

## मास्टर लेजर/MASTER LEDGER

### पासीपट्टिनम दीपस्तंभ/Passipattinam Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0901.5	
2	स्थान/Position	Lat.9° 48'30" N , long 79° 04'71" E	
3	ऊंचाई/Elevation	49.00M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (3) W every10 sec (0.5+1.5+0.3+1.5+0.3+6.1=10)	
5	नॉटिकलमाइलमेदूरी Range in miles	19 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	RCC Circular Tower
		Height	49 M
		Colour Scheme	Red and White Horizontal Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	-
		Make	M/s-VEGA,
		Type	Revolving, Model-VRB-25-LED,SI.No.-810
		Size	-
		No. of lens	6
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	3.04° (Horizontal) 4.56° (Vertical)
		Duration of Flash Main /Standby/Emergency	0.5 sec
		Pedestal	-
		Rotation Device	-
		R.P.M.	3 r.p.m
		illuminating	
		Main	12 V DC
		Standby	-
		Emergency:	-
		Date of Installation	09.10.2005
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	17430 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	NAIS							
	Base Station							
	Model	Type	Power		MMSI			
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector	EX-C	Datum system M7LT					
	DGPS		Satellite Terminal					
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Re capitalization
12	ऊर्जाकेसाधन/ <i>Source of energy</i>	Mains			Tamilnadu electricity board			
		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 KW (36.7V/250W)	4 Nos	Access solar	12 Nos. 2 V/ 600 AH			
Solar Plant for 2KW off grid (used in automation, street light and etc								
Capacity PV	Numbers	Type	Battery	Bank				
2 KW (24 V/ 250 W)	08 No.	HBL make	12 Nos. 12V/200AH					
13	स्वचालितवोल्टेजस्टेबलाइजर <i>Automatic Voltage Stabilizers</i>							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	Globus	Sundry power system	5 KVA	170-270 V	230 V	1 phase	1 No	

14	बैटरी <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	AE & Velsine	-	-	0-40V / 40 A & 0-40V /80A	2 Nos.			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	out put
	Spare	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	स्वचलनउपकरण <b>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	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	2	Intime		
				Co2	2 Kg	1	Intime		
				Foam Type	9 Ltr	1	Intime		
19	संचार <b>Communication</b>			BSNL telephone			04561-299453		
20	जलपूर्ति <b>Water Supply</b>			Local panchayath water supply and 1 No of well (But water not supply here)					
21	भूमि <b>Land</b>			Area			4800Sq.Meters(120X40 Meters)		
				Demarcation			Not Available		
22	इमारतें <b>Buildings</b>			RCC Structure: 05 Nos			Power House-cum Office room, Inspection quarters , NA-I & NA-II quarter and LHA quarter		
23	कंपाउंडलाइट <b>Compound Lights</b>			LED Light fitted on G.I Pole-06 Nos Garden light-1 No Gate light- 2 Nos					

24	सीसीटीवीकमेरा CCTV CAMERA	NIL	
25	स्टाफ <i>Staff</i>	Sl. No	Designations
		1	Navigational Assistant Gr-II – 1 No
		2	Lighthouse attendant- 1 No
26	पहुँचनेकामाध्यम <i>Mode of approach</i>	Nearby Railway station is Ramnathapuram, Nearest airport is Madurai airport, from Ramanathapuram to Passipattinam by road about 51 KM From Thondi to Passipattinam by road about 13 KM	
27	उपलब्धसुविधाए <i>Facilities available</i>	The nearest Post office Passipattinam village, Government Primary & Junior School at Passipattinam, Police Station are available at S.P.Pattinam.	
28	डाकपता <i>Postal address</i>	The Navigational Assistant Gr-I Passipattinam Lighthouse, Passipattinam Via, Thondi, Ramanathapuram, Tamilnadu-623409	
29	मूल्यकाब्योरा <i>Cost details</i> (At the time of Construction)	97.00 Lakhs	
30	प्रवर्तनमेलानेकादेनांक <i>Date of commissioning</i>	9 <sup>th</sup> October 2005	