

मास्टर लेज़र/MASTER LEDGER

पुलिकट दीपस्तंभ और डीजीपीएस स्टेशन/ Pulicat Lighthouse and DGPS Station

क्रम संख्या/ Sr. No	नाम/Name	<u>विवरण/Description</u>	
1	ए.एल.ओ.एल/A.L.O.L.	F 0950	
2	स्थान/Position	Lat.13° 25' N, Long 80° 20' E	
3	ऊंचाई/Elevation	53.5M (49.86 Mtrs. Above MSL)	
4	अभिलक्षण/Characteristic	Single FL (1) WHITE Every 5 Seconds (0.25 + 4.75)	
5	नॉटिकल माइल में दूरी/ Range in mile	26 NM (Luminous) 19 NM (Geographical)	
6	दीपस्तंभ टावर/L.H. Tower	Type	Hexagonal RCC Tower
		Height	49.86 Metres above MSL (53.5 Meters elevation)
		Colour Scheme	Black and White Bands
7	ऑप्टिकल उपकरण/ Optical Equipment	Optic	Rotating Beacon
		Make	M/S Mediterrane Senales Maritimas(MSM)
		Type	Rotating Beacon
		Size	MBR300
		No. of panels	6
		Area of dioptric portion	Moulded acrylic Fresnel Lenses,6 lens panels with dioptric and catadioptric prisms with 105 mm Focal Distance
		Area of catadioptric portion	
		Divergence Main/Emergency	
		Duration of Flash Main /Standby/Emergency	0.25 Sec
		Pedestal	
		Rotation Device	Brushless DC Direct-Drive motor(step by step)
		R.P.M.	2 RPM
		Illumining	
		Main	230V/150W Metal Halide Lamp
		Standby	230V / 500Watt Pencil beam Lamp
		Emergency:	-----
		Date of Installation	05.06.2014
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	165900 Candela
		Emergency	
9	लैंटर्न/Lantern	Diameter	3.0 m
		Height of glazing	2.0m
		No. of panes	12

		Ventilators	11								
10	रेकोन/RACON		Sr. No								
	Make	Model	Code		Band	Date of Installation					
	Tideland	Sea Beacon 2 Type Sys 6	B		X/S Band	18.08.2004					
11	एनएआईएस/NAIS										
	Base Station		AIS Base station (SAAB-40) Sr. No:5220 AIS Base station (SAAB-40) Sr. No:5230								
	Model	Type	Power		MMSI						
	---	----	AC-230V & DC-12V		----						
	Communication Equipment										
	VSAT Antenna	Band	Modem								
	2.4m dia Parabolic reflector	C Band	Hughes Satellite Modem								
	DGPS										
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recaptialization			
	Nautel Vector D750	319 KHz	500 Watts	430	431	115	18.11.03	06.11.19			
12	ऊर्जा के साधन/Source of Energy		Mains			Three phase TNEB Supply					
			Power Source			DG Set 20 KVA make Kirloskar					
			Engine 1								
			Make/Type		Qty	Rating	No of Cylinder		RPM	Cooling	
			Kirloskar/HA 394		1	32HP 20 KVA	3		1500	Air	
			Alternator								
			Make/Type		Qty	Rating	Voltage/Am p		Frequency	Phase	
			Kirloskar		1	20 KVA	230V		50Hz	Single	
			Engine 2								
			Make/Type		Qty	Rating	No of Cylinder		RPM	Cooling	
Kirloskar/ HA394		1	32HP	3		1500	Air				

