

## मास्टर लेजर/MASTER LEDGER

### धनुषकोडी दीपस्तंभ/Dhanushkodi Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.		
2	स्थान/Position	Lat.09° 10' 39.254" N, Long. 79° 25' 7.424" E	
3	ऊंचाई/Elevation	53 M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (3) W 20 sec	
5	नॉटिकलमाइलमेदूरी Range in miles	Luminous Range : 15 NM	Geographical Range : 18 NM
6	दीपस्तंभटावर/L.H.Tower	Type	Octagonal tower
		Height	49 M
		Colour Scheme	Red and White Chequered Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	BBT
		Type	Revolving
		Size	250 mm
		No. of lens	3
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	5.7° (Horizontal) 5.7° (Vertical)
		Duration of Flash Main /Standby/Emergency	0.75 Sec
		Pedestal	Mercury float
		Rotation Device	Stepper motor
		R.P.M.	3 RPM
		Illuminant	
		Main	230V/132W LED Illuminant
		Standby	---
		Emergency:	---
Date of Installation/Inauguration	14-05-2022		
8	प्रभावीबीमतीव्रता Effective beam intensity	Main	18000 cds
		Emergency	
9	लैंटर्न/Lantern	Diameter	3.0 m
		Height of glazing	1.09 m
		No. of panes	12
		Ventilators	12
10	RACON	Sr. No	N/A

	Make	Model	Code	Band	Date of Installation			
11	<b>NAIS</b>							
	<b>Base Station</b>		N/A					
	<b>Model</b>	<b>Type</b>	<b>Power</b>	<b>MMSI</b>				
	N/A	N/A	N/A	N/A				
	<b>Communication Equipment</b>							
	N/A	N/A	N/A	N/A	N/A			
	<b>DGPS</b>							
	<b>Transmitter Make</b>	<b>Frequency</b>	<b>Power Output</b>	<b>RS 1 ID</b>	<b>RS -II ID</b>	<b>Beacon ID</b>	<b>Date of commissioning</b>	<b>Date of Re capitalization</b>
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	<b>ऊर्जाकिसाधन</b> <b>Source of energy</b>	<b>Mains</b>			N/A			
<b>Power Source</b>				Solar Power 385 W/24 V × 13 Panels 3 Phase DG Set 20 KVA, Make: Kirloskar				
<b>Engine 1</b>								
<b>Make/Type</b>		<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
Kirloskar		1	32 BHP	3	1500	Air		
<b>Alternator</b>								
<b>Make/Type</b>		<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
Kirloskar		1	20 KVA	415V/27.8 A	50Hz	Three		
<b>Engine 2</b>								
<b>Make/Type</b>		<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
Kirloskar		1	32 BHP	3	1500	Air		
<b>Alternator</b>								
<b>Make/Type</b>		<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
Kirloskar		1	20 KVA	415V/27.8 A	50Hz	Three		
<b>Solar Plant (Off Grid)</b>								
<b>Capacity PV</b>	<b>Number of Solar Panels</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
5 KWp	13 Nos.		Mono Crystalline	16 Nos. 12 V/200 AH	96 V/400 AH			
13	<b>स्वचालितवोल्टेजस्टेबलाइजर</b> <b>Automatic Voltage Stabilizers</b>							

	Make	Model	Capacity	Input	Output	Phase	Qty		
	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
14	<b>बैटरी</b> <b>Batteries</b>								
	<b>Equipment</b>	<b>Type</b>	<b>Make</b>	<b>Volt</b>	<b>Amp. Hr.</b>	<b>Qty</b>			
	<b>Genset</b>	Lead acid	KOEL	12V	75 AH	2 Nos.			
	<b>UPS (Main Light)</b>	Tubular Lead acid	Exide	12 V	200 AH	16 Nos.			
	<b>Automation</b>	---	---	---	---	---			
	<b>DGPS</b>	---	---	---	---	---			
15	<b>बैटरीचार्जर/ Battery charger</b>								
	<b>Equipment</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>			
	General Purpose	---	---	---	---	---			
	Automation	---	---	---	---	---			
16	<b>इंवर्टर/Inverter /UPS/SPCU</b>								
	<b>Equipment</b>	<b>Nos</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>	<b>Input</b>	<b>Output</b>
	<b>Main Light</b>	01	Power One	SPCU502P08	Pure sine wave	5 KVA	1 No.	96 V DC	230 V AC
17	<b>स्वचलनउपकरण</b> <b>Automation Equipment</b>								
	<b>MAKE</b>	<b>PLC</b>	<b>HMI</b>	<b>Power Supply</b>	<b>VSAT</b>	<b>Modem</b>	<b>Band</b>		
	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
18	<b>आग्निशमनउपकरण</b> <b>Fire Fighting Equipment</b>			<b>Type of Extinguisher</b>	<b>Capacity</b>	<b>Nos</b>	<b>Make</b>		
				DCP Type					
				Co2					
				Foam Type					
19	<b>संचार</b> <b>Communication</b>								
20	<b>जलपूर्ति</b> <b>Water Supply</b>			Rain Water Sump - 1 No. (Fitted with 1 HP Motor).					
21	<b>भूमि</b> <b>Land</b>			<b>Area</b>			0.15 hectare		
				<b>Demarcation</b>			RCC Wall		
22	<b>इमारतें</b> <b>Buildings</b>			1. Allied Building comprising of Office, Power House, Store Room, Operator's Rooms and IQ. 2. Security Room.					
23	<b>कंपाउंडलाइट</b> <b>Compound Lights</b>			LED Street Lights fitted on G.I Pole - 4 Nos, LED Garden Light – 1 No. LED Gate Light – 2 Nos.					
24	<b>सीसीटीवीकमेरा</b> <b>CCTV CAMERA</b>			<b>Camera</b>		Bullet Camera - 21 Nos. & PTZ Camera – 1 No.			
				<b>NVR</b>		1 No.			
25	<b>स्टाफ</b> <b>Staff</b>			<b>Sl. No.</b>		<b>Designations</b>			
				1		Touring Staff – 2 Personnel.			
26	<b>पहुंचनेकामाध्यम</b> <b>Mode of approach</b>			By rail up to Rameswaram and then by road 21 Kms up to Lighthouse.					
27	<b>उपलब्धसुविधाएँ</b> <b>Facilities available</b>			Post Office within a Km.					

28	डाकपता <b>Postal address</b>	Dhanushkodi Lighthouse, Rameswaram Post, Ramanathapuram District, Tamil Nadu State Pin: 623 526.
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	7.09 Crores
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	14.05.2022