

मास्टर लेज़र/MASTER LEDGER

महाबलीपुरम दीपस्तंभ/Mahabalipuram Lighthouse			
क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	0932	
2	स्थान/Position	Lat.12° 53.6' N , long 80° 20.3' E	
3	ऊंचाई/Elevation	48.40M (Above MSL)	
4	अभिलक्षण/Characteristic	FL (1) W 10 Sec (fl 0.4)	
5	नॉटिकल माइल मे दूरी/ Range in miles	18.9 NM	
6	दीपस्तंभ टावर/L.H. Tower	Type	Circular Stone Masonary
		Height	26 M
		Colour Scheme	No Day mark painting
7	ऑप्टिकल उपकरण/ Optical equipment	Optic	2 nd order catadioptric
		Make	M/s Chance Bros, England.
		Type	Revolving
		Size	700 mm
		No. of lens	3 Panels of 120° Each
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	Horizontal : 5° 33'55" Vertical : 2° 56'46"
		Duration of Flash Main /Standby/Emergency	0.4 sec
		Pedestal	Mercury Float (130 Kg) Approx.
		Rotation Device	Dual stepper motor assembly of 40 Kg/Cm ²
		R.P.M.	2 r.p.m
		Illuminant	LED Lamp
		Main Lamp	236W Lamp (5*25 LED Array) Kwik Lite LED Driver (160-265V AC / 24V DC)
		Standby	-
		Emergency:	-
		Date of Installation	19.08.2020
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	7,50,644 cds
		Emergency	-
9	लैंटर्न/Lantern	Diameter	3.65 m
		Height of glazing	1.83 m

		No. of panes	32 Nos, 12 No's Blanked with metal sheet at land side					
		Ventilators	12 Nos					
10	रेकोन/RACON		Sr. No					
	Make	Model	Code	Band	Date of Installation			
11	एनएआईएस/NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	SAAB System VHF Transceiver 156 – 162.5 MHz	R40	Input : 100-240V AC / 24V DC Load : 2 W / 12.5 W	004194424				
	Communication Equipment							
	VSAT Antenna	Band	Modem					
			Leased Line (Router & Modem)					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recaptalization
12	ऊर्जा के साधन/Source of Energy	Mains		Tamilnadu Electricity Board				
		Power Source		3 phase /440V AC supply				
		Engine 1						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
	Kirloskar	1	32 HP	3 No's	1500	Air		

	Alternator								
	Make/Type	Qty	Rating	Voltage/ Amp	Frequency	Phase			
	Kirloskar	1	20 KVA	230V/86.9A	50Hz	1 phase			
	Engine 2 (NIL)								
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling			
	Solar Plant for Main light								
	Capacity PV	Numbers		Type	Battery	Bank			
	2.5 KW (24 V/255 W)	10 Nos		Access solar	12 Nos 2 V/ 900 AH	01 No.			
	Solar Plant for 2KW off grid (used in automation, street light and etc)								
	Capacity PV	Numbers		Type	Battery	Bank			
13	स्वचालित वोल्टेज स्टेबलाइजर/ Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	ITL	Servo controlled	5KV A	170-270 V	230 V	1 phase	2 No		
14	बैटरी/Batteries								
	Equipment	Type	Make	Volt	Amp /Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	Led Acid Battery	Exide	12V	150A H	1			
	Automation	-	-	-	-	-			
	DGPS	-	-	-	-	-			
15	बैटरी चार्जर/Battery Charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	Aplab	-	-	0-30 V/ 30 A	2 No			
16	इंवर्टर/यूपीएस/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	o ut

									put
	Main Light	2 No	Geevi Control Systems	---	Pure sine wave	1000 VA	2No	170-270 VAC	230 VAC
	2 KW off grid	--	--	--	--	--	--	--	--
17	स्वचालन उपकरण/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	अग्निशमन उपकरण/ Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg 2 Kg	7 1	Bharat -6, Intime -1 Bharat safety first		
				Co2	2 Kg 4.5 Kg	3 1	Intime-1,Excellent-2 Excellent		
				Fire Buckets – Metal	5 Ltrs	3			
19	संचार/ Communication			BSNL telephone		044-29994855			
20	जलपूर्ति/ Water Supply			1. Open well with overhead tank of 7000 Ltrs capacity, pump 2Hp submersible. 2. Municipal water stored in open well					
21	भूमि/ Land			Area		14.805 hectares			
				Demarcation		Compound Wall at 4 Sides			
22	इमारतें/ Buildings			10 No's of Building		Lighthouse Tower, Oil Room, Power House-cum Office room, Inspection quarters, Recreation room, Twin Quarters (NA-I quarter, NA-II Quarter), Heritage Museum, Maritime Museum Building, Pump House with RCC OH tank, NA-II quarter, Toilet Building and Old Store room.			

23	कंपाउंड लाइट/ Compound Lights	LED Light fitted on G.I Pole-07 No's Garden light-15 No's Gate light- 4 No's	
24	सीसीटीवी कैमरा/ CCTV CAMERA	20 Camera, 3 DVR	
25	स्टाफ/ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-I – 1 No
		2	Navigational Assistant Gr-II – 2 No's
		3	Outsourced staff for Housekeeping- 1 No Outsourced staff for Security - 1 No Outsourced staff for Visitors Handling - 3 No's
26	पहुँचने का माध्यम/ Mode of approach	Nearby Railway station is Chengalpattu, Nearest airport is Chennai airport, from Chengalpattu by road about 30 KM From Chennai by road about 55 KM	
27	उपलब्ध सुविधाएं/ Facilities available	The nearest Post office, local panchayat office, High School, Primary Health Centre, Police Station, Bank are available at Mahabalipuram.	
28	डाक पता/ Postal address	The Navigational Assistant Gr-I Mahabalipuram Lighthouse, Mahabalipuram Post, Thirukazhukundram Taluk Chengalpattu Dist, Tamilnadu-603104	
29	मूल्य का ब्योरा/ Cost details (At the time of Construction)	Rs.49920/-	
30	प्रवर्तन में लाने का दिनांक/ Date of commissioning	March 1901	