				20KV					
	Alternator								
	Make/Type	Qty	Rating	Voltage/Am p	Frequency	Phase			
	Kirloskar	1	20 KVA	230V	50Hz	Single			
	Solar Plant for Main RACON								
	Capacity PV	Numbers	Type	Battery	Bank				
	70 W/12V	01 No.	----	1 No Exide SMF 12V/100AH	01 No.				
	The Grid connected Solar Power Plant 25 KW								
	8.57A, 36.80V,315W,1000 VDC	80 Nos. Make- Emmvee Photo Voltaic Pvt Ltd.	---	----	---				
13	स्वचालित वोल्टेज स्टेबलाइजर/ Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	SERVOMAX	--	15 KVA	170V-270V	230V+/-1%	Single Phase	3 Nos		
14	बैटरी/Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	--	--	--	--	--			
	Genset	Lead acid	Exide Xpress	12V	150 AH	2 Nos.			
	Automation	--	--	--	--	--			
	DGPS	SMF-VRLA	Amaron Quanta	12 V	42 AH	Transmitter-16 Nos. DGPS – 6 Nos.			
15	बैटरी चार्जर/Battery Charger								
	Equipment	Make	Model	Type	Rating	Qty.			
	DG Set(For Starting Engine)	Associate Engineers	--	---	I/P 230V AC O/P(0-30V)DC	1 No.			
	Automation	-----	---	----	----				
16	इंवर्टर/यूपीएस/Inverter/UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
	Main Light		APC 850V A	---	---	850VA	1 No	12V DC /230V AC	230 VA C

	NAIS PSS		APC	----	--	1 KVA	2 Nos.	230V AC	230 VA C
	DGPS		APC	----	--	1 KVA	1 No.	24V DC	230 VA C
			APC	----	--	3 KVA	1 No.	81.8V DC	230 VA C
			APC	--	--	10 KVA	1 No.	220V DC	230 VA C
17	स्वचालन उपकरण/Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Rectronic Devices & System, Pune	Allen Bradley	Renu Electronics Pvt. Ltd. FP5070T Class 1 Division 2	24 V DC	Hughes	Hughes	----		
18	अग्निशमन उपकरण/ Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	4.5 kg	5	Excellent		
				Co2 Type	6.5 Kg	2	Excellent		
				Foam Type	9 Ltrs	2	Excellent		
19	संचार/ Communication			BSNL broadband (Ph. No. - 044 - 27976370 Fibre premium plus. Working condition Good.					
20	जलपूर्ति/ Water Supply			Open well provided with 'Suguna' Monobloc Electric pump set of 1 HP capacity, 1420 rpm. Water is pumped into a RCC overhead tank of 12000 litres capacity.					
21	भूमि/ Land			Area		67 Acres 66 cents			
				Demarcation		Compound wall around lighthouse and other buildings in land measuring 1 hectare.			
22	इमारतें/ Buildings			----			Power House and DGPS, One unit of Inspection Qtrs, One unit of AE Qtrs, One unit of SRT Qtrs, One unit of NA-III Qtrs, One twin unit of LHA and NA-II Qtrs. 2 Store Rooms and Recreation room.		
				Timber Construction above plinth level			N/A		
23	कंपाउंड लाइट/ Compound Lights			10 Nos. RCC base GI Poles with LED Bulb Fittings, 2 Nos. Gate					

		fittings and Solar Power Plant fittings - 3 Nos.	
24	सीसीटीवी कैमरा/ CCTV CAMERA	N/A	
25	स्टाफ/ Staff	Sl. No	Designations
		1	Assistant Engineer (ET)
		2	Senior Radio Technician
		3	Navigational Assistant Gr-II
4	Navigational Assistant Gr-III		
26	पहुँचने का माध्यम/ Mode of approach	Up to Ponneri by Rail/Bus. Ponneri to Pulicat by Bus.	
27	उपलब्ध सुविधाएं/ Facilities available	Post Office, High School at 2 km, Hospital at 1 km. All at Pulicat and Police Station at 6km at Thirupalaivanam.	
28	डाक पता/Postal address	Assistant Engineer (E) Pulicat Lighthouse and DGPS Station P.O. Pulicat , Ponneri Taluk, Thiruvallur Dist., TamilNadu State Pin: 601205	
29	मूल्य का ब्योरा/Cost details (At the time of Construction)	N/A	
30	प्रवर्तन में लाने का दिनांक/ Date of commissioning	25 th August 1986	