

## मास्टर लेजर/MASER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए. एल. ओ. एल/A.L.O.L.	0694.5	
2	स्थान/Position	Lat.10 <sup>0</sup> 11.9' N, long 76° 09.5' E	
3	ऊंचाई/Elevation	34M (Above MSL)	
4	अभिलक्षण/Characteristic	F1 (3) W 20 sec	
5	नॉटिकल माइल मे दूरी Range in miles	19Nm (Luminous range)	
6	दीपस्तंभ टावर/L.H.Tower	Type	Square RCC Tower
		Height	30M
		Colour Scheme	Black and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	
		Make	M/S J Stone & Co. Calcutta, India
		Type	Revolving Beacon
		Size	300mm
		No. of lens	3
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence	7° 38' 24" (Horizontal) 11° 27' 14" (Vertical)
		Duration of Flash Main /Standby/Emergency	0.32 Sec
		Pedestal	Ball Bearing type
		Rotation Device	Dual Stepper motor (20Kgcm)
		R.P.M.	3 RPM
		Illuminant	
		Main	Cluster of 03Nos 230V/150W Double ended Metal Halide Lamps
		Standby	NA
Emergency:	NA		
Date of conversion to MH lamp cluster	16.05.1997		
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	74000 candela
		Emergency	
9	लैंटर्न/Lantern	Diameter	2.4m
		Height of glazing	1.3m
		No. of panes	12 Nos
		Ventilators	08 Nos

10	RACON- Nil							
	Make	Model	Code		Band		Date of Installation	
11	NAIS – Nil							
	Base Station							
	Model	Type	Power		MMSI			
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
Nautel	320KHz	500 Watts	414	415	107	01.06.1998	03.04.2018	
12	ऊर्जा के साधन/ Source of energy		<b>Mains</b>			KSEB		
			<b>Stand by Power Source</b>			02 Nos, DG Sets 25 KVA		
	<b>Engine 1</b>							
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	Kirloskar/ HA394	1	32HP	3	1500	Air		
	Alternator							
	Make	Qty	Rating	Volt/Amp	Frequency	Phase		
	Kirloskar	1	25 KVA	230V/108.7A	50Hz	Single		
	<b>Engine 2</b>							
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	Kirloskar/ HA394	1	32HP	3	1500	Air		
	Alternator							
	Make	Qty	Rating	Volt/Amp	Frequency	Phase		
	Kirloskar	1	25KVA	230V/108.7A	50Hz	Single		
	<b>Solar Plant</b>							
	Capacity	Number of panels	Type	Rating/Volts	Inverter			
	20KW On grid	80 Nos, Topsun Make	Mono Crystalline	250W/36 V	.20KVA, Growatt make			
<b>Power back up – Green Energy</b>								
Panel rating/ Voltage	Number of panels	Type	Battery					
100W/18V	03 Nos, Luminous power Technologies	Poly Crystalline	03 Nos 12V/150AH					
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	

	Servomax	N/A	15KVA	170-270V	230 <sup>+</sup> - 1%	Single	03Nos		
14	<b>बैटरी Batteries</b>								
	<b>Equipment</b>	<b>Type</b>	<b>Make</b>	<b>Volt</b>	<b>Amp/Hr</b>	<b>Qty</b>			
	<b>PSS NAIS</b>	-	-	-	-	-			
	<b>Genset</b>	Lead acid	KOEL Green	12V	75AH	02Nos			
	<b>Automation</b>								
	<b>Main Light</b>	Tubular Inv. Lead Acid	Amaron Quanta	12V	150AH	04Nos			
	<b>DGPS</b>	SMF	Power safe Plus	12V	42AH	22 Nos			
15	<b>बैटरी चार्जर/ Battery charger</b>								
	<b>Equipment</b>	<b>Make</b>	<b>Volt</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>			
	<b>General Purpose</b>	Gargya Brothers	0-18V		8 Amp	01 No			
	<b>Automation</b>								
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>
	<b>Main Light</b>	03	Su-Kam	---	Online	900VA	03	12V DC & 230V AC	230VAC
	<b>NAIS PSS</b>								
	<b>DGPS</b>	01	APC	----	On line	10 KVA	1	72VDC & 230 AC	230VAC
		01	APC	----	On line	13KVA	1	192VDC & 230 AC	230VAC
17	<b>स्वचलन उपकरण Automation Equipment</b>								
	<b>MAKE</b>	<b>PLC</b>	<b>HMI</b>	<b>Power Supply</b>	<b>VSAT</b>	<b>Mode m</b>	<b>Band</b>		
	RDS	Allen Bradley	Renu Electronics Pvt Ltd	24 V DC	1.2m dia Parabolic Reflector	Hughes			
18	<b>आग्नि शमन उपकरण Fire Fighting Equipment</b>			<b>Type of Extinguisher</b>	<b>Capacity</b>	<b>Nos</b>	<b>Make</b>		
				<b>DCP Type</b>	4 kg& 2Kg	1 & 2			
				<b>Co2</b>	6.5Kg	02 Nos			
				<b>Fire Buckets</b>		04Nos			
				<b>Foam Type</b>	Nil				
19	<b>संचार Communication</b>			BSNL Land line: 0480-2819612 Walky talky :03 Nos Fax Machine : HP Desk jet Ink Advantage 2645.Print Fax Scan					
20	<b>जलपूर्ति Water Supply</b>			Kerala Water Authority ( KWA) water collected to aump of capacity 5000Litrs from there it is being pumped to over head PVC tanks of capacity 1000Litrs.					
21	<b>भूमि Land</b>			<b>Area</b>			0.7689hectre		

		Demarcation	Masonry compound wall
22	इमारतें <b>Buildings</b>	RCC Structure: 08 Nos	Power House cum Store cum ,DGPS Transmitter room cum, Recreation room cum office room(1) . Coil Hut (1), Twin units of LHA Qtrs (1), SRT Qtrs (1). Inspection Qtr (1) Assistant Engineer Qtr(1), Nav Asst II Qtrs to accomadate 4 staff (1) Temp. PH (1), Security cum Toilet block (1)
23	कंपाउंडलाइट <b>Compound Lights</b>	LED Light fitted on G.I Pole- 18 Nos	
24	सीसीटीवी कमेरा/ CCTV CAMERA	Camera	Nil
		DVR	Nil
25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Radio Technician - 1
		2	Navigational Assistant - 1
		3	LHA -1
26	पहुँचने का माध्यम <b>Mode of approach</b>	By rail up to Iringalakkuda and from there by road 28 Km to light house	
27	उपलब्ध सुविधाएँ <b>Facilities available</b>	Police staion 08Kms, Govt Dispensary 05 Kms(Athanikkal) Post Office 02Km Azhikode Primary School, High School 05Km (Eriyad).	
28	डाक पता <b>Postal address</b>	Assistant Engineer (EL) Azhikode Lighthouse, Azhikode Post Kodungallure Via, Thrissure Dt, Kerala-680666. Pin: 680666.	
29	मूल्यका ब्योरा <b>Cost details</b> (At the time of Construction)	Cost of construction: Rs. 11,09,000/- Cost of Equipment: Rs. 2,50,000/-	
30	प्रवर्तनमेला ने का देनांक <b>Date of commissioning</b>	30.04.1982	