

मास्टर लेज़र/MASTER LEDGER
पूम्पुहार दीपस्तंभ/POOMPUHAR LIGHTHOUSE

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description		
1	ए.एल.ओ.एल/A.L.O.L.	F 0918		
2	स्थान/Position	lat 11° 08' 29" N, long 79° 51' 24" E		
3	ऊंचाई/Elevation	33.10 Meters (Above MSL)		
4	अभिलक्षण/Characteristic	Flash(4)every15seconds (0.35+2.2+0.35+2.2+0.35+2.2+0.35+7.0=15sec)		
5	नॉटिकलमाइलमेदूरी Range in miles	20 NM		
6	दीपस्तंभटावर/L.H.Tower	Type	RCC Octagonal Tower	
		Height	30 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 dioptric portion		
		Area of catadioptric portion		
		Divergence Main/Emergency	2.4° (Horizontal) 4.0° (Vertical)	
		Duration of Flash Main /Standby/Emergency	0.35 sec	
		Pedestal	-	
		Rotation Device	Inbuilt stepper motor with drive	
		R.P.M.	4 r.p.m	
		Illumining		
		Main	230V/150W Single ended Metal Halide Lamp	
		Standby	Separate Flasher device(150 W/ 230 V halogen lamp)	
Emergency:	-			
Date of Installation	15.10.2010			
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	170000 Cdls	
		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

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11	NAIS							
	Base Station							
	Model	Type	Power		MMSI			
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	Communication Equipment							
	VSAT Antenna	Band	Modem					
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	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	
							Date of Recapitalization	
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12	ऊर्जाकेसाधन/Source of energy	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 (24 V/250 W)	4 Nos	Access solar	12 Nos 2 V/ 1000 AH	01 No.		
	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)	8 Nos.	HBL make	12 Nos 12V/200AH	01 No.			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	Globus make	Servo controlled	5 KVA	170-270 V	230 V	1 phase	1 No	
	ITL -SVS	Servo controlled	5 KVA	170-270 V	230 V	1 phase	1 No	
14	बैटरी Batteries							
	Equipment	Type	Make	Volt	Amp/ Hr	Qty		

	PSS NAIS	-	-	-	-	-	-		
	Genset	-	-	-	-	-	-		
	Automation	-	-	-	-	-	-		
	DGPS	-	-	-	-	-	-		
15	बैटरिचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	Associate Engineer	-	-	0-40 V/15A	1 No			
	General Purpose	Velsine Tec			0-40 V/80A	1 No			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	out put
	Main Light	1 No	Geevi control system	---	Pure sine wave	1 K VA	1No	24 V/ DC & 230 V AC	230 VAC
	2 KW off grid	1 No	Glow power technologies	--	Pure sine wave	1 K VA	1No	48 V/ DC & 230 V AC	230 VAC
17	स्वचलनउपकरण Automation Equipment								
	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	5 kg	3	Ronak (2) / In-time(usha)-(1)		
				Foam Type	9 Ltr	3	Excellent (2)/ In-time(usha)-(1)		
19	संचार Communication			BSNL telephone		04364-260099			
20	जलपूर्ति Water Supply			Local panchayath water supply connected with a storage sump					
21	भूमि Land			Area		0.40 Hectare			
				Demarcation		Compound wall (N & S-40m, E & W-100m)			
22	इमारतें Buildings			RCC Structure: 04 Nos		Powerhouse-cum Office room, Inspection quarters, Nav. Asst. quarter and LHA quarter			
23	कंपाउंडलाइट Compound Lights			LED Light fitted on G.I Pole-06 Nos Garden light-1 No Gate light- 2 Nos					

24	सीसीटीवीकमेरा CCTV CAMERA	NIL	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Grade-I – 1 No
		2	Lighthouse Attendant- 1 No.
		3	Outsourced staff for Housekeeping- 1 No
26	पहुँचनेकामाध्यम Mode of approach	Nearby Railway station is at Sirkali (20 kms away) Nearest airport is at Puducherry (110 Kms away) Nearby Port is at Karaikkal (45 kms away)	
27	उपलब्धसुविधाए Facilities available	The nearest Post office local panchayat office, High School, Dispensary & Police Station & bus stand are available at Kaveripoompattinam within 2 Kms distances.	
28	डाकपता Postal address	Navigational Assistant Gr-I Poompuhar Lighthouse Kavery pattinam post Poompuhar -609105	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	2.05 crores	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	15 th October 2010	