

## मास्टर लेजर/MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0758	
2	स्थान/Position	Lat. 08° 16.0' N, long 73° 01.6' E	
3	ऊंचाई/Elevation	89M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (1) W 15 sec (0.66 + 14.34)	
5	नॉटिकल माइल मे दूरी Range in miles	Luminous: 27.3 Nm Geographical: 18.95 Nm	
6	दीपस्तंभ टावर/L.H.Tower	Type	Tapering circular brick masonry Tower
		Height	48m (up to lantern top)
		Colour Scheme	Red and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	
		Make	B.B.T, Paris
		Type	
		Size	920mm (1 <sup>ST</sup> Order) Revolving
		No. of lens	3 nos. at 120° each
		Area of dioptic portion	36167 Sq. cm
		Area of catadioptricportion	-
		Divergence Main/Emergency	2° 29' 24" (Horizontal) 4° 40' 07" (Vertical)
		Duration of Flash Main /Standby/Emergency	0.66 Sec
		Pedestal	Mercury float
		Rotation Device	Stepper motor
		R.P.M.	4/3 RPM
		Illumining	
		Main	230V/150W 4nos. Metal Halide Lamps
		Standby	N/A
Emergency:	N/A		
Date of Installation	01.05.1995(Conversion of incandescent equipment to MH Lamp (cluster of 4) and commission date)		
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	3,32,15,773 cds
		Emergency	N/A
9	लैंटर्न/Lantern	Diameter	3.75 m
		Height of glazing	2.80m
		No. of panes	36
		Ventilators	11

10	<b>RACON</b>		Sr. No		6295				
	<b>Make</b>	<b>Model</b>	<b>Code</b>		<b>Band</b>	<b>Date of Installation</b>			
	TideLand	--	G		X+S	26-04-2010			
11	<b>NAIS</b>								
	<b>Base Station</b>		2 Nos-AIS1 & AIS2						
	<b>Model</b>	<b>Type</b>	<b>Power</b>		<b>MMSI</b>				
	R40	Class A	AC-230V & DC-12V		-				
	<b>Communication Equipment</b>								
	<b>VSAT Antenna</b>	<b>Band</b>	<b>Modem</b>						
	2.4m dia Parabolic reflector	X-C	HUGHES HT2300						
	<b>DGPS</b>								
	<b>Transmitter Make</b>	<b>Frequency</b>	<b>Power Output</b>	<b>RS 1 ID</b>	<b>RS -II ID</b>	<b>Beacon ID</b>	<b>Date of commissioning</b>	<b>Date of Recaptalization</b>	
Nautel	306 KHz	500 Watts	418	419	109	01-06-1998	23-03-2018		
12	<b>ऊर्जा के साधन/ Source of energy</b>		Mains			440 V, 3ø, 50 Hz, AC Supply from Lakshadweep Electricity Department			
			Power Source			DG Set 25 KVA			
			<b>Engine 1</b>						
			<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>	
			Eicher	1	46BHP	3	1500	Air	
			<b>Alternator</b>						
			<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>	
			Stamford	1	25 KVA	240V/108.7A	50Hz	Single	
			<b>Engine 2</b>						
			<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>	
			Eicher	1	46BHP	3	1500	Air	
			<b>Alternator</b>						
			<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>	
			Stamford	1	25 KVA	240V/108.7A	50Hz	Single	
			<b>Solar Panel for Main RACON: TATA BP make</b>						
			<b>Capacity PV</b>	<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>	

