

मास्टर लेज़र/MASTER LEDGER

कारैकाल दीपस्तंभ/Karaikal Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description			
1	ए.एल.ओ.एल/A.L.O.L.	F 0916			
2	स्थान/Position	Lat.10° 54'99" N , long 79° 51'14" E			
3	ऊंचाई/Elevation	89M (Above MSL)			
4	अभिलक्षण/Characteristic	Fl (2) W every10 sec			
5	नॉटिकलमाइलमेदूरी Range in miles	Luminous Range-12NM Geographical Range-13NM			
6	दीपस्तंभटावर/L.H.Tower	Type	Circular RCC structure		
		Height	15.09 M		
		Colour Scheme	Complete White colour Band		
7	ऑप्टिकलउपकरण Optical equipment	Optic	Rotating Beacon, TRB-220		
		Make	Tideland signal corporation		
		Type	TRB-220 Maxlumina		
		Size	110mm		
		No. of lens	4		
		Area of dioptric portion			
		Area of catadioptricportion			
		Divergence Main/Emergency			
		Duration of Flash Main /Standby/Emergency	10 Sec		
		Pedestal	Lamp pedestal provided		
		Rotation Device	12v/DC Stepper motor		
		R.P.M.	3		
		Illumining			
		Main	230V/70W Metal Halide Lamp		
		Standby			
Emergency:					
Date of Installation	30.09.2010				
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main			
		Emergency			
9	लैंटर्न/Lantern	Diameter	2 m		
		Height of glazing	1 m		
		No. of panes	8		
		Ventilators	4		
10	RACON		N.A		
	Make	Model	Code	Band	Date of Installation

11	NAIS	N.A						
	Base Station							
	Model	Type	Power		MMSI			
	Communication Equipment							
	VSAT Antenna							
	2.4m dia Parabolic reflector							
	DGPS		N.A					
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Re capitalization
12	ऊर्जासाधन/ <i>Source of energy</i>	Mains			3 phase,440v,Puducherry ElectricitySupply			
Power Source								
Engine 1		N.A						
Make/Type		Qty	Rating	No of Cylinder	RPM	Cooling		
Alternator								
Make/Type		Qty	Rating	Voltage/Amp	Frequency	Phase		
Engine 2		N.A						
Make/Type		Qty	Rating	No of Cylinder	RPM	Cooling		
Alternator								
Make/Type		Qty	Rating	Voltage/Amp	Frequency	Phase		
Engine 3		N.A						
Make/Type		Qty	Rating	No of Cylinder	RPM	Cooling		
Alternator								
Make/Type		Qty	Rating	Voltage/Amp	Frequency	Phase		
Engine 4		N.A						
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			
		12v/80w	4 Nos	Make-Tata BP	12V/150AH-2 Nos				
		Solar Plant for Main RACON		N.A					
		Capacity PV	Numbers	Type	Battery	Bank			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase Qty			
	M/s ITL	Servo controlled	5 KVA	170v-240v	230v	Single phase 1 no			
	M/s GLOBUS	Servo controlled	5 KVA	170v-240v	230v	Single phase 1 no			
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Main Light	Lead acid	Exide	12V	150 AH	2			
	CCTV	SMF	Exide	12V	150 AH	2			
	DGPS								
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	"AE"		Input-230v AC & Output-0-30v DC	40 Amp	1 no			
		"GLOBUS"		Input-230v AC & Output-0-40v DC	40 Amp	1 no			
16	इंवर्टर/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
	Main Light	1 no	"UTL COMBO"		Pure sine wave	800 VA	1 no	12v	230v/AC
	CCTV	1 no	"LUMINOUS"		Pure sine wave	850 VA	1 no	12v	230v/AC
	DGPS								
17	स्वचलनउपकरण Automation Equipment N.A								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	1	"IN TIME"		
				Foam Type	9 Ltr	1	"IN TIME"		
19	संचार Communication			Ph no:04368-294929					

20	जलपूर्ति Water Supply	Local municipality water supply connection-1 no available. 50,000 Lits capacity water sump with motor room provided. Borewells are provided for alternate use.	
21	भूमि Land	Area	0.11.40 Hectares
		Demarcation	Available
22	इमारतें Buildings	RCC Structure:	No allied Buildings in side the premises.
		Timber Construction above plinth level	Inspection Qtr – One unit (in side the tower)
23	कंपाउंडलाइट Compound Lights	LED Light fitted on G.I Pole- 10 Nos	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	04 Nos
		DVR	01 Nos
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant II -1 no
		2	LHA -1 no
26	पहुँचनेकामाध्यम Mode of approach	By Bus/Rail.	
27	उपलब्धसुविधाए Facilities available	The nearest Post office, Dispensary, High School, Police Station are available at 5 km distance.	
28	डाकपता Postal address	Navigational Assistant – I, Karaikal Lighthouse Karaikal, Puducherry state. Pin: 609602	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	N/A	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	12.09.1992, then renovated lighthouse opened by the DGLL/Noida on 15/04/2019	