

मास्टर लेज़र/MASTER LEDGER

कोडिकरै दीपस्तंभ/Kodikkarai Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description			
1	ए.एल.ओ.एल/A.L.O.L.	F 0902			
2	स्थान/Position	Lat.10° 16'.74" N , long 79° 49'59" E			
3	ऊंचाई/Elevation	48M (Above MSL)			
4	अभिलक्षण/Characteristic	Fl (1) W 10 sec (fl 0.22(F)+9.8)			
5	नॉटिकलमाइलमेदूरी Range in miles	19 NM			
6	दीपस्तंभटावर/L.H.Tower	Type	Round & Concrete		
		Height	48 M		
		Colour Scheme	Red and White Band (circular)		
7	ऑप्टिकलउपकरण Optical equipment	Optic	Revolving Beacon		
		Make	LMV BGC 500HI		
		Type			
		Size	22cm x 50cm		
		No. of lens	6		
		Area of dioptric portion			
		Area of catadioptric portion			
		Divergence			
		Main/Emergency			
		Duration of Flash	0.22 sec		
		Main /Standby/Emergency			
		Pedestal	Revolving		
		Rotation Device	stepper motor		
		R.P.M.	1 r.p.m		
		illuminating	70W Metal Halide lamp		
		Main	230V/70W Single ended Metal Halide Lamp		
		Standby	-		
		Emergency:	-		
		Date of Installation	12.04.2016		
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	11000 cds		
		Emergency	-		
9	लैंटर्न/Lantern	Diameter	2 m		
		Height of glazing	1.5 m		
		No. of panes	6 Nos Toughened glass		
		Ventilators	9 Nos		
10	RACON	Sr. No			
	Make	Model	Code	Band	Date of Installation

11	NAIS							
	Base Station Base stations 2 Nos Sl.NO 5342, 5363							
	Model	Type	Power		MMSI			
	R40							
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector		HUGHES HT2300					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Re capitalization
12	ऊर्जाकेसाधन/Source of energy	Mains			Tamilnadu electricity board			
		Power Source			3 phase /440V AC supply & 25KW On-Grid solar powerplant commissioned on 19.12.2016 by Access solar Ltd., 25 Kw Delta Invereter.			
		Engine 1 (NIL)						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		Kirloskar/TA2 SR11	1 No	12HP	2 Nos	1500	Air	
		Alternator						
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
		Kirloskar	1 No	5KVA	230V / 20A	50HZ	1 PHASE	
		Engine 2 (NIL)						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		NIL	NIL	NIL	NIL	NIL	NIL	
		Solar Plant for Main light						
		Capacity PV	Numbers		Type	Battery	Bank	
		1.25 KW (31.2 V/250 W)	5 Nos		SSL-60P	12 Nos 2 V/ 600 AH	01 No.	
	Solar Plant for 3.5KW off grid (used in Automation and NAIS)							
	Capacity PV	Numbers		Type	Battery	Bank		
	3.5KW (31.3 V/ 250 W)	14 Nos.		SSL-60P	24 Nos 2V/500AH	01 No.		
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capa city	Input	Output	Phase	Qty	

	Globus	Servo controlled	5 KVA	0V-300 V	230 V	1 phase	1 No		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/ Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	-	-	-	-	-			
	Automation	-	-	-	-	-			
	DGPS	-	-	-	-	-			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	AE make	-	-	0-30 V/ 30 A	4 No			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output
	Main Light	1 No	Microtek	--	Pure sine wave	1.5 KVA	1No	24 V/ DC & 230 V AC	230VA C
	3.5 KW off grid	1 No	Luminous	--	Pure sine wave	3KW	1No	48 V/ DC & 230 V AC	230VA C
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen Bradley	Renu electronics	24 V DC	1.2 m dia Parabolic reflector	Hughes	-		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	2 kg	4	Queenfire		
				Co2	2 Kg	1	Intime		
				Foam Type	9 Ltr	2	Excellent		
19	संचार Communication			BSNL telephone E-mail			04369-272415 kodikkarailighthouse@gmail.com		
20	जलपूर्ति Water Supply			Rain water collection tank					
21	भूमि Land			Area			2.29.5 Hectares		
				Demarcation			Not Available		
22	इमारतें Buildings			RCC Structure: 06 Nos			Power House-cum Office room, Inspection quarters, NA-I quarters and NA-II quarters,		

			Transit quarters, LHA & LHS quarters
23	कंपाउंडलाइट Compound Lights	LED Light fitted on G.I Pole-10 Nos(Street Lights) Gate Light fitting 2 Nos	
24	सीसीटीवीकमेरा CCTV CAMERA	NIL	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-I – 1 No
		2	Navigational Assistant Gr-II- 1 No
26	पहुँचनेकामाध्यम Mode of approach	Connected by Road and Bus service available from Vedaranyam. Nearest Railway station is Nagapattinam 58 Kms from the Lighthouse.	
27	उपलब्धसुविधाए Facilities available	The nearest Post office, local panchayat office, High School and primary Health centre at Kodikkarai, Police Station is available at Vedaranyam.	
28	डाकपता Postal address	The Navigational Assistant Gr-I Kodikkarai Lighthouse, Kodikkarai Post, Vedaranyam Taluk Nagapattinam District, Tamilnadu-614807	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	Construction cost Rs.77 Lakhs Equipment cost Rs. 25 Lakhs	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	09.03. 1998.	