

मास्टर लेजर/MASTER LEDGER

मणप्पाड प्वाइंट दीपस्तंभ/Manapad Point Lighthouse

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0730	
2	स्थान/Position	Lat : 8°22'.3" N Lon : 78°03'9" E	
3	ऊंचाई/Elevation	45M	
4	अभिलक्षण/Characteristic	Group Flash 2(White)every 10Sec's (F1: 0.187+sec.2.376+F1:0.187+sec.7.250)	
5	नॉटिकलमाइलमेदूरी Range in miles	Luminous : 26 NM Luminous : 18 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Masonry Tower
		Height	18 M
		Colour Scheme	Red & White Spiral Bands (diagonal strips)
7	ऑप्टिकलउपकरण Optical equipment	Optic	3 rd Order Large (F.D 500mm)
		Make	Chance Bros
		Type	Revolving Optic
		Size	500mm
		No. of lens	2
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence	Horizontal : 6°44' Vertical : 6°16'
		Duration of Flash Main /Standby/Emergency	(F1: 0.187+sec.2.376+F1:0.187+sec.7.250)
		Pedestal	Mercury Float (93.2 Kgs. In use)
		Rotation Device	40 kg/sq.cm Stepper Motor with Drive controller.
		R.P.M.	6 RPM
		illuminating	Cluster of 3x150w,230v, MH Lamp
		Main	Cluster/ Single ended (3No's)
		Standby	-
Emergency:	-		
Date of Installation	Dec - 2013		
गिट्टी विवरण / Ballast Details			
	No. of Ballast & Make	3 No's & Kwik lite	
	Wattage of Ballast	150W	
8	Main	3,36,294 Cds	

	प्रभावीबीमतीव्रता/Effective beam intensity	Emergency	-						
9	लैंटर्न/Lantern	Diameter	3.65M						
		Height of glazing	1.54M						
		No. of panes	32 Glass panes in 2 tiers						
		Ventilators	14 No's						
10	RACON		Sr. No						
	Make	Model / SL.No	Code	Band	Date of Installation				
	Pharos Marine Automation power PMAPI RACON	S.No: II-X-201607-04	G-Code	X-Band	Sep - 2016				
11	NAIS								
	Base Station								
	Model	Type	Power	MMSI					
	SAAB-R-40 AIS Base station								
	Communication Equipment								
	VSAT Antenna	Band	Modem						
	2.4m dia Parabolic reflector	EX-C	Datum-Psm-Modem						
	DGPS								
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization	
	-	-	-	-	-	-	-	-	
	12	ऊर्जाकेसाधन/Source of energy	Mains		Tamilnadu electricity board				
Power Source			3 phase /440V AC supply						
Engine 1 (S.No 02-8301/1522414)									
Make/Type			Qty	Rating	No of Cylinder	RPM	Cooling		
KOEL			1	20 HP	2	1500	Air		
Alternator (S.No: CS1S115GPO96644)									
Make/Type			Qty	Rating	Voltage/Amp	Frequency	Phase		
KOEL			1	15 KVA	230 V	50 Hz	3 Phase		
Engine 2 Nil			(NIL)						
Make/Type			Qty	Rating	No of Cylinder	RPM	Cooling		
ON Grid Solar Plant									
Capacity PV	Numbers	Type	Battery	Bank					
25 KWH (36 V/250 W)	100 Nos	Zytech	-	-					
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		

	ITL	Servo controlled	7.5 KVA	180-270 V	230 V	1 phase	1 No		
	Globus	Servo controlled	7.5 KVA	170-270 V	230 V	1 phase	1 No		
14	बैटरी <i>Batteries</i>								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	Genset	SMF	Exide	12 V	90	1			
	Light Beacon	SMF	Exide	12 V	150	4			
	Stepper Motor	SMF	Exide	12 V	150	1			
	RACON	SMF	Exide	12 V	100	1			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	Associate engineer	-	-	0-50 V/ 50 A	1 No			
16	इंवर्टर/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output
	UPS	3	UTL	-	-	1000/800 W	3	12V DC	230V AC
	UPS	1	LUMINOUS	-	-	850W	1	12V DC	230V AC
17	स्वचलनउपकरण <i>Automation Equipment</i>								
	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 <i>Fire Fighting Equipment</i>			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	1	Intime		
				Co2	2 Kg	3	Intime		
				Co2	4.5 Ltr	4	Intime		
19	संचार <i>Communication</i>		BSNL telephone with Broad Band facility			04639-210629			
20	जलपूर्ति <i>Water Supply</i>		Open Well with 7.5 HP Three phase centrifugal pump. Water is pumped into RCC overhead tank of 7000 litres capacity. <u>Water sump available for rain storage :-</u> Single phase Mono block pump (1HP) connected for emergency storage in 2 no's of 1000 Litres PVC O/H Tanks provided in office & Inspection Quarter's						
21	भूमि <i>Land</i>		Area			3.730 hectares			
			Demarcation			Not Available			
22	इमारतें <i>Buildings</i>		RCC Structure: 04 Nos			Power House-cum Office room, Inspection quarters, LHA and LHS quarters			
			Lime stone Structure: 03 Nos			NA-I, NA-II and NA-III quarters			

23	कंपाउंडलाइट Compound Lights	LED Light fitted on G.I Pole-07 Nos Gate light- 2 Nos	
24	सीसीटीवीकमेरा CCTV CAMERA	NIL	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-I – 1 No
		2	Navigational Assistant Gr-II – 1 No
		3	Outsourced staff - 6 Nos
26	पहुँचनेकामाध्यम Mode of approach	Nearby Railway station is Thiruchendur, Nearest airport is Thoothukudi Airport, from Thiruchendur to Manapad by road about 18 KM From Thoothukudi to Manapad by road about 58 KM	
27	उपलब्धसुविधाए Facilities available	The nearest Post office local panchayat office, High School and Dispensary at Manapad, Police Station are available at Kulasekarapattinam.	
28	डाकपताPostal address	The Navigational Assistant Gr-I Manapad Lighthouse, Manapad post, Thiruchendur Taluk Thoothukudi District, Tamilnadu-628209	
29	मूल्यकाब्योराCost details (At the time of Construction)	Not known	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	1888	
	कोई अन्य महत्वपूर्ण जानकारी Any other important information:	<p>Static sensor equipment's & RADAR installed in 2012 by M/s. BEL of Indian Coast Guard in a separate Trestle tower. Separate Power room is constructed by M/s. BEL for keeping the Power supply related equipment's. Separate 30 KVA/ 3Phase 440V – Gen-set is provided for Standby power supply. V SAT Dish and Fiber optic cable leased line with Modem facility provided for remote monitoring by the control Stations.</p>	