

मास्टर लेजर/MASTER LEDGER

अम्मापट्टिनम लाइटहाउस/Ammappattinam Lighthouse			
क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0901.2	
2	स्थान/Position	Lat : 10°00'.65" N Long : 79°13'.74" E	
3	ऊंचाई/Elevation	49 M (Above MSL)	
4	अभिलक्षण/Characteristic	Two White Flashes for every 15 Second	
5	नॉटिकलमाइलमेदूरी Range in miles	20 NM at 0.74 AFT	
6	दीपस्तंभटावर L.H.Tower	Type	RCC Circular Tower
		Height	45 M
		Colour Scheme	Black and White Horizontal Band
7	ऑप्टिकलउपकरण Optical equipment	Optic	LED Marine Rotating beacon, VRB- 25-LED
		Make	M/s VEGA, Finland
		Type	LED
		Size	
		No. of lens	
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	1.5° at 5% Peak Intensity
		Duration of Flash Main /Standby/Emergency	0.5 sec
		Pedestal	-
		Rotation Device	Inbuilt stepper motor
		R.P.M.	2 RPM
		illuminating	
		Main	12V DC LEd Marine Rotating Beacon
		Standby	-
		Emergency:	-
		Date of Installation	13.05.2019
8	प्रभावीबीमतीव्रता Effective beam intensity	Main	113000 cds
		Emergency	-
9	लैंटर्न/Lantern	Diameter	2.4 m ,8mm thick
		Height of glazing	1385 mm
		No. of panes	12 Nos Toughened glass
		Ventilators	6 Nos
10	RACON	Sr. No	

	Make	Model	Code	Band	Date of Installation			
11	NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	SAAB	R40						
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector	Ex-C	HUGHES HT-2300					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recaptalization
12	ऊर्जाकेसाधन <i>Source of energy</i>		Mains		Tamil Nadu Electricity Board (TNEB)			
			Power Source		3 phase /440V AC supply			
			Engine 1 (NIL)					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
			Alternator					
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
			Engine 2 (NIL)					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
			Solar Plant for Main light					
			Capacity PV	Numbers	Type	Battery	Bank	
			1.5 KW (24V/250 Wp)	6 Nos	Access solar	12 Nos 2 V/ 600 AH	01 No.	
	Solar Plant 4Kwp off grid (used in NAIS, Automation, street lights,tower and etc)							
	Capacity PV	Numbers	Type	Battery	Bank			
	4 KW (24 V/ 250 Wp)	16 No.	TAPSUN	16 Nos 12V/150AH	01 No.			
13	स्वचालितवोल्टेजस्टेबलाइजर <i>Automatic Voltage Stabilizers</i>							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	ITL	Servo controlled	5 KVA	170-270 V	230 V	1 phase	1 No	
14	बैटरी <i>Batteries</i>							
	Equipment	Type	Make	Volt	Amp/Hr	Qty		
	PSS NAIS	-	-	-	-	-		
	Genset	-	-	-	-	-		
	Automation	-	-	-	-	-		

	DGPS	-	-	-	-	-			
15	बैटरी चार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	-	Associate engineer(AE)	-	-	0-40 V/ 40 A	1 No			
	-	Velsine Technologies	-	-	0-40 V/ 80 A	1 No			
	-	Aplab Regulated Power Supply	-	-	0-32V/ 20A	1 No			
16	इंवर्टर Inverter /UPS								
	Equip ment	Nos	Make	Model	Type	Rating	Qty	input	output
	4Kwp Off Grid	1 No	Hykon	SPP 5000	Pure Sine Wave	5KVA	1No	96V/DC & 230 V AC	230V AC
-	-	Data Shield	--	Pure sine wave	1 KVA	2No	24V/ DC	230V AC	
17	स्वचलन उपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen Bradley	-	24 V DC	1.8 m dia Parabolic Reflector	Hughes	Ex.C		
18	आग्निशमन उपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	2kg & 6Kg	2	Intime Fire Applicants		
				Foam Type	-	-	-		
19	संचार Communication	BSNL telephone				04371-299260			
20	जलपूर्ति Water Supply	Local Panchayat water Supply , Bore Well Water & Rain Water Storage							
21	भूमि Land			Area	2900 sq. mt				
				Demarcation	East - Bay of Bengal West - Village Gravel Road North - Village Land South - Village Land				
22	इमारतें Buildings	RCC Structure: 06 Nos			Lighthouse Tower , Power House, Store , Office room cum Recreation Room, Inspection quarters, Staff Quarter-3Nos and Pump House				
23	कंपाउंड लाइट Compound Lights	LED Light fitted on G.I Pole-06 Nos Gate light- 2 Nos							
24	सीसीटीवी कमेरा CCTV CAMERA			NIL					
25	स्टाफ Staff			Sl. No	Designations				
				1	Navigational Assistant Gr-II – 2 No				

		2	Outsourced staff for Housekeeping- 1 No
26	पहुँचनेका माध्यम Mode of approach	By Bus (Nearby Railway station is Pudukkottai 75Km) (Nearest airport is Tiruchirapalli airport 120 Km)	
27	उपलब्ध सुविधाए Facilities available	The nearest Primary Health Centre ,Post office, Local panchayat office and BSNL office at Ammapattinam, Police Station are available at Manamelkudi.	
28	डाकपता Postal address	The Navigational Assistant Gr-I Ammappattinam Lighthouse, Ammappattinam , Manamelkudi Taluka Pudukkottai District, Tamilnadu-614617	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	1.02 crores	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	09 th October 2005	