

मास्टर लेज़र/MASTER LEDGER

किलाक्करै दीपस्तंभ/Kilakkarai Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0738	
2	स्थान/Position	Lat.09° 13.5' N, long 78° 47.0' E	
3	ऊंचाई/Elevation	35.198M (Above MSL)	
4	अभिलक्षण/Characteristic	Single white flash every 15 sec (0.1+14.9)	
5	नॉटिकलमाइलमेदूरी Range in miles	20 NM	
6	दीपस्तंभटावर/L.H. Tower	Type	Hexagonal concrete tower
		Height	30 M
		Colour Scheme	Red and White Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	TRB 220
		Make	Tideland Signal Corporation-Maxlumina
		Type	
		Size	Height: 915, mm Dia: 415 mm, Wight: 20Kg
		No. of lens	6 (5 Nos Blanking with aluminum sheet)
		Area of dioptic portion	-
		Area of catadioptric portion	-
		Divergence Main/Emergency	2.40° (Horizontal)
		Duration of Flash Main/standby/Emergency	0.1 Second
		Pedestal	-
		Rotation Device	Brushless DC motor gearless direct drive
		R.P.M.	4.0
		Illumining	-
		Main	230V / 70W Metal Halide Lamp
		Standby	-
		Emergency:	-
		Date of Installation	08-02-2009
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	68881 cds
		Emergency	
9	लैंटर्न/Lantern	Diameter	2.0 m
		Height of glazing	3.9 m

		No. of panes	12 Nos					
		Ventilators	6 Nos					
10	RACON		N / A		-			
	Make	Model	Code	Band	Date of Installation			
	-	-	-	-	-			
11	NAIS							
	Base Station		2 Nos-AIS1 & AIS2					
	Model	Type	Power	MMSI				
	R40	Class A	AC-230V & DC-12V	004194417				
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector	EX-C	Datum system M7LT Satellite Terminal					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	
	-	-	-	-	-	-	-	
12	ऊर्जाकिसाधन/ Source of energy	Mains			Tamilnadu Electricity Board mains supply available			
		Power Source			Solar Energy 5 KW Off grid			
		Engine 1						
		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		
		5 KW	21 Nos	Mono Crystalline	12 Nos 2V/6000AH & 16 Nos 12V/150 AH	02 Nos		
		Solar Plant for Main RACON						
Capacity PV	Numbers	Type	Battery	Bank				
-	-	-	-	-				
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	

	Soundary power system	Globus 170 V-270 V	5 KVA	170 V – 270 V	230 V	Single phase	1 No		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp / Hr	Qty			
	Main Light	Lead Acid	Exide	2V	600 AH	12 Nos			
	NAIS & Street light	Lead Acid	Exide	12 V	150 AH	16 Nos			
	Automation	-	-	-	-	-			
	DGPS	-	-	-	-	-			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	Main Light	Jagath jothi	DC 80 A/ 24V	80A/24V	80 A	1 No			
	General Purpose	Geevi control system	40V 25 A DCPS	40V / 25A DCPS	25A	1 No			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Out put
	Main Light	1	Exide	Exide 1450DSP PST UPS	Pure sine wave	1450 VA	1	24 V DC	230 V AC
	Spares	2	Hidel	1450VA/24V	Pure sine wave	1450 VA	1	24 V DC	230 V AC
			Geevi control	1 KVA SINE INV	Pure sine wave	1 KVA	1	24 V DC	230 V AC
NAIS & Street light	1	Hykon	SPP 5000	Inverter cum power control unit	5 KW / 96 V DC	1	96 V DC	230 V AC	
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Racktronic Devices & Systems (RDS)	Allen-Bradley Micro Logix	Renu Electronic Pvt.Ltd	24 V DC	1.8m dia Parabolic reflector	Hughes	EX.C		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	2			
				Water Co2	2 Kg	2			
				Foam Type	9 Ltr	-			
19	संचार Communication			BSNL Telephone No: 04567-299115		Hikkilakkarailighthouse@gmail.com			
20	जलपूर्ति Water Supply			Municipal water connection 3 nos pumped to overhead tank 1 no and concrete water tank 2 nos.					

21	भूमि Land	Area	1.067 hectare
		Demarcation	N-Road, S-Sea, E-Sea , W-Road.
22	इमारतें Buildings	RCC Structure: 08 Nos	Inspection Qtrs – 1no Office cum Power House - 1No, NAG I Qtr – 1 No NAG II – 1 No NAG III – 1 No LHA Qtrs – 2 Nos Pump House -1 No
		Timber Construction above plinth level	-
23	कंपाउंडलाइट Compound Lights	Street Light fitting LED Light fitted on G.I Pole - 8 Nos. Gate Light fitting – 2 Nos	
24	सीसीटीवीकमेरा CCTV CAMERA	-	
		-	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Grade II
		2	Lighthouse Attendant
26	पहुँचनेकामाध्यम Mode of approach	By rail up to Ramanathapuram and then by road 20 Kms up to Kilakkarai Lighthouse.	
27	उपलब्धसुविधाए Facilities available	The nearest Post office, Dispensary, High School, Police Station are available within 3 Km.	
28	डाकपता Postal address	Navigational Assistant Grade I, Kilakkarai Lighthouse, Kilakkarai Post. Ramanathapuram Dist. Pin: 623517.	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	Rs.9,42,500/- (Civil construction) Rs.2,38,900/- (Equipments)	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	First commissioned on 02.10.1979. Renovation in the year 2003.	