर लेजर/ MASTER LEDGER

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/ Description
01.	ए.एल.ओ.एल/A.L.O.L	0386.5
02.	स्थान/Position	Lat 22° 32.7' N Long 69° 16.2' E
03.	ऊंचाई/Elevation	15 Meter
04.	अभिलक्षण/Characteristic	Fl (W) 1.1Sec. (0.5 + 0.6 = 1.1Sec)
05.	नॉटिकलमाइलमेदूरी Range in miles	
	(A) Luminous	9NM at T=0.74
	(B) Geographical	10NM
06.	दीपस्तंभ टावर/L.H.Tower	Type: White round tower Height: 12 Meter Colour Scheme: White
07.	ऑप्टिकल उपकरण Optical Equipment: Type of Light (LED Flasher)	Marine LED Lantern
	Make	NavAids Pvt Ltd, Delhi
	Model	NE-9A is a Three-Tier Lantern
	Colour filter if any	N/A
	Type of Flash	High Intensity LED Lantern, NE-9
	Duration of Flash	0.5 Second
08.	Solar Panel	02 nos. 125W Solar panels, make - LOOM Solar installed. Out of two, one solar panel along with two old solar panels-35W each, make - BHEL installed for charging main light battery. Old panels 35W directly installed to battery and new solar panel 12V/125W installed through MPPT charge controller 12V/20A, Make: Nav-Aids .
09.	Battery	SMF 12V/100AH - 2Nos Exide Power Safe connected in parallel
10.	Charge controller	MPPT charge controller 12V/20A, Make: Nav-Aids
11.	Electrical Parameter of Light	
	(A) Operating Voltage	12 V DC
	(B) Range	11-14NM @ AT 0.74
	(C) Lamp Source	High Power LED
	(D) Power	15W-18W

	(E) Operation	Flashing
	(F) LED Life	upto 100000Hours
	(G)Horizontal Divergence	360°
	(H)Vertical Divergence	8°
	(I) Sun Switch	Provided
	(J) Flasher	Programmable 256 Flash Character as per IALA Standard
	(K) Color	White
12.	Mechanical Parameters of Lantern	
	(A) Body	Aluminum Alloy Cast Body LM6 Marine Grade
	(B) Lens Type/Dome	UV Stabilized Polycarbonate
	(C)Weight	10Kg approx
	(D)Mounting	4/3 x 200mm PCD with M 12 IP66/67/68 Standard
13.	Pedestal	G.I trestle tower, height 2Meter (Angle size 50x50x6mm) with SS Nut Bolt including battery box assembly (to accumulate 2 nos 100AH SMF batteries) & spacer unit assembly for increasing the height of trestle above railing height and attached assembly of 2 nos solar panel frame (left & right side), Size: 700 X 500 X 2000mm
14.	Illuminant	High Intensity LEDs
15.	Max. Beam Intensity (cd)	10,000Candela
16.	Energy Source	Solar power light
17.	Fire Fighting Equipment	Not provided
18.	Communication	Mobile
19.	Water supply	Not provided
20.	Land Demarcation	North West tip of the vast Bural Reef
21.	Buildings	
22.	Whether attended or unattended	Unattended
23.	Mode of approach	By Sea
24.	Facility available	Nil
25.	Postal address	Directorate of lighthouses & lightships C/o. Okha lighthouse & RCS P.O Okha Dist:- Jamnagar
26.	RACON	X Band Racon installed on 25.04.2017
	(A) Make	Pharos Marine Automatic Power, Singapore
	(B) Model	PMAPI Racon -2, X-band

	(C) Type	X-Band Racon
	(D) Frequency Bandwidth	9.3 to 9.5GHZ
	(E) Code	'D'
	(F) Power supply	12V, 100AH SMF battery
	(G) Solar Panel for Racon	New solar panel 12V/125W- Loom Make installed through charge controller Luminous PWM 12V–24V/20A for charging RACON battery (12V,100AH) with regulator.
27.	Year of commissioning	1978 05.02.2022 (New Light & Trestle)