

## मास्टर लेज़र/MASTER LEDGER

### चेन्नई दीपस्तंभ/CHENNAI LIGHTHOUSE

क्रम संख्या/ Sr. No.	नाम/Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0936	
2	स्थान/Position	Lat 13 ° 02' 22" N, Lon 80 ° 16' 51" E	
3	ऊंचाई/Elevation	58 M above MSL	
4	अभिलक्षण/Characteristic	White Group Flash (2) Every 2 Sec (0.57+1.93+0.57+6.93)	
5	नॉटिकल माइल मे दूरी/ Range in miles	(i) Luminous - A.T.F. 0.74 @ 22 NM A.T.F. 0.84 @ 35 NM  (ii) Geographical - 19.3 NM	
6	दीपस्तंभ टावर/L.H.Tower	Type	Triangular PRISM – RCC tower
		Height	45.72 Meter
		Colour Scheme	Red & White – Horizontal band
7	ऑप्टिकल उपकरण/ Optical equipment	Optic /Type	3rd Order Revolving Optic.
		Make	B.B.T
		Size	375 mm (3rd Order Small) Revolving
		No. of lens / Panels	4
		Area of dioptric portion	1518 Sq.cm (Corrected area 1077.8 Sq.cm)
		Area of catadioptric portion	4220 Sq.cm (Corrected area 3503 Sq.cm)
		Divergence Main Lamp	6 ° 00' (Horizontal) 2 ° 00'(Vertical)
		Duration of Flash Main	10 sec
		Pedestal	Mercury Float

		Rotation Device	Stepper Motor				
		R.P.M.	3 R.P.M				
		illuminating					
		Main	Cluster of 3 Nos. of 150 Watt/230 V AC MH Lamps.				
		Standby	-				
		Emergency	-				
		Date of Installation	12-03- 2007Conversion from incandescent equipment to MH lamp(Cluster)				
प्रभावी बीम तीव्रता/ <b>Effective beam intensity</b>	Main	2,30,983 Candelas					
	Emergency	-					
लैंटर्न/Lantern	Diameter	2.5 Meter					
	Height of glazing	1.30 Meter					
	No. of panes	20 Nos.					
	Ventilators	9 Nos.					
8	<b>रेकोन/RACON</b>		Sr. No.				
	<b>Make</b>	<b>Model</b>	<b>Code</b>	<b>Band</b>	<b>Date of Installation</b>		
	WM (Wealth Marine ) Pvt Ltd., Singapore	WM RB IISI.No.RB 2-0093	K	X-Band 9300-9500 Mhz	19-11-2010		
9	<b>एनएआईएस/NAIS</b>						
	<b>Base Station</b>		R 40 Base Station SI.No.5371 & 5235				
	<b>Model</b>	<b>Type</b>	<b>Power</b>	<b>MMSI</b>			
	SAAB						
	<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					
10	ऊर्जा के साधन/ <b>Source of Energy</b>	Mains			Tamilnadu Electricity Board		
		Power Source			3 Phase /440V AC Supply		
		Engine 1 :- Installed On : 16-04-2011					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Kirloskar / Modal HA694	1 No.	50 KVA / 65 HP	Six	1500	Air Cooling
		Alternator					
		Make/Type	Qty	Rating	Voltage/ Amp	Frequenc y	Phase
		Sun Been Generators	1 No.	50 KVA	415 V	50Hz	3 Phase
		Engine 2 (NIL)					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling

