

मास्टर लेजर/MASER LEDGER

मसं ख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए. एल. ओ. एल/ A.L.O.L.	0692	
2	स्थान/ Position	Lat.10° 46.5' N , long 75° 55.3' E	
3	ऊंचाई/ Elevation	34.13 M (Above MSL)	
4	अभिलक्षण/ Character	Single Flash White - 15 sec (0.48+14.52=15 sec)	
5	नॉटिकल माइल मेदूरी Range in miles	Luminous : 20.6 NM Geographical : 16.82 NM	
6	दीपस्तंभ टावर/ L.H.Tower	Type	24 Cornered Circular RCC Tower
		Height	30M
		Colour Scheme	Black and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	Revolving
		Make	J Stone & Co, Kolkata, India
		Type	Beacon
		Size	300mm / Vth order Large revolving
		No. of lens	2
		Area of dioptric portion	----
		Area of catadioptric portion	----
		Total corrected area	2737 cm ²
		Divergence	3.8° (Horizontal)
		Main/Emergency	7.6° (Vertical)
		Duration of Flash	0.48 Sec
		Main /Standby/Emergency	
		Pedestal	Ball Bearing Type
		Rotation Device	Dual Stepper motor (20 kg/cm ²)
R.P.M.	2		
Illuminant	Metal Halide Lamp		
Main	230V/50W Metal Halide Lamp		

		Standby	NA				
		Emergency:	NA				
		Date of Installation	17-04-1983				
8	प्रभावी बीम तीव्रता/ Effective beam intensity	Main	141100 cds				
		Emergency	NA				
9	लैंटर्न/ Lantern	Diameter	2.4 m				
		Height of glazing	1.380m				
		No. of panes	12 Nos				
		Ventilators	11 Nos				
10	RACON		Sr. No	6295			
	Make	Model	Code	Band	Date of Installation		
	NA						
11	NAIS						
	Base Station		2 Nos-AIS1 & AIS2				
	Model	Type	Power	MMSI			
	SAAB, R40	Class A	AC-230V & DC-12V				
	Communication Equipment						
	VSAT Antenna	Band	Modem				
	NA	NA	BSNL ,Tellabs				
	DGPS	NA					
12	ऊर्जा के साधन/ Source of energy	Mains		Local Mains 440V, 3φ, 50Hz, AC Supply			
		Power Source		DG Set 7.5 KVA make Kirloskar			
		Engine 1					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Kirloskar / EA-16	1	16BHP	2	1500	Air
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
		Kirloskar / KG 164 H	1	7.5 KVA	240V/31.25 A	50Hz	Single

13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	SUPRA	N/A	5KVA	120 - 270 V	230 V	Single φ	1		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/ Hr	Qty			
	PSS NAIS	SMF	Exide	12V	150 AH	2			
	Genset	SMF	SF SONIC	12V	100 AH	1			
	Main Light	SMF	Exide	12V	150 AH	4			
15	बैटरी चार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	Little Savage	----	Dimmer Stat	15 Amps	01			
		Locally Fabricated	---	Dimmer Stat	30 Amps	01			
16	इंवर्टर/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
	Main Light	---	---	---	---	---	---	---	---
	NAIS PSS	01	APC	1000 VA	Pure sine wave	1 KVA	1	230V AC	230VAC
17	स्वचलन उपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen Bradley	Renu Electronic Pvt Ltd	230 V with UPS	1.2m dia Parabolic reflector	Hughes	EX.C		
18				Type of Extinguisher	Capacity	Nos	Make		

	आग्नि शमन उपकरण Fire Fighting Equipment	DCP Type	9 kg	1	
			3,2 kg	2	
			4 kg	3	
			2 kg	5	
		1kg	1		
		Co2	9 kg	1	
			2 kg	2	
			4.5 kg	4	
		Foam Type	9 Ltr	1	
19	संचार Communication	BSNL Landline with broadband connectivity. 0494-2666028			
20	जल पूर्ति Water Supply	(i) Kerala Water Authority (ii) Open Well provided in the lighthouse compound for watering of plants (iii) Water Supplied from Kerala Water Authority is collected at sump of capacity 6000 litres and pumped to over head tank of capacity 2000 litres using 1HP , 230 V, 1 phase motor			
21	भूमि Land	Area	0.2824 hectare		
		Demarcation	Masonry Compound Wall and RCC slab wall at western side		
22	इमारतें Buildings	RCC Structure: 07 Nos	Office building (Office room, Store room , Recreation room and Power house) NA - I Qtr , NA- II Qtr (2Nos), LHA Qtr (Twin) , Inspection Qtr and Lighthouse Tower		
23	कंपाउंड लाइट Compound Lights	(i) 7 Nos GI Poles with 24 Watt LED Fittings. (ii) 2 Nos LED Lamps fittings at gate			
24	सीसीटीवीकमेरा CCTV CAMERA	NA			
25	स्टाफ	Sl. No	Designations		
		1	Navigational Assistant Gr - I : 1 No		

	Staff	2	Navigational Assistant Gr - II : 1 No
		3	Lighthouse Attendant : 1 No
26	पहुँचने का माध्यम Mode of approach	By Rail upto Kuttipuram and By Road 20.5 km by Bus	
27	उपलब्ध सुविधाएँ Facilities available	Police Station (2.5 Km) , School and College (2 Km) , Post office (0.5 Km) and Hospital (2 Km) from Lighthouse	
28	डाक पता Postal address	Navigational Assistant Gr-I Ponnani Lighthouse Ponnani Nagaram (PO) Malappuram Dist , Kerala – 679583	
29	मूल्य का ब्योरा Cost details (At the time of Construction)	N/A	
30	प्रवर्तन में लाने का देनांक Date of commissioning	17.04.1983	