

मास्टर लेजर/MASTER LEDGER

क्रम सं ख्या/ Sr.N o	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0634	
2	स्थान/Position	Lat. 14 ⁰ 49.2' N Long. 74 ⁰ 03.7' E	
3	ऊंचाई/Elevation	62 m	
4	अभिलक्षण/Characteristic	fl. W 10 Sec. (fl 0.25, ec 9.75)	
5	नॉटिकलमाइलमेदूरी Range in miles	i)Luminous : 24.8 NM ii)Geographical : 20 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Circular Masonry Tower
		Height	20 m
		Colour Scheme	Red & White Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	Fresnel Lens
		Make	B.B.T.
		Type	Revolving
		Size	700 mm (2 nd order)
		No. of lens	2 (each 144 ⁰)
		Area of dioptric portion	5124 sq. cm.(corrected area 38880 sq.cm)
		Area of catadioptric portion	34,384 sq. cm.
		Divergence Main/Emergency	Horizontal – 4.48 ⁰ , Vertical – 3.26 ⁰
		Duration of Flash Main /Standby/Emergency	0.25 Sec.
		Pedestal	Mercury Float (222.26 Kg in use)
		Rotation Device	Dual Stepper Motor 40 Kgcm 12 V DC Operated.Weight Driven clock machine with hand winding is kept as Standby
		R.P.M.	3

		illuminating	3 x 70W Metal Halide Lamp cluster		
		Main			
		Standby	----		
		Emergency:	-----		
		Date of Installation			
8	प्रभावीबीमतीव्रता/Effective beam intensity		Main & Standby	703836 cd	
			Emergency		
9	लैंटर्न/Lantern		Diameter	3.65 m	
			Height of glazing	3.05 m	
			No. of panes	48 (3 different shapes)	
			Ventilators	8	
10	RACON		Sr. No	6295	
	Ma ke	Model	Code	Band	Date of Installation
	Tid ela nd Sr. No. 63 00	Seabeacon2 System 6 Racon	Code'D'	(X+S) Band	05.12.2005
11	NAIS				
	Base Station				
	Model	Type	Power	MMSI	
	R-40	QWZR4-AIS P/N:7000 100-971 S/N 5247	Exide home UPS; I/P24vdc;O/P 230VAC	4192235	
	Comm unicati on Equip ment				
	VSAT Antenn a	Band	Modem		
	2.4m dia Parabo lic reflect or	EX-C	Datum system M7LT Satellite Terminal		

12	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
	ऊर्जा के साधन/Source of energy	Mains						
		Standby						
		Engine 1						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		Kirloskar	1	4 STROKE, OVERHEAD VALVE 418 CC 1.65 LTR ENGINE 12.5 L FUEL TANK	SINGLE CYLINDER	3000	FORCED AIR	
		Alternator						
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		KIRLOSKAR	1	5 KVA @ 0.8PF (4KW) 230V 50 HZ	230 V	50 HZ	SINGLE PHASE	
		Engine 2						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		KIRLOSKAR	1	DAF8 8 BHP 4 STROKE	SINGLE CYLINDER	1500	FORCED AIR	
		Alternator						
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		KIRLOSKAR	1	230 V 50HZ 5KVA 20A	230 V 20 A	50HZ	SINGLE PHASE	
		Solar Plant						
		Capacity PV		Numbers	Type	Battery	Bank	
		100 W		54	JJPV	Exide powersafe		
		Solar Plant for Main RACON						
		Capacity PV		Numbers	Type	Battery	Bank	
		70W		1	TATA BP	Exide powersafe		
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	-	-	-	-	-	-	-	
14	बैटरी Batteries							

	Equip ment	Type	Make	Volt	Amp/Hr	Qty			
	MAIN LIGHT	VRLA	EXIDE	2 V	500 AH	36			
	PSS NAIS	VRLA	EXIDE	2 V	500 AH	72			
	Gense t	DRY MAINTENAN CE FREE	KOEL	12 V	32 AH	1			
	Auto matio n	VRLA	EXIDE	12V	150 AH	6			
	DGPS	-	-	-	-	-			
15	बैटरिचार्जर/ Battery charger								
	Equipm ent	Make	Model	Type	Rating	Qty			
	General Purpose								
	Automa tion								
16	इंवर्टरInverter /UPS								
	Equi pme nt	N o s	Make	Model	Type	Rating	Qt y	inpu t	output
	Mai n Ligh t	1	ESSMA	SINE WAVE HOME UPS	INV	800VA	1	12V	230 V
	NAI S PSS	1	EXIDE	DST PST UPS	UPS	1450 VA	1	24V	230 V
	DGP S								
17	स्वचलनउपकरण Automation Equipment								
	MAK E	PLC	HMI	Power Supply	VSAT	Mode m	Band		
	NELC O	SC HN EID ER	MAGELI S TELECO MMUNI QUE	24V SMPS	PARABOLI C DISH	Skyedg e gilat	X band		
18	आग्निशमनउपकरण		Type of Extinguisher	Capacity	Nos	Make			
			DCP Type(u/s)						

	Fire Fighting Equipment	DCP Type(u/s)			
		Foam Type(u/s)			
		Water Type(u/s)			
		DCP Type			
		FIRE BUCKET	9 L	4	
19	संचार Communication				
20	जलपूर्ति Water Supply	2 Nos. open wells provided with electric water pump. 6 Nos. rainwater collection tanks provided.			
21	भूमि Land	Area	1 acre approx.		
		Demarcation	Not done		
22	इमारतें Buildings	One unit of Inspection Qtrs. and HLK Qtrs. two units of ALK Qtrs. 4 Unit of LHA Qtrs. One Safaiwala Qtrs. Oil and storeroom observation cabin & workshop			
23	कंपाउंडलाइट Compound Lights	5			
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	None		
		DVR			
25	स्टाफ Staff	Sl. No	Designations		
		1	Navigational Assistant Gr.-II		
		2	Navigational Assistant Gr.-III		
		3	Lighthouse Attendent		
26	पहुँचनेकामाध्यम Mode of approach	By rail upto Karwar and 11 Km by sea upto Lighthouse.			
27	उपलब्धसुविधाए Facilities available	Marine Police Station	Within 15 km		
		Dispensary	Within 15 km		
		High School	Within 15 km		
		Post office	Within 15 km		
28	डाकपता Postal address	Head Lightkeeper, Oyster Rocks Lighthouse R/T Building, Kaju Baug, Post Karwar, Dist. Kanera, PIN – 581 301.			

29	मूल्यकाब्योरा Cost details (At the time of Construction)	Not available
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	1934