	Solar Plant for Main light :- 3 KWp installed on 29 <sup>th</sup> December 2016								
	Capacity PV	Numbers	Type	Battery	Bank				
	OC V – 36 V V max – 31.0 V I max - 8.1 Amps SCC - 8.80 Amps.	12 Nos.	Off Grid	Exide make 12 V / 200 AH	01 No.				
	Solar Plant for 2KW off grid (used in automation, street light and etc : NIL								
	Capacity PV	Numbers	Type	Battery	Bank				
<b>11</b>	<b>स्वचालित वोल्टेज स्टेबलाइजर/Automatic Voltage Stabilizers</b>								
	Make	Model	Cap acity	Input	Output	Phase	Qty		
<b>LB</b>	Globus	Servo controlled	7.5 KVA	170-230 V	230 V	1 phase	1 No		
<b>Lift</b>	Geevi Control Systems	Servo controlled	20 KVA	170-270 V	400 V AC	3 Phase	1 No.		
<b>12</b>	<b>बैटरी/Batteries</b>								
	Equipment	Type	Make	Volt	Amp/ Hr	Qty	Remarks		
	PSS NAIS	-	-	-	-	-			
	Genset	Lead Acid Sealed	Exide	12 V DC	150A H	1 No.			
	Automation / UPS	Lead Acid	Exide	12 VDC	150A H	1 No.	Standby Supply for Main Light.		
	DGPS	-	-	-	-	-			
<b>13</b>	<b>बैटरी चार्जर/Battery Charger</b>								
	Equipment	Make	Mod el	Type	Ratin g	Qty			
	General Purpose	Velsine	-	-	0-40 V/ 80 A	1 No			
<b>14</b>	<b>इंवर्टर/यूपीएस/Inverter/UPS</b>								
	Equipme nt	No s	Make	Model / Sl.No.	Type	Rating	Qty	input	output
	Main Light	1 No	UTL	---	Pure sine wave	800 VA	1No	24 V/ DC & 230 V AC	230VAC
	RACON	1 No	Lumin ous	59FA92C1 060952	Pure sine wave	850 VA	1No	12 V/ DC & 230 V AC	230VAC- For charging of Batter
	Solar Inverter	1 No.	Hykon	SPP3000	Pure sine wave	5 KVA	1 No.	48 V/ DC & 230 V AC	230V AC
<b>15</b>	<b>स्वचालन उपकरण/Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen Bradley	RDS electronics	24 V DC	1.2 m dia Parabolic	Hughe s	EX.C		

				reflector	
16	<b>लिफ्ट/Lift</b>				
	Equipment	Floor Covered	Passenger Capacity	Qty.	Installed ( New lift )
	Make : Kone Elevtors India Private Ltd., SI.No.40349341	Ground to 9th Floor	13 Nos. or 884 Kg Max.	1 No.	10-11-2013
17	<b>नावटेक्स मॉनिटर/NAVTEX Monitor</b>				
	Particulars & Sl. No. of Equipment	Quantity	Installed on	Remarks	
	NAVTEX RECEIVER SIRUS - 3 with Antenna SI.No.A1320362	01 No.	20-01-2016	Monitor installed at Office and Antenna at 3rd Floor	
18	<b>एयर कंडीशनर/Air Conditioners – 8 Nos.</b>				
	Particulars	Quantity	Installed at	Installed On	
	Voltas Split A/c Capacity : 1.5 Ton	1 No.	1st Floor IQ Hall	12-05-2018	
	Blue Star Split A/c Capacity : 1.5 Ton	1 No.	1st Floor IQ Bed Room	18-12-2018	
	Blue Star Split A/C Capacity : 1.5 Ton	1 No.	2nd Floor Big Room - Hall	18-12-2018	
	Hitachi Split A/C 1.5 Ton	1 No.	2nd Floor Big Room - Bed Room	27.04.2012	
	Voltas Split A/c Capacity : 1.5 Ton	1 No.	2nd Room Small Room./ Old A/C from PL Office	26.06.2018	
	Museum Cassette type 2 Ton	3 Nos.	Museum	18-09-2013	
19	<b>स्टैटिक सेंसर/Static Sensor</b>				
	Particulars &	Quantity	Installed at	Installed On	
	Static Sensor Equipments TX/ RX, ATU Unit, Scanner Antenna etc.,	1 Set.	Service Room / Lighthouse Top and Powerhouse.	December 2012	
20	<b>संग्रहालय/Museum</b>				
	Items	Quantity	Established		
	Lighthouse Technical Museum Various items including Light beacon Model 3rd Order BBT Including Lantern Assembly , PRB-42 and 300 mm Flasher Equipment	49 Nos.	01		
Touch Screen Kiosk with Computer Assembly and LED Samsung Smart TV Monitor 56"	1 Set	02			
21	<b>कार्यालय डेस्कटॉप कंप्यूटर संबद्ध सहायक उपकरण के साथ/Office Desktop Computer with allied accessories</b>				
	Items	Quantity	Installed On		
	Dell Make -OptiPlex 3280 All-in-One Desktop SI.No. CN-0WT65G-PE200-0AR-0697-A00 DP/N 0WT65G	1 Set.			