			01 No.	Exide Sealed	01 Nos 12V/100AH	01 No.
13	स्वचालित वोल्टेज स्टेबलाइजर <b>Automatic Voltage Stabilizers</b>					
	Make	Model	Capacity	Input	Output	Phase Qty
	Servo voltage stabilizer	Servo max	15KVA	170-270V	230V	Single 3
14	बैटरी/ <b>Batteries</b>					
	Sr. No	Usage	Nos.	Type	Make	Volts Capacity
	1.	Main Lamp-1	1 No.	Lead acid	Amaron	12V 150AH
	2.	Main Lamp-2	1 No.	Lead acid	Amaron	12V 150AH
	3.	Main Lamp-3	1 No.	Lead acid	Amaron	12V 150AH
	4.	Main Lamp-4	1 No.	Lead acid	Amaron	12V 150AH
	5.	Stepper Motor	1 No.	Lead acid	Amaron	12V 150AH
	6.	NAIS-1	2 Nos.	Lead acid	Amaron	12V 150AH
	7.	RACON	1 No.	Sealed	Exide	12V 100AH
	8.	DGPS Transmitter	16 Nos.	Sealed	Exide	12V 42AH
9.	DGPS Rack	6 Nos.	Sealed	Exide	12V 42AH	
15	बैटरी चार्जर/ Battery charger					
	Sr. No	Make	Volts	Capacity( Amps)	Qty.	
	1	Ruston & Honby (I) Ltd	0-25 V	55.2	1 No.	
	2	Delta Electric Corporation	0-30V	15	1 No.	
	3	Premjee Electronic	0-15V	10	1 No.	
	4	RENSAN	0-12V	5	1 No.	
5	Automatic Electric Ltd.	0-24V	25	1 No.		
16	इंवर्टर Inverter /UPS					
	Sr. No	Make	Input Volts	Output Volts	Capacity	Used for
	1.	Su-Kam	170-230VAC	230V	1 KVA	Main Lamp -1
	2.	Su-Kam	170-230VAC	230V	1 KVA	Main Lamp -2
	3.	Su-Kam	170-230VAC	230V	1 KVA	Main Lamp -3
	4.	Su-Kam	170-230VAC	230V	1 KVA	Main Lamp -4
	5.	Su-Kam	170-230VAC	230V	1.5 KVA	NAIS
	6.	APC	170-230VAC	230V	3KVA	DGPS Rack.
	7.	APC	170-230VAC	230V	10KVA	DGPS Transmitter
	8.	BPE	170-230VAC	230V	1KVA	Office.
9.	WEP	170-230VAC	230V	0.6KVA	RCS	
17	स्वचलन उपकरण <b>Automation Equipment</b>					
	MAKE	PLC	HMI	Power Supply	VSAT	Mode m Band
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18	आग्नि शमन उपकरण Fire Fighting Equipment	Type of Extinguisher	Capacity	Nos	Make
		DCP Type	4 kg	4	Flameblitz z
			2 kg	7	
		Co2	---	--	
Foam Type	9 Ltr	2			
19	संचार <b>Communication</b>	04892 – 222264(Office Broadband). Email ID- <a href="mailto:minicoydgps@gmail.com">minicoydgps@gmail.com</a>			
20	जलपूर्ति <b>Water Supply</b>	1)A sump for collecting rain water of 2,25,000L capacity and a monoblock pump 1HP,230 V,1Ø motor for pumping water to overhead tank (3200L capacity) with two water tap outlets in each Quarters 2) Rain water collection tank -18Nos each of capacity 500L			
21	भूमि <b>Land</b>	Area	2.5885 Hectare		
		Demarcation	Masonry Compound Wall		
22	इमारतें <b>Buildings</b>	Power House, Inspection Quarter, A.E Qtr, SRT Qtr, NA-II Qtr (2 Nos.), NA-III Qtr (2 Nos.), LHA Qtr, LHS Qtr, Coil Hut.			
23	कंपाउंड लाइट <b>Compound Lights</b>	10 Nos. street light fittings and 2 gate light			
24	सीसीटीवी कमेरा CCTV CAMERA	Camera	---		
		DVR	---		
25	स्टाफ <b>Staff</b>	Sl. No	Designations		
		1	Navigational Assistant, Grade - II		
		2	Navigational Assistant, Grade - III		
		3	Light House Attendant		
26	पहुँचने का माध्यम <b>Mode of approach</b>	Passenger ship from Cochin			
27	उपलब्ध सुविधाएँ <b>Facilities available</b>	Govt. Hospital, Police station, Post office, Govt. Higher Secondary School, JawaharNavodayaVidyalaya, etc within 6km from Light house.			
28	डाक पता <b>Postal address</b>	The Assistant Engineer (EI), Minicoy DGPS & Lighthouse, Minicoy island, UT of Lakshadweep – 682559.			
29	मूल्यका ब्योरा <b>Cost details</b> (At the time of Construction)	N/A			
30	प्रवर्तन मे लाने का देनांक <b>Date of commissioning</b>	02-02-1885			