

## मास्टर लेज़र/MASTER LEDGER

### वेम्बार दीपस्तंभ/ VEMBAR LIGHTHOUSE

क्रम संख्या / Sr. No	नाम / Name	विवरण / Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0737	
2	स्थान / Position	Lat. 9° 4.633'N Long. 78° 21.9' E	
3	ऊंचाई/Elevation	m (above MSL)	
4	अभिलक्षण/Characteristic	Flash (3) White Every 10 Seconds	
5	नॉटिकल माइल मे दूरी Range in miles	Luminous : 20 NM Geographical : 14 NM	
6	दीपस्तंभ टावर/L.H. Tower	Type	RCC Octagonal tower
		Height	30 m
		Colour Scheme	Black & White horizontal bands
7	ऑप्टिकल उपकरण Optical equipment	Optic	APRB-288AC-2PL-006 Rotating Beacon
		Make	Pharos Marine
		Type	Rotating Beacon
		Size	500mm
		No. of lens	3
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	Vertical divergence >2°
		Duration of Flash Main /Standby/Emergency	1.25 sec.flash period;3.75sec Dark period;6.25sec group(3)white flash in every 10 seconds
		Lamp changer-(pannels)	8 panels in octagonal form
		Pedestal	
		Rotation Device	Inbuilt stepper motor
		R.P.M.	6
		Illumining	230V, Single End Metal Halide Lamp 150W
		Main lamp	
Standby / Auxiliary	1 working & another one is standby 2 Lamps Philips make		
Emergency:			
Date of Installation	05/12/2016		
8	प्रभावी बीम तीव्रता / Effective beam intensity	Main & Standby	9,12,000 Candelas
		Emergency	
9		Diameter	2.4 Meter

	लैंटर्न/Lantern		Height of glazing						
			No. of panes		12				
			Ventilators		7				
10	RACON - NA-								
	Make	Model	Code		Band		Date of Installation		
	-	-	-		-		-		
11	NAIS								
	Base Station								
	Model	Type	Power		MMSI				
	Communication Equipment								
	VSAT Antenna Prodelin 2.4 meter								
	DGPS		-NA-		-		-		
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitulation	
	-	-	-	-	-	-	-	-	
12	ऊर्जा के साधन / Source of energy		Mains			EB Supply Three Phase 440 V, 50 Hz from TNEB			
			Standby						
			Solar Plant			4 KW OFF Grid Solar Power Plant			
			Inverter			Microtek 1600VA & Luminous 1650VA - 1 No. each			
			Capacity PV	Numbers		Type / Make	Battery	Bank	
				Solar Panel [250W / 31.18V (8 Nos.) & 260W / 45V (8 Nos.)]		Zytech solar panel / Waaree solar panel	Exide 1000A H/ 2V (24 Nos.)		
			Solar Plant for Main Light						
			Capacity PV	Numbers		Type	Battery	Bank	
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	Globus		5 KVA Servo	170 to 270 Volt	230 Volt		1		
	Globus		5 KVA Servo	170 to 270 Volt	230 Volt		1		
14	बैटरी / Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	Main Lamp	Tubular	Exide	2V	1000AH	24			
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15	बैटरी चार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	Battery charger	Globus		40 Amps	240 Volts	01			
	Automation							-	
16	इंवर्टर / यूपीएस /Inverter / UPS								
	Equipment	Nos.	Make	Model	Type	Rating	Qty	input	output
	Main Light		Luminous				1	1.56 KVA	
	Street lights		Microtek				1	1600 VA	
			Microtek				1	1600 VA	
		Luminous				1	1.56 KVA		
17	स्वचालन उपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
18	अग्निशमन उपकरण Fire Fighting Equipment		Type of extinguisher		Capacity	Nos .	Make		
			wall mounted fire extinguisher ABC type		6 Kg	03	P/w/of/war/ service room		
			Clean agent modular type fire extinguisher		5 kg	02 P/W			
			Smoke detector battery type		4/nos	power house			
19	संचार <b>Communication</b>		BSNL Phone			04638-210260			
20	जलपूर्ति <b>Water Supply</b>		Local Purchase						
21	भूमि <b>Land</b>		0.1689 Hectare						
22	इमारतें <b>Buildings</b>		1.Navigational Assistant qtrs 2 nos 2. compound walls 3. Inspection qtrs			Brick work			
23	कंपाउंड लाइट <b>Compound Lights</b>		Street lights - 7 Nos., Gate light - 1 No., Garden Light - 1 No.						
24	सीसीटीवी कैमरा / CCTV CAMERA		NA						
25	स्टाफ <b>Staff</b>		Navigational Assistant Grade-III (1 No.) & Housekeeping Contract Labour (1 No.)						

26	पहुँचने का माध्यम <b>Mode of approach</b>	By Bus
27	उपलब्ध सुविधाएं <b>Facilities available</b>	Nearest post office, local panchayat office, high school, Dispensary at vembar and police station are available at soorangudy.
28	डाक पता / <b>Postal address</b>	The Navigational Assistant, Vembar Lighthouse, Vembar Post, Tuticorin District, Pin:628906
29	मूल्य का ब्योरा / <b>Cost details</b> (At the time of Construction)	NA
30	प्रवर्तन में लाने का दिनांक <b>Date of commissioning</b>	19-NOV-2017