

मास्टरलेजर /MASTER LEDGER

कनाई क्रीक दीपस्तंभ /Kanai Creek Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0479	
2	स्थान/Position	Lat. 20 ⁰ 48.7'N Long. 72 ⁰ 49.7'E	
3	ऊंचाई/Elevation	34m	
4	अभिलक्षण/Characteristic	fl (2) W 20 Sec. (fl 0.5, ec 3,fl 0.5, ec 16)	
5	नॉटिकलमाइलमेदूरी Range in miles	17NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Circular concrete Tower
		Height	30m
		Colour Scheme	Black & White bands (3 black & 2 white)
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	Wealth Marine Pvt. Ltd. Singapore
		Type	WM – RB 500 Marine Rotating Beacon
		Size	200 MM
		No. of lens	6 clear "Bulls Eye" Acrylic lense panels equally spaced at 60 (Hexagonal)
		Area of dioptric portion	-
		Area of catadioptric portion	-
		Divergence Main/Emergency	Horizontal-1.5°, Vertical-2.42°
		Duration of Flash Main /Standby/Emergency	0.5 sec
		Lamp changer	NA
		Pedestal	G.I. Stand
		Rotation Device	2 Nos. 12V DC Stepper Motors

		R.P.M.	1.5					
		illuminating	1 No. MH Lamp – 70 Watt, 230 AC					
		Main	-					
		Standby	-					
		Emergency:	-					
		Date of Installation	May-2007					
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	41600 cd.					
		Emergency	-					
9	लैंटर्न/Lantern	Diameter	2.4m					
		Height of glazing	1.5m					
		No. of panes	24 Nos. (in 2 tiers)					
		Ventilators	12 Nos.					
10	RACON	-	-					
	Make	Model	Code	Band	Date of Installation			
	-	-	-	-	-			
11	NAIS							
	Base Station	R40 Base Station AIS-1, AIS-2, Satellite Modem & 8 Port Network Switch						
	Model	Type	Power	MMSI				
	R 40	Class A	12.5W	4192222				
	Communication Equipment	02 Nos GPS Antenna 02 Nos VHF Antenna						
	VSAT Antenna	Band	Modem					
	2.4 m dia parabolic reflector	Ex-C band	Datum Systems PSM-500L Satellite Modem					
	DGPS							
	Trasmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	D a t e o f R e c a p i t a l i z a

									t i o n	
	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
12	ऊर्जाकेसाधन/ <i>Source of energy</i>	Mains			Local mains 440V, 3 Phase, 50Hz					
		Standby			Gen-Set- 01 No.					
		Engine 1								
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling			
		Kirloskar EA-16	1	16HP	2 Nos.	1500	Air			
		Alternator								
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase			
		KG-164H Kirloskar	1	7.5 KVA	240/31.2	50Hz	Single			
		Engine 2								
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling			
		-	-	-	-	-	-			
		Alternator								
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase			
		-	-	-	-	-	--			
		Solar Plant								
		Capacity PV	Numbers	Type	Battery	Bank				
		75W	5 Nos.	TATA BP	SMF 12V					
80W	6Nos.	Jain Jyoti	150 amp/hr							
			4Nos.							
Solar Plant for Main RACON										
Capacity PV	Numbers	Type	Battery	Bank						
-	-	-	-	-						
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers									
	Make	Model	Capacity	Input	Output	Phase	Qty			
	VS Power Systems	Servo Voltage	10KVA	120-280V, 50HZ	230V ± 1%	Single Phase	1			
14	बैटरी Batteries									
	Equipment	Type	Make	Volt	Amp/Hr	Qty				
	PSS NAIS	-	-	-	-	-				
	Genset	Lead Acid	-	12	100	1 No.				
	Automation	SMF	-	12	26	2 Nos.				
	DGPS	-	-	-	-	-				

15	बैटरीचार्जर/ Battery charger							
	Equipment	Make	Model	Type	Rating	Qty		
	General Purpose	AE		12.5V Trickle Charger	36A	1		
	Automation	Power engineering		24V	20A	1		
16	इंवर्टरInverter /UPS							
	Equipment	Nos	Make	Model	Type	Rating	Qty	input output
	Main Light	2	Excide	-	-	850VA	2	12V DC 230V AC
	NAIS PSS	1	APC	-	-	1000VA	1	
	DGPS		-	-	-	-	-	-
17	स्वचलनउपकरण Automation Equipment							
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band	
	NELCO	Telemecanique	Schneider	24 to 24 V DC-DC Converter 24 to 12 V DC-DC converter	1.8m Dia parabolic reflector	Welltech	Ex-C band	
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make	
				1. DPC type	3.2 Kg	02		
					1 Kg	01		
				2. Co2 type	-	01		
19	संचार Communication			BSNL Tel No. 02637-222219 kanaicreeklh2019@gmail.com				
20	जलपूर्ति Water Supply			Hand drawn from well inside Lighthouse compound. Water pump 0.5 HP fitted on well and given single tap connection in front of all staff quarters				
21	भूमि Land			Area			10000 Sq. Cm(2.5 acres)	
				Demarcation			Pre-cast R.C.C. fencing	
22	इमारतें Buildings			Quarters			One unit of power house-cum store, Oneunit of Inspection Qtr. One Unit of HLK Qtr., one unit of ALK Qtr., twin unit of LHA	

			and Safaiwala quarters.
23	कंपाउंडलाइट Compound Lights	i) 6 Nos. G.I. poles with LED Light ii) 2 Nos. LED Light for gate	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	-
		DVR	-
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant-I -1 (Vacant)
		2	LHA- 1
		3	
26	पहुँचनेकामाध्यम Mode of approach	By rail upto Navsari & then 25 Kms. By road upto Lighthouse.	
27	उपलब्धसुविधाए Facilities available	Marine Police Station	Police Station Navsari
		Dispensary	Navsari
		High School	Navsari
		Post office	Onjal Machhiwad
28	डाकपता Postal address	Navigational Assistant-I Kanai Creek Lighthouse P.O.- Onjal Machivad, Tal. Jalapur, Dist. Navasari, PIN – 396 412.	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	Rs. 7,25,000/-	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	13.03.1983	