

## मास्टर लेजर/MASTER LEDGER

क्रम सं ख्या / Sr. No	नाम /Name	विवरण /Description	
1	ए. एल. ओ. एल/A.L.O.L.	F 0682	
2	स्थान/Position	Lat.11° 28.0' N , long 75° 38.3' E	
3	ऊंचाई/Elevation	57Mtr. (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (1) W 5 sec (fl 0.27)	
5	नॉटिकल माइल मे दूरी Range in miles	20NM	
6	दीपस्तंभ टावर/L.H.Tower	Type	Circular stone masonry tower on RCC Base
		Height	34M
		Colour Scheme	Black and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	Second order
		Make	M/s Chance Bros, UK
		Type	Revolving Type
		Size	700mm
		No. of lens	4
		Area of dioptric portion	-----Sq. cm
		Area of catadioptric portion	-----Sq. cm
		Divergence Main/Emergency	4.30° (Horizontal) 4.41° (Vertical)
		Duration of Flash Main /Standby/Emergency	0.27 Sec
		Pedestal	Mercury float
		Rotation Device	Stepper motor
		R.P.M.	3
		Illuminating	
		Main	230V/150W Metal Halide Lamp
		Standby	-----
		Emergency:	-----
		Date of Installation	14-02-2003
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	340000 cds
		Emergency	-----
9	लैंटर्न/Lantern	Diameter	3.86m
		Height of glazing	2.7m
		No. of panes	11Nos.
		Ventilators	11
10	RACON	NIL	-----

	Make	Model	Code	Band	Date of Installation			
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11	<b>NAIS</b>							
	Base Station		2 Nos-AIS1 & AIS2					
	Model	Type	Power	MMSI				
	R40	Class A	AC-230V & DC-12V	---				
	Communication Equipment	---						
	VSAT Antenna	Band	Modem					
	N/A	---	---					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
	N/A	---	---	---	---	---	---	---
12	<b>ऊर्जा के साधन/ Source of energy</b>							
	Mains			Kerala State Electricity Board				
	Power Source			DG Set 7.5 KVA Kirloskar				
	Engine 1							
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	Kirloskar / EA16	1	16 BHP	2	1500	Air		
	Alternator							
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
	Kirloskar	1	7.5 KVA	240V/31.25A	50Hz	Single		
	Solar Plant							
	Capacity PV	Numbers	Type	Battery	Bank			
	20 KWp	78 Nos	Mono Crystalline	NIL	NIL			
	Solar Panel for Main Light							
	Capacity PV	Numbers	Type	Battery	Bank			
	100 W/12V	4Nos.	---	4Nos 12V/150AH	Individual			
13	<b>स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers</b>							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	SUPRA	----	---	220V	230V	Single	01No.	
14	<b>बैटरी Batteries</b>							
	Equipment	Type	Make	Volt	Amp.Hr	Qty		
	PSS NAIS	-	-	-	-	-		
	Genset	Lead acid	SF Sonic	12V	150AH	1		
	Automation	SMF	Exide	12V	47AH	2		
15	<b>बैटरी चार्जर/ Battery charger</b>							
	Equipment	Make	Model	Type	Rating	Qty		
	General Purpose	---	---		24V 25A	01No.		

	Automation	N/A	--	--	--	NIL			
16	<b>इंवर्टर Inverter /UPS</b>								
	<b>Equipment</b>	<b>Nos</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>	<b>input</b>	<b>Output</b>
	Main Light	04	Su-kam	Shiny 900	---	900W	04	12V DC & 230 AC	230VA C
	NAIS PSS	01	APC	----	Pure sine wave	1 KVA	01	12V DC & 230 AC	230VA C
	DGPS	N/A	---	----	---	---	---	---	---
		N/A	---	----	---	---	---	---	
17	<b>स्वचलन उपकरण Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Rectronics Devises and Systems	Schneider & Telemecanique	Schneider	24 V DC	1.8m dia Parabolic reflector	SkyEdge	X.and C		
18	आग्नि शमन उपकरण Fire Fighting Equipment		Type of Extinguisher		Capacity	Nos	Make		
			DCP Type		1, 2, 4 kg	9			
			Water Co2		4.5Kg	1			
			Foam Type		9 Ltr	2			
19	संचार <b>Communication</b>		Land phone						
20	जल पूर्ति <b>Water Supply</b>		Water pumped to 1No. O/H RCC Tank from Station Well situated outside of compound and distributed to all staff Qtrs.						
21	भूमि <b>Land</b>		Area			26.32Acre			
			Demarcation			Not Available			
22	इमारतें <b>Buildings</b>		RCC Structure:			Powerhouse, Office Room, NA-1 , NA-II, Group-D, and Insspection Qtrs.			
			Timber Construction above plinth level			N/A			
23	कंपाउंड लाइट <b>Compound Lights</b>		LED Light fitted on G.I Pole-19 Nos						
24	सीसीटीवी कमेरा CCTV CAMERA		N/A			---			
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25	स्टाफ <b>Staff</b>		Sl. No		Designations				
			1		Navigational Assistant 1and II				
			2		LHA				
26	पहुँचने का माध्यम <b>Mode of approach</b>		To Koilandy or Vadakara by Train or Bus, and to Nandi Bazar by bus and 1.5Km to Kadalur point Lighthouse.						
27	उपलब्ध सुविधाएँ <b>Facilities available</b>		Post office, Dispensary, High School, Police Station, Market are available						
28	डाक पता <b>Postal address</b>		The Navigational Assistant G-I Kadalur Point Lighthouse, P.O. Nandi, Pin: 673529.						
29	मूल्य का ब्योरा <b>Cost details</b> (At the time of Construction)		N/A						

30	प्रवर्तन मे लाने कादेनांक <b><i>Date of commissioning</i></b>	20.10.1909
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