

मास्टर लेजर/MASTER LEDGER

कोर्लई किला दीपस्तंभ/ KORLAI FORT LGHTHOUSE

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0558	
2	स्थान/Position	Lat. 18 ⁰ 32' 15.73"N Long. 72 ⁰ 54' 21.85"E	
3	ऊंचाई/Elevation	33 mtr.	
4	अभिलक्षण/Characteristic	fl. W 3 Sec. (fl. 1, ec 2)	
5	नॉटिकलमाइलमेदूरी Range in miles	i) Luminous : 23.5 NM ii) Geographical : 16 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Rectangular Masonry Tower
		Height	12.7 mtr.
		Colour Scheme	Black & White bands (3 bands 4.30 m each)
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	ANA Nav aids, New Delhi, GRB – 48, MK-II
		Type	Revolving with acrylic flat Fresnel lenses
		Size	200 mm
		No. of lens / No. of panels	8 Nos.
		Area of dioptric portion	---
		Area of catadioptric portion	---
		Divergence Main/Emergency	Horizontal – 5.7 ⁰ , Vertical – 9.5 ⁰
		Duration of Flash Main /Standby/Emergency	0.95 sec.
		Lamp changer	-N/A-
		Pedestal	Fixed Angle Iron
		Rotation Device	Stepper Motor with electronic control
		R.P.M.	2.5 RPM
		Illuminant	
		Main	230V AC 150W MH lamp (2 Pin Single end)
Standby	-N/A-		
Emergency:	12 VDC 50W Halogen lamp		
Date of Installation	23.08.2003 & Reinstalled on Date 17.10.2018		

8	प्रभावीबीमतीव्रता/Effective beam intensity		Main & Standby		4,68,750 cd			
			Emergency		-			
9	लैंटर्न/Lantern		Diameter		1.8 mtr			
			Height of glazing		0.8 mtr			
			No. of panes		08			
			Ventilators		07			
10	RACON							
	Make	Model	Code	Band	Date of Installation			
	Tideland Sr. No.6296	Sea Beacon 2 System 6	'O'	X & S	10.11.2005			
11	NAIS							
	Base Station		i) R40 Base station AIS-1, AIS-2 for Coast watch activity ii) Satellite Modem for Modulation & Demodulation iii) 8 port Network Switch, iv) 1 KVA UPS- 02 nos. for Backup v)1KVA isolation transformer					
	Make & Model	Type	Power	MMSI				
	SAAB - R 40	Class - A	80 Watt	4192227				
	Communication Equipment							
	VSAT Antenna: 2.4 mtr	Band : Ex-C	Modem: DATUM SYSTEM					
	DGPS							
	Trasmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitulation
	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-
-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	-N/A-	
12	ऊर्जाकेसाधन/Source of energy		Mains					
			Mains		440v, 50 Hz, 3 Phase Supply			
			Standby		1. 12V/150AH 12V/150 Ah SMF Battery with Inverter 850VA Make : Excide 2. DG set 7.5 KVA Kirloskar Green Genset installed on 11.09.07			

	Engine 1						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
	Kirloskar Green EA-16	01	16 BHP	02	1500	Air	
	Alternator						
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
	Kirlosker	01	7.5 KVA	230 / 31.2	50 Hz	1 Phase	
	Engine 2: -N/A-						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
	Alternator: -N/A-						
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
	Solar Plant: -N/A-						
	Capacity PV	Numbers		Type	Battery	Bank	
Solar Plant for Main RACON							
Capacity PV	Numbers		Make/Type	Battery	Bank		
70 watt	01		Tata BP	100AH	01		
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers						
	Make	Model	Capacity	Input	Output	Phase	Qty
	AE	JY-415C	5 KVA	160-260V	230 V	1 Phase	01
14	बैटरी Batteries						
	Equipment	Type	Make	Volt	Amp/Hr	Qty	
	PSS NAIS	----	----	----	----	----	
	Genset	Automotive SMF	Excide	12 V	100 AH	01	23.01.2019
	Automation	----	----	----	----	----	
	DGPS	----	----	----	----	----	
15	बैटरीचार्जर/ Battery charger						
	Equipment	Make	Model	Type	Rating	Qty	
	General Purpose	AE	--	1050-00/60	4.5 kva	01	U/S
	Automation	Powerex Engineering	--	--	15 VA	01	U/S

16	इंवर्टर Inverter / UPS									
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output	
	Main Light	01	Exide	Exide 850 DSP	Off line	850VA	01	190 - 250 V	230 V	
	NAIS PSS	02	APC	SRC1KI-IN	On Line	1 KVA	02	190 - 250 V	230 V	
	DGPS	N/A	----	----	----	----	----	----	----	
17	स्वचलन उपकरण Automation Equipment									
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band			
		Telemecanique	Schneider	Powerex Engineering	Tata Net	Sky-Edge	Ex-C			
18	आग्निशमन उपकरण Fire Fighting Equipment				Type of Extinguisher	Capacity	Nos	Make		
					Foam Type	9 Ltr.	01 no.			
					DCP	3.2 Kg	03 Nos.			
					DCP	1 Kg	02 Nos.			
					Co2 water Type	9 Ltr	01 No.			
					Fire Bucket	---	04 nos.			
19	संचार / Communication				-----			-----		
20	जलपूर्ति Water Supply				a) Water storage tank Size 2.1m x 2.1m x 1.9 m b) Water storage tank Size 6m x 3m x 3 m (Newly constructed 2017-2018) c) Open well with one centrifugal water pump Kirlosker 5HP, 1500 R.P.M , 3 phase and pumping water into storage tank. d) Borewell provided in the compound in the year 2018.					
21	भूमि Land				Area	1) 7/12- 90/1 -0.81 for Road towards Lighthouse 2) 7/12- 90/2 -6.07 Hectares (Present Lighthouse building area) 3)7/12- 90/3 - 1.8 Hectares (Backside of Fort area)				
					Demarcation					
22	इमारतें Buildings				Quarters	Power House, Inspection Qtr. HLK Qtr., Two NA Qtrs. Store and LH Tower – 01 New Building. Office-cum Store Room-Oil room, Pump-house, One and LHA Qtr.& One Safaiwala Qtrs, Old NA 2 Qtr-01				
23	कंपाउंड लाइट Compound Lights					07 and Gate Light 02 Nos.				
24	सीसीटीवी कैमरा CCTV CAMERA				Camera	-N/A-				
					DVR	-N/A-				

25	स्टाफ Staff	Sl. No	Designations
		1	HLK / NA- I - 1
		2	NA-II - 1
		3	NA-III - 1
		4	LHA - 1
26	पहुँचनेकामाध्यम Mode of approach	By road upto Korlai village & then 3 kms. by walk/auto upto Lighthouse.	
27	उपलब्धसुविधाए Facilities available	Marine Police Station	Revdanda/Borli Mandla 8 Kms. from Lighthouse
		Dispensary	Revdanda / Borli Mandla 8 Kms. from Lighthouse
		High School	Yes – at Korlai / Revdanda
		Post office	Yes – at korlai / Revdanda
28	डाकपता Postal address	Head Lightkeeper, Korlai Fort Lighthouse, P.O. Korlai Ta. Murud Dist. Raigad Pin no. 402202	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	Rs.89,480/- F.O.R.	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	14.06.1956	