	HP LaserJet M1136 MFP Printer (Print, Scan, Copy) Sl.No.CNJKL36B1H	1 No.			
22	आग्निशमन उपकरण/ <b>Fire Fighting Equipment</b>	Type of Extinguisher	Capacity	Nos	Make
		DCP Type	2 kg	4	ABC
		Co2	2 Kg	4	Excellent
		Co2	4.5 Kg	2	Excellent
23	संचार/ <b>Communication</b>	BSNL telephone	044- 29515598		
		Email ID :	madraslighthouse@gmail.com		
24	जलपूर्ति/ <b>Water Supply</b>	(i) Chennai Metro Water Connection No. CMC No. 09-125-90005-4C0. (ii) Open well – 1 No. Both source of Water pumped into Overhead water (RCC) tank with 3000 Liter capacity.			
25	भूमि/ <b>Land</b>	Area	0.079 Hectares.		
		Demarcation	Not Available		
26	इमारतें/ <b>Buildings</b>	RCC Structure: 05 Nos.	(i) One unit of Office, Powerhouse, Museum and Inspections Qtrs.at 1st & 2nd Floor attached to Lighthouse Tower. (ii) Store Room – 1 No. (iii) Staff Room - 1 No. (iv) Public Toilet - 1 No. (For Gents and Ladies separately ) (v) Security Room – 1 No.		
27	कंपाउंड लाइट/ <b>Compound Lights</b>	(i) 5 Nos. LED Street Light (ii) 4 Nos. LED Garden Light			
28	सीसीटीवी कैमरा / <b>CCTV CAMERA</b>	2MP IP Bullet Camera with allied accessories - 21 Nos.		Installed On 31-03-2022	
		4TB Hard Drive – 1 No. & 2 Nos. - 22 “ Benq Monitors			
29	स्टाफ/ <b>Staff</b>	Sl. No.	Designations		
		1	Navigational Asst. Gr.I - 2 Nos.		
		2	Navigational Asst. Gr.II - 1 No.		
		3	Lighthouse Attendant – Nil		
		4	Outsourced staff for Housekeeping- (i) Field Assistant – 2 Nos. (ii) Security – 3 Nos (Ex-Servicemen) (iii) Housekeeping – 1 No. (iv) Visitors Regulating Purpose – 4 Nos.		
30	पहुँचने का माध्यम/ <b>Mode of approach</b>	(i) By Flight up to Chennai International Airport, Meenambakkam and then 20 Kms by road. (ii) By Rail up to Chennai Egmore Railway Station or Chennai Central Railway Station and then by road for 6.3 Kms and 6.8 Kms respectively.			
31	उपलब्ध सुविधाएं/ <b>Facilities available</b>	Post Office - 1.7 Kms. Police Station - 100 Meters Hospital – 2.2 Kms (CSI Kalyani Multispecialty Hospital) CGHS Dispensary – 3.7 Kms (Port Trust Quarters)			

		Fire Station – 600 meters (Kailasapuram, Mylapore)
32	डाक पता/Postal address	The Navigational Asst. Gr-I, Chennai Lighthouse , No.4, Kamarajarsalai, Mylapore, Chennai -600 004
33	मूल्य का ब्योरा/Cost details (At the time of Construction)	
34	प्रवर्तन में लाने का दिनांक/ Date of commissioning	10-01-1977