

मास्टर लेजर/MASTER LEDGER

क्रमसंख्या / Sr.No	नाम /Name	विवरण /Description			
1	ए. एल. ओ. एल/A.L.O.L.	F-0755.5			
2	स्थान/Position	Latitude 10° 33.7"N , Longitude 72° 38.9" E			
3	ऊंचाई/Elevation	40 M (Above MSL)			
4	अभिलक्षण/Characteristic	Fl (1) White 5 Sec (0.33+4.67 =5.0sec)			
5	नॉटिकल माइल में दूरी Range in miles	Luminous 21.0 Nm, Geographical 17.4 Nm			
6	दीपस्तंभ टावर/L.H.Tower	Type	Circular tower on RCC Base Commissioned on 1988		
		Height	38 M		
		Colour Scheme	White Band		
7	ऑप्टिकल उपकरण Optical equipment	Optic			
		Make	ANA, Newdelhi, India		
		Type	Revolving Beacon		
		Size	250mm / 4 th Order		
		No. of lens	2		
		Area of dioptric portion	-----		
		Area of catadioptric portion	-----		
		Divergence Main/Emergency	Horizontal : 8° Vertical : 4°		
		Duration of Flash Main /Standby/Emergency	0.33 Sec		
		Pedestal	Ball bearing type in Mercury float		
		Rotation Device	Stepper motor (20kg/cm)		
		R.P.M.	6		
		Illuminating			
		Main	230V / 150W cluster of Metal Halide Lamp (3Nos)		
		Standby	---		
		Emergency:	-----		
Date of Installation	14.02.2002 (converted from PRB- 42)				
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	74560 Candelas		
		Emergency			
9	लैंटर्न/Lantern	Diameter	3 M		
		Height of glazing	1.96 M		
		No. of panes	12 Nos		
		Ventilators	12 Nos		
10	RACON	Sr. No : 6254			
	Make	Model	Code	Band	Date of Installation
	Tideland		K	X & S	
	Equipment was removed and sent to DLL Cochin, for repair on 11.04.2021. Necessary NTM was issued by DLL Cochin				
11	NAIS (NAIS - RCC)				

	Base Station	2 Nos-AIS1 & AIS2						
	Model	Type	Power					
	R40	Class A	AC-230V & DC-24V					
	Communication Equipment							
	VSAT Antenna	Modem	Servers	Video conferencing unit	UPS	Battery bank for UPS		
	3.8m dia Parabolic reflector	Datum - 6 Nos	Dell-6 Nos	Polycom -1 set	5KVA-1No 10KVA- 1NO	Exide-Powersafe 12V, 65Ah batteries 20 Nos		
12	ऊर्जा के साधन/ <i>Source of energy</i>	Mains			440V, 3Ø AC Supply			
		Emergency Power Source			DG Set 25 KVA make Kirloskar			
		Engine 1						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		Kirloskar	1	32	3	1500	Air	
		Alternator						
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		Kirloskar	1	25 KVA	230V / 34.7A	50Hz	Three phase	
		Solar Plant : NIL						
		Capacity PV	Numbers	Type	Battery	Bank		
		NIL						
		Solar Panel for RACON						
		Capacity PV	Numbers	Type	Battery			
70 W/12V	01 No.	TBP	01 No 12V/100AH.					
13	स्वचालित वोल्टेज स्टेबलाइजर <i>Automatic Voltage Stabilizers</i>							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	SUPRA	N/A	5KVA	170-270V	230V	Single	1	
	ITL	N/A	3KVA	170-270V	230V	Single	1	
14	बैटरी <i>Batteries</i>							
	Equipment	Type	Make	Volt	Amp/Hr	Qty		
	PSS NAIS	SMF	Exide	12V	180 Ah	2		
	Genset	SMF	Exide	12V	90 Ah	1		
	Main Light	Tubular	Exide	12V	150 Ah	3		
	Stepper Motor	Tubular	Exide	12V	150 Ah	1		
RACON	VRLA Gel	HBL	12V	100Ah	1			

15	बैटरी चार्जर/ Battery chargers							
	Equipment	Make	Type	Rating	Qty			
	RACON	Conswigear		0-50V, 25A	01			
	Stepper Motor	AE		0-100V. 20A	01			
	Spare	Local made		0-15V, 25A	01			
16	इंवर्टर Inverter /UPS							
	Equipment	Make	Model	Type	Rating	Qty	input	Output
	Main Light	Su-Kam	Shyni	online	900VA	4	12 V DC & 230 AC	230V AC
	NAIS PSS	Su-Kam	Shyni	online	1.5 KVA	2	24 V DC & 230 AC	230V AC
17	स्वचलन उपकरण Automation Equipment							
	MAKE	PLC	HMI	Power Supply	VSAT	Mod em	Band	
	RDS	Micrologix	Renu Electronics PVT LTD	24 V DC	1.2m dia Parabolic reflector	Hug hes		
18	आग्नि शमन उपकरण Fire Fighting Equipment		Type of Extinguisher		Capacity	Nos	Make	
			DCP Type		3.2 kg	2	Bharat	
			Water Co2		2 Kg	2	Andex	
			Foam Type		9 Ltr	2	Safepro	
			Co2		9 Ltr	1	Bharat	
				4.5Kg	4	Flameblitz		
19	संचार Communication		BSNL land line 04896-262286 email: kavaratlighthouse@gmail.com					
20	जल पूर्ति Water Supply		01 Nos Open well , 4 Nos rain water collection tank provided.					
21	भूमि Land		Area					
			Demarcation				Masonry compound wall	
22	इमारतें Buildings		RCC Structure: 05 Nos		Office building consisting of Office, RCS, NAIS-RCC, Store, Power room, Recreation room in ground floor and two Guest rooms and one Navigational assistant quarter at first floor Two storey building for Navigational Assistant quarters. Two storey building			

			for LHA quarters. Electrical meter room Security room cum wash room
23	कंपाउंड लाइट Compound Lights	LED Light fitted on G.I Pole-3 Nos Gate Lights -4 Nos	
24	सीसीटीवी कमेरा CCTV CAMERA	Nil	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-II -2
		2	Navigational Assistant Gr-III -1 (contract Basis)
26	पहुँचने का माध्यम Mode of approach	By Ship from Kochi or by flight from Kochi to Agatti then by ship/speed vessel from Agatti to Kavaratti.	
27	उपलब्ध सुविधाएँ Facilities available	Post office, Govt Hospital, Primary school, High School, Police Station are available in Kavaratti Island.	
28	डाक पता Postal address	Navigational Assistant Gr-I, Kavaratti Lighthouse, Kavaratti island , UT of Lakshadweep 680 555	
29	मूल्य का ब्योरा Cost details (At the time of Construction)	Cost of construction: Rs.28,81,000/- Cost of equipment : Rs. 3,19,000/-	
30	प्रवर्तन में लाने का देनांक Date of commissioning	28.10.1988	