

मास्टर लेजर/ MASTER LEDGER

क्रम संख्या / Sr.No	नाम /Name	विवरण/Description		
1	ए. एल. ओ. एल/A.L.O.L.	0669.5		
2	स्थान/Position	Lat.12° 0.40' N , long 75° 12.2' E		
3	ऊंचाई/Elevation	62M (Above MSL)		
4	अभिलक्षण/Characteristic	Fl (2) W 20 sec (fl 0.53) (0.53+1.97+0.53+16.97=20Seconds)		
5	नॉटिकल माइल मे दूरी Range in miles	(i) Luminous	:	19.6 NM
		(ii) Geographical	:	20.5NM
6	दीपस्तंभ टावर/L.H.Tower	Type	Hexagonal Masonry Tower	
		Height	18 M	
		Colour Scheme	Red and White Band	
7	ऑप्टिकल उपकरण Optical equipment	Optic		
		Make	J.Stone & Co, Kolkata	
		Type	Revolving Beacon	
		Size	300 mm (IVth Order large) Revolving	
		No. of lens Panels	2	
		Area of dioptric portion	405 cm ²	
		Area of catadioptric portion	1520 cm ²	
		Divergence Main/Emergency	07° 38' 24''(Horizontal) 11° 27' 14''(Vertical)	
		Duration of Flash Main /Standby/Emergency	0.6 Sec	
		Pedestal	Ball bearing type	
		Rotation Device	Stepper motor	
		R.P.M.	3 RPM (one revolution in 45 Sec)	
		Illumining		
		Main	Cluster of 3 Nos of MH lamp 150W/230V	
		Standby	-	
Emergency:	-			
Date of Installation	21.12.2003			
8	प्रभावी बीम तीव्रता/ Effective beam intensity	Main	93000 Candela	
		Emergency		
9	लैंटर्न/Lantern	Diameter	2.40 m	
		Height of glazing	1300 m	
		No. of panes	12	
		Ventilators	11	
10	RACON	Sr. No	20180765 SJP	
	Make	Model	Code	Band
				Date of Installation

	Pharas Marine Automatic power	PMAPI RACON-2	K	X	25-12-2018		
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				
	2.4m dia Parabolic Reflector	EX-C	HUGUES system				
12	ऊर्जा के साधन/ Source of energy						
	Mains		Local Mains 440 V, 3 Ø, 50 Hz, AC				
	Power Source		DG Set 7.5 KVA make Kirlosker				
	Engine 1						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
	Kirloskar Green/EA16 Serial No.D8.1612.92/1200273	1	16 BHP	3	1500	Air	
	Alternator						
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
	Kirloskar Serial No.BS1H012A19324-H	1	7.5 KVA	230V	50Hz	Single	
	Engine 2						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		N/A	N/A	N/A	N/A	N/A	
	Alternator						
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		N/A	N/A	N/A	N/A	N/A	
	Engine 3						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		N/A	N/A	N/A	N/A	N/A	
	Alternator						
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		N/A	N/A	N/A	N/A	N/A	
	Solar Plant						
	Capacity PV	Numbers	Type	Battery	Bank		
	5 KWp	250W x 20 Nos	Mono Crystalline	N/A	N/A.		
	Solar Plant for Main RACON						
	Capacity PV	Numbers	Type	Battery	Bank		
	70 W/12V	01 No.	Mono Crystalline	01 Nos 12V/100AH	N/A.		
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers						
	Make	Model	Capacity	Input	Output	Phase	Qty
	HYKON	SAN115	15KVA	160-260V	230-235V	SINGLE	3
14	बैटरी Batteries						
	Equipment	Type	Make	Volt	Amp/Hr	Qty	
	PSS NAIS	SMF	Exide	12V	150 AH	2	
	Genset	Lead acid	Exide	12V	100 AH	1	
	MAIN LIGHT	SMF	Exide	12V	150AH	4	
	RACON	SMF	HBL	12V	100 AH	1	

15	बैटरी चार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose								
		SHARP	Blue line	----	12/24/48V /20 Amps	01			
16	इंवर्टर Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
	Main Light	04	Su-Kam	SHINY900	Pure sine wave	900VA	04	12V/DC	230VAC
	NAIS PSS	01	Su-Kam	Falcon-eco	Pure sine wave	1000VA	01	12V DC & 230 AC	230VAC
		01	Microtech	1000EB	Pure sine wave	1000VA	01	12V DC & 230 AC	230VAC
17	स्वचलन उपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Renu Electronic s Pvt. Ltd	Allen Bradley Micro Logix 1400	HMI Display-FP5070T	I/P-230AC O/P-24VDC/5A	1.2m dia Parabolic reflector	Hughes	EX.C		
18	आग्निशमन उपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	4 kg+2kg	4+2	Andex/Kanex		
				Co2	4.5kg	5	FLAMEBLITZZ		
				Foam Type	9 Ltr	3	FLAMEBLITZZ		
19	संचार Communication			BSNL LAND LINE 04985230232					
20	जलपूर्ति Water Supply			Open well at the foot of the Hill with an electric pump 12.5 HP, 440 V pumped to an overhead tank of RCC 6500 liters. Running water available in all quarters					
21	भूमि Land			Area			2.519 Hectre		
				Demarcation			Masonry Compound Wall(front side) and Partially consisting of RCC panels fixed in grooves of RCC posts		
22	इमारतें Buildings			RCC Structure: 05 Nos			1.Power House-cum Office,Stores& Recreation Room ,2.HLK Qtrs One Unit 3.ALK Qtrs of Twin units, 4.Gr.D Qtrs of Twin units 5.Inspection Qtr.,		
	कंपाउंडदीवार Compound Wall			Brick masonry & RCC panels					
23	कंपाउंड लाइट Compound Lights			LED Light fitted on G.I Pole-20W LED-21 Nos					
24	सीसीटीवी कमेरा CCTV CAMERA			N/A			N/A		
				N/A			N/A		

25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr.I & Navigational Assistant Gr.II
		2	HOUSE KEEPING (By Out sourcing)
26	पहुँचने का माध्यम Mode of approach	By Rail up to Payyanur & by road 15 Km by bus	
27	उपलब्ध सुविधाएँ Facilities available	Police Station-18 Km, High School- 12 Km, Post office & Dispensary 10 Km from L.H.	
28	डाक पता Postal address	Head Light Keeper(SS)/Navigational Assistant Gr.I, Mount Dilly Lighthouse, Naval Academy (PO) Kannur-Dist, Pin 670310	
29	मूल्य का ब्योरा Cost details (At the time of Construction)	N/A	
30	प्रवर्तनमे लाने का देनांक Date of commissioning	23.06.1979	