

## मास्टर लेजर/MASTER LEDGER

### मल्लिपट्टीनम दीपस्तंभ/Mallipattinam Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0901.9	
2	स्थान/Position	Lat.10° 16'12" N , long 79° 18'48" E	
3	ऊंचाई/Elevation	48.40M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (1) W 5 sec (fl 0.5)	
5	नॉटिकलमाइलमेदूरी Range in miles	22 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	RCC Octagonal Tower
		Height	45 M
		Colour Scheme	Red and White vertical Band
7	ऑप्टिकलउपकरण Optical equipment	Optic	Rotating beacon, MBR-300
		Make	M/s Mediterraneo senales Maritimes (MSM), Spain
		Type	
		Size	210 mm
		No. of lens	6
		Area of dioptic portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	2.4° (Horizontal) 4.0° (Vertical)
		Duration of Flash Main /Standby/Emergency	0.5 sec
		Pedestal	-
		Rotation Device	Inbuilt stepper motor with drive
		R.P.M.	2 r.p.m
		illuminating	
		Main	230V/150W Single ended Metal Halide Lamp
		Standby	-
Emergency:	-		
Date of Installation	15.10.2010		
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	166000 cds
		Emergency	-
9	लैंटर्न/Lantern	Diameter	2.4 m
		Height of glazing	1.4 m
		No. of panes	12 Nos Toughened glass
		Ventilators	6 Nos
10	RACON	Sr. No	

	Make	Model	Code	Band	Date of Installation			
11	<b>NAIS</b>							
	<b>Base Station</b>							
	<b>Model</b>	<b>Type</b>	<b>Power</b>	<b>MMSI</b>				
	<b>Communication Equipment</b>							
	<b>VSAT Antenna</b>	<b>Band</b>	<b>Modem</b>					
	2.4m dia Parabolic reflector	EX-C	Datum system M7LT Satellite Terminal					
	<b>DGPS</b>							
	<b>Transmitter Make</b>	<b>Frequency</b>	<b>Power Output</b>	<b>RS 1 ID</b>	<b>RS -II ID</b>	<b>Beacon ID</b>	<b>Date of commissioning</b>	<b>Date of Re capitalization</b>
12	<b>ऊर्जाकेसाधन/Source of energy</b>		<b>Mains</b>		Tamilnadu electricity board			
			<b>Power Source</b>		3 phase /440V AC supply			
			<b>Engine 1</b>		(NIL)			
	<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
			<b>Alternator</b>					
	<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
			<b>Engine 2</b>		(NIL)			
	<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
			<b>Solar Plant for Main light</b>					
	<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
	1 KW (24 V/250 W)	4 Nos	Access solar	12 Nos 2 V/ 1000 AH	01 No.			
			<b>Solar Plant for 2KW off grid (used in automation, street light and etc</b>					
	<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
	2 KW (24 V/ 250 W)	08 No.	HBL make	02 Nos 12V/200AH	01 No.			
13	<b>स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers</b>							
	<b>Make</b>	<b>Model</b>	<b>Capacity</b>	<b>Input</b>	<b>Output</b>	<b>Phase</b>	<b>Qty</b>	
	Globus	Servo controlled	5 KVA	170-270 V	230 V	1 phase	1 No	
14	<b>बैटरी</b>							

<b>Batteries</b>									
Equipment	Type	Make	Volt	Amp/ Hr	Qty				
PSS NAIS	-	-	-	-	-				
Genset	-	-	-	-	-				
Automation	-	-	-	-	-				
DGPS	-	-	-	-	-				
15	बैटरीचार्जर/ Battery charger								
Equipment	Make	Model	Type	Rating	Qty				
General Purpose	Associate engineer	-	-	0-30 V/ 30 A	1 No				
<b>16 इन्वर्टर Inverter /UPS</b>									
Equipment	Nos	Make	Model	Type	Rating	Qty	input	output	
Main Light	1 No	Hidal	---	Pure sine wave	1450 VA	1No	24 V/ DC & 230 V AC	230 VAC	
2 KW off grid	1 No	Glow power technologies	--	Pure sine wave	2500 VA	1No	48 V/ DC & 230 V AC	230 VAC	
17	<b>स्वचलन उपकरण Automation Equipment</b>								
MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band			
RDS	Allen Bradley	Renu electronics	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	5 kg	3	Ronak		
				Co2	2 Kg	1	Intime		
				Foam Type	9 Ltr	3	Excellent		
19	संचार <b>Communication</b>			BSNL telephone		04373-212421			
20	जलपूर्ति <b>Water Supply</b>			Local panchayath water supply and 2 Nos of well					
21	भूमि <b>Land</b>			Area		0.46 hectares			
				Demarcation		Not Available			
22	इमारतें <b>Buildings</b>			RCC Structure: 04 Nos		Power House-cum Office room, Inspection quarters, NA-II quarter and LHA quarter			
23	कंपाउंड लाइट <b>Compound Lights</b>			LED Light fitted on G.I Pole-06 Nos Garden light-1 No Gate light- 2 Nos					
24	सीसीटीवी कमेरा CCTV CAMERA			NIL					

25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Navigational Assistant Gr-II – 1 No
		2	Outsourced staff for Housekeeping- 1 No
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	Nearby Railway station is Thanjavur, Nearest airport is Tiruchirapalli airport, from Thanjavur to Mallipattinam by road about 70 KM From Pattukottai to Mallipattinam by road about 20 KM	
27	उपलब्धसुविधाए <b>Facilities available</b>	The nearest Post office local panchayat office, High School and Dispensary at Mallipattinam, Police Station are available at Sethubavachathiram.	
28	डाकपता <b>Postal address</b>	The Navigational Assistant Gr-I Mallipattinam Lighthouse, Near Manora, Pattukottai Taluk Thanjavur, Tamilnadu-614725	
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	2.05 crores	
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	15 <sup>th</sup> October 2010	