

**मास्टर लेज़र / MASTER LEDGER**  
**पुदुच्चेरी दीपस्तम्भ और डीजीपीएस स्टेशन**  
**Puducherry Lighthouse and DGPS Station**

क्रम संख्या/ Sr. No	नाम/Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0926	
2	स्थान/Position	Lat.11° 54.9' N Long. 79° 49.9' E	
3	ऊंचाई/Elevation	49.08M (Above MSL)	
4	अभिलक्षण/Characteristic	GROUP OF 2 WHITE FLASH IN 15 SEC ( FL-0.48, EC-3.27, FL-0.48, EC-10.77)	
5	नॉटिकल माइल मेट्री Range in Nautical miles	Luminous Range - 25.7 NM @ a.t.f. 0.74, 41.5 NM @ a.t.f. 0.85 Geographical Range -19 NM	
6	दीपस्तम्भ टावर/L.H.Tower	Type	Hexagonal RCC Tower
		Height	45 M
		Colour Scheme	Black and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	Fourth order Large
		Make	J-Stone & Co.,
		Type	Revolving
		Size	300 MM
		No. of panels	Four (Two of 135 and Two of 45)
		Area of dioptric portion	-
		Area of catadioptric portion	-
		Divergence Main/Emergency	5°44' (Horizontal) 2°52' (Vertical)
		Duration of Flash Main /Standby/Emergency	-
		Pedestal	Ball Bearing
		Rotation Device	DC Stepper motor
		R.P.M.	2 RPM
		Illuminant	Metal Halide Lamp
		Main	400W
		Standby	400W
Emergency:			
Date of Installation	22-11-2000		
8		Main	1000000 cds

	प्रभावीबीमतीव्रता/ <b>Effective beam intensity</b>		Emergency		-			
9	लैंटर्न/ <b>Lantern</b>		Diameter		2.4 m			
			Height of glazing		1.38 m			
			No. of panes		12			
			Ventilators		Yes – 8 nos.			
10	<b>RACON</b>		NA					
	<b>Make</b>	<b>Model</b>	<b>Code</b>		<b>Band</b>	<b>Date of Installation</b>		
	-	-	-		-	-		
11	<b>NAIS</b>							
	Make		M/s SAAB Transponder Tech, Sweden					
	Base Station		R40 – 2nos. Sr.no. 5259 & 5335					
	<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>B e a c o n I D</b>	<b>Date of commissioning</b>	<b>Date of Recapitalization</b>
	Nautel	315 KHz	500 Watts	422	423	1 1 1	20.03.2004	25.0 3.20 18
12	<b>ऊर्जाकेसाधन/ Source of energy</b>		Mains		State Electricity Board, Puducherry			
			Emergency		2 nos. Diesel Generator			
			Stand by		UPS			
<b>Diesel Generator</b>								
		<b>Make</b>	<b>Qty</b>	<b>Rating</b>	<b>No. of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>	
		<b>Engine -1</b>						
		Kirloskar	1	26 HP	3	1500	Air	
		Alternator-1						
		Kirloskar	1	20 KVA	-	1500		
		<b>Engine -2</b>						
		Kirloskar	1	19 HP	2	1500	Air	
		Alternator-1						
		Kirloskar	1	15 KVA	-	1500		

		<b>Solar Plant</b>							
		<b>Capacity</b>	<b>No. of Panels</b>	<b>Type</b>	<b>Inverter</b>	<b>Battery</b>	<b>Date of Installation</b>		
		25 KW	100	On-Grid	33KW	-	23-05-2017		
13	<b>स्वचालितवोल्टेजस्टेबलाइजर</b> <b>Automatic Voltage Stabilizers</b>								
	<b>Make</b>	<b>Model</b>	<b>Capacity</b>	<b>Input</b>	<b>Output</b>	<b>Phase</b>	<b>Qty</b>		
	SERVO MAX		15KVA	170-270 V	230V	1	3 NOS.		
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>			
	GENSET	SMF	Exide	12V	150 AH	2			
	MAIN LIGHT/ STEPPER MOTOR	SMF	EXIDE	12V	150AH	2			
	DGPS	SMF	EXIDE	12V	42 AH	22			
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	DELTA ELECTRIC	-	-	0-30 V 15A	2			
	Automation	-	-	-	-	-			
16	<b>इंवर्टरInverter /UPS</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>
	Main Light	2	UTL	---	---	800VA	2	12V	230V
	NAIS PSS	-	-	-	-	-	-	-	-
	DGPS	01	APC	SRC 10KUXI		10 KVA	1	12V DC & 230 AC	230VAC
01		APC	SRC 3000		3 KVA	1	12V DC & 230 AC	230VAC	
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>		
	RDS	Micro logix 1400	Touch wide screen Display	12-24VDC	1.2 M Parabolic Antenna	Hughes	-		
18	<b>आग्निशमनउपकरण</b>		<b>Type of Extinguisher</b>	<b>Capacity</b>	<b>Nos</b>	<b>Make</b>			

	Fire Fighting Equipment	DCP Type	6 kg	5	
		Co2 FOAM	4.5 KG	4	
		Co2 FOAM	6.5 KG	2	
19	संचार <b>Communication</b>	BSNL PHONE : 0413 – 2336114			
20	जलपूर्ति <b>Water Supply</b>	PUDUCHERRY MUNICIPAL CORPORTION			
21	भूमि <b>Land</b>	Area	0.7775 hectre		
		Demarcation	Compound Wall		
22	इमारतें <b>Buildings</b>	<ol style="list-style-type: none"> <li>1. Office Building consist with power house, DGPS room, Store Room, Recreation room &amp; Toilet</li> <li>2. Pump house</li> <li>3. Coil hut</li> <li>4. Inspection Quarter</li> <li>5. 8 nos. staff quarters</li> </ol>			
23	कंपाउंडलाइट <b>Compound Lights</b>	16 nos. street light 2nos. main gate light			
24	सीसीटीवीकमेरा CCTV CAMERA	-			
		-			
25	स्टाफ <b>Staff</b>	Sl. No	Designations		
		1	Navigational Assistant Gr-1		
		2	Sr. Radio Technician		
		3	Navigational Assistant Gr-II		
		4	Navigational Assistant Gr-II		
		5	Navigational Assistant Gr-II		
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	By Train & Bus			
27	उपलब्धसुविधाए <b>Facilities available</b>	General Hospital at 1.5 Km, Post Office at 2 Km, High School/Colleges at 5 Km Railway Station at 2 Km Bus Stand at 3 Km Airport at 10 Km			
28	डाकपता <b>Postal address</b>	The Asst. Engineer (E), Puducherry Lighthouse Cum DGPS Station, Vambakeerapalayam, Puducherry – 605001			
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	16, 79,500/-			
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	10-12-1979			