

मास्टर लेज़र/MASTER LEDGER

पाम्बन दीपस्तंभ/Pamban Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0900	
2	स्थान/Position	Lat.09° 17.2' N, Long. 79° 13.3' E	
3	ऊँचाई/Elevation	29 M (Above MSL)	
4	अभिलक्षण/Characteristic	Single White Flash in every 5 Seconds (0.9+ <u>4.1</u>)	
5	नॉटिकलमाइलमेदूरी Range in miles	15 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Circular Masonry tower
		Height	15 M
		Colour Scheme	Black and White Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	SABIK
		Type	LED FLASHER
		Size	---
		No. of lens	---
		Area of dioptric portion	
		Area of catadioptric portion	
		Divergence Main/Emergency	N/A (Horizontal) 2.5° (Vertical)
		Duration of Flash Main /Standby/Emergency	0.9 Sec
		Pedestal	N/A
		Rotation Device	N/A
		R.P.M.	N/A
		Illuminant	
		Main	LED FLASHER
		Standby	
	Emergency:	---	
	Date of Installation	14-11-2019	
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	4300 cds
		Emergency	
9	लैंटर्न/Lantern	Diameter	1.5 m
		Height of glazing	1.07m
		No. of panes	8
		Ventilators	3
10	RACON	Sr. No	N/A

	Make	Model	Code	Band	Date of Installation			
11	NAIS							
	Base Station		2 Nos-AIS1 & AIS2					
	Model	Type	Power	MMSI				
	R40	Class A	AC-230V	----				
	Communication Equipment							
	BSNL Lease Line	Band	Modem					
			BSNL Lease Line MODEM					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	ऊर्जाकेसाधन Source of energy		Main Supply		TNEB Electric Main Supply 3 Ø 440 v,50Hz			
			Stand By		Solar Power 170 W/24 V × 3 Panels			
			Power Source		Single Phase DG Set 15 KVA Make: Kirloskar			
	Engine							
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	Kirloskar	1	20.5 BHP	2	1500	Air		
	Alternator							
	Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
	Kirloskar	1	15 KVA	230V/65.2 A	50Hz	Single		
	Solar Plant (Off Grid)							
	Capacity PV	Number of Solar panels	Type	Battery	Bank			
	500 Wp	3 Nos.	Poly Crystalline	2V / 600 AH	24 V / 600AH			
	Solar Plant for Main RACON							
	Capacity PV	Numbers	Type	Battery	Bank			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	
	SOUNDRY POWER SYSTEMS	GLOBUS-170 V-270 V	5 KVA	170 V-270 V	230 V	Single	1 No.	
14	बैटरी Batteries							
	Equipment	Type	Make	Volt	Amp. Hr.	Qty		
	PSS NAIS	Lead acid	Exide	12V	150 AH	3 Nos.		
	Genset	Lead acid	Exide	12V	100 AH	1 No.		

	UPS (Main Light)	Tubular Lead acid	Exide	2 V	600 AH	12 Nos.			
	Automation	---	---	---	---	---			
	DGPS	---	---	---	---	---			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	---	---	---	---	---			
	Automation	---	---	---	---	---			
16	इंवर्टर/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	Input	Output
	Main Light	01	Exide	---	True sine wave	1450 VA	1	24 V DC & 230 V AC	230V AC
	NAIS PSS	01	APC	SRC 1KI - IN	Pure sine wave	1 KVA	1	36 V DC & 230 V AC	230V AC
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen-Bradley	RENU Electronics Make	1450 VA UPS	1.25 m dia Parabolic reflector	Hughes			
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	5 Kg	1			
				Co2	4.5 Kg	1			
				Foam Type	9 Ltr	1			
19	संचार Communication			BSNL FTTH Connection Landline No: 04573-299430					
20	जलपूर्ति Water Supply			Open Well (Fitted with 1 HP Jet Motor) - 01 No. Bore Well (Fitted with 1 HP Jet Motor) - 01 No.					
21	भूमि Land			Area			0.47 hectare		
				Demarcation			Masonry Brick Wall		
22	इमारतें Buildings			Technical Building (Power House, Office and Store Room) – 1 No. Inspection Quarters – 1 No. LHA Quarters – 1 No. Pump House – 1 No.					
23	कंपाउंडलाइट Compound Lights			Solar Powered LED Street Lights fitted on G.I Pole - 6 Nos					
24	सीसीटीवीकमेरा CCTV CAMERA			Camera			07 Nos		
				DVR			01 No.		
25	स्टाफ Staff			Sl. No	Designations				
				1	Navigational Assistant Grade - II				
26	पहुंचनेकामाध्