

मास्टर लेजर/MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F0660	
2	स्थान/Position	Lat. : 13° 00' 13.15" N Long.: 74° 47' 25.89"	
3	ऊंचाई/Elevation	43m	
4	अभिलक्षण/Characteristic	Fl W 10 Sec. (Fl. 0.37, Ec. 9.63)	
5	नॉटिकलमाइलमेदूरी Range in miles	Luminous : 24 Nm Geographical : 17.5 Nm	
6	दीपस्तंभटावर/L.H.Tower	Type	Square Masonry Tower
		Height	30 Mtrs
		Colour Scheme	Red & White Bands – 5 Nos. (3 Red + 2 White)
7	ऑप्टिकलउपकरण Optical equipment	Optic	3 rd Order Large
		Make	Make: B.B.T.
		Type	Revolving
		Size	500 mm
		No. of lens	03
		Area of dioptric portion	3265 sq.cm (Corrected area 2318 sq.cm)
		Area of catadioptric portion	10733 sq.cm (Corrected area 8909 sq.cm)
		Divergence Main	Horizontal-6.27°, Vertical-4.56°
		Duration of Flash Main /Standby/Emergency	0.37sec
		Lamp changer	N/A
		Pedestal	Mercury Float
		Rotation Device	Dual stepper motor 40 kg/cm
		R.P.M.	2 RPM
		Illumining	3X150 Watt MH Lamp Cluster
		Main	MESCOM 3 Phase, 440V, 50 Hz AC Main supply.
Standby	D G Sets 3 Phase, 25 KVA – 02 Nos.		
Emergency:	N/A		
Date of Installation	1972		

8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby		567273 cd				
		Emergency		NA				
9	लैंटर्न/Lantern	Diameter		3.0 m				
		Height of glazing		1.784 m				
		No. of panes		24 (8 panes blanked on the Landward side)				
		Ventilators		11				
10	RACON		Sr. No.		ALORS 6297			
	Make	Model	Code		Band	Date of Installation		
	Tideland	Seabeacon 2 System 5	C (._.)		X+S	07/12/2005		
11	NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	PSS	R-40	25 WATT	4192237				
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	1.8 Mtr VSAT	S	DATUM					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS – II ID	Beacon ID	Date of commissioning	Date of Recaptalization
NAUTEL	320	500	412	413	106	06/05/1998	22/06/2017	
12	ऊर्जासिाधन/ Source of energy	Mains			MESCOM 3 Phase, 440V, 50 Hz AC Main supply.			
		Standby			D G Sets 3 Phase, 25 KVA – 02 Nos.			
		Engine 1						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	

		KIRLOSKAR	01	32 BHP	3	1500	AIR CO OLI NG
Alternator							
		Make/Type	Qty	Ratin g	Voltage/A mp	Frequency	Ph as e
		KIRLOSKAR	01	25 KVA	240 VA/ 90 Amp	50 Hz	3 Ph ase
Engine 2							
		Make/Type	Qty	Ratin g	No of Cylinder	RPM	Co oli ng
		KIRLOSKAR	01	32 BHP	3	1500	AIR CO OLI NG
Alternator							
		Make/Type	Qty	Ratin g	Voltage/A mp	Frequency	Ph as e
		KIRLOSKAR	01	25 KVA	240 VA/ 90 Amp	50 Hz	3 Ph ase
Solar Plant							
		Capacity PV	Numbers		Type	Battery	Ba nk
		200 W	03			SMF	12 V/ 10 0A H
Solar Plant for Main RACON							
		Capacity PV	Numbers		Type	Battery	Ba nk
		75	01			SMF	N/ A
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers						
		Make	Model	Capacity	Input	Output	Phase

	SARVOMAX	Servo Controlled 14-1/AC	15 KVA	170-270V	230 V	SINGLE PHASE	0 3			
14	बैटरी Batteries									
	Equipment	Type	Make	Volt	Amp/Hr	Qty				
	PSS NAIS	SMF	APC	12 V		02				
	Gen Set-I	LEAD ACID	BOSCH	12 V	100 AH	01				
	Gen Set-II	LEAD ACID	BOSCH	12 V	100 AH	01				
	Automation	SMF	ROCKET	12 V	26 AH	02				
	DGPS	SMF	AMARON	12 V	26 AH	22				
15	बैटरी चार्जर/ Battery charger									
	Equipment	Make	Model	Type	Rating	Qty				
	General Purpose	--	--	--	--	--				
	Automation	Powerex Engg.		SMPS	26.5 VDC	01				
16	इंवर्टर Inverter /UPS									
	Equipm ent	No s	Make	Model	Type	Rating	Qty	input	ou tp ut	
	Main Light	03	EXIDE	EXIDP850	12 V	850 VA	02	220 VAC	220 VAC	
	NAIS PSS	02								
	DGPS	02	APC APC	SRC10KVX 1 SRC10KVX 1	ONLIN E ONLIN E	10 KVA 03 KVA	01 01			
17	स्वचलन उपकरण Automation Equipment									
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band			
	M/s.NE LCO	Telemechni qe	Senider Electric							
18	आग्निशमन उपकरण Fire Fighting Equipment		Type of Extinguisher			Capacity		Nos		Make
			CO 2			6.5 Kgs.		02		SAFX FIRE SERVICES

19	संचार <i>Communication</i>	BSNL Tel./Fax No. 0824-2476129	
20	जलपूर्ति <i>Water Supply</i>	Municipal Running Water is provide to Staff Quarter and LH Premises And submersible Pump is provided in Well. Also another ½ HP Pump is Provided to pump the water from old Underground Sump to the Overhead Tank.	
21	भूमि <i>Land</i>	Area	1.319 Acres
		Demarcation	Compound Wall
		No. of Fruit Trees	25
		No. of non-fruit Trees	25
22	इमारतें <i>Buildings</i>	Quarters	Power House/Store/ DGPS Transmitter, One Block IQ Qtr., One Unit of N. A. -III, Coil hut,
		Other Buildings	& Asst. Engineer Qtr. 01 Nos. N.A -I Qtr 01 Nos. NA-II 01Nos., NA -III Qrs. 01 LHA Qtr 01 No. and Pump House.
23	कंपाउंडलाइट <i>Compound Lights</i>	8 Nos. Street Light and 2 Nos. Gate Light are provided.	
24	सीसीटीवीकमेरा <i>CCTV CAMERA</i>	Camera	NA
		DVR	NA
25	स्टाफ <i>Staff</i>	Sl. No	Designations
		1	Shri. Vijaymanthesh S. Sangam NA-I
		2	Shri. Y.Y. Christain. NA-III
		3	Shri. Chnadrath H. Kanbirkar LHA12
		4	
		5	
		6	
		7	
26	पहुँचनेकामाध्यम <i>Mode of approach</i>	By rail up to Surathkal Railway Station and 4 Km by road	
27	उपलब्धसुविधाए <i>Facilities available</i>	Marine Police Station	12 Km
		Dispensary	03
		High School	03
		Post office	03
		Police Station	3.5
28	डाकपता <i>Postal address</i>	Assistant Engineer(Electronics), Surathkal Lighthouse and DGPS Station, Surathkal, Opp NITK Campus	

		Dist. South Kanara, Karnatka. PIN.- 575 014
29	मूल्यकाब्योरा Cost details (At the time of Construction)	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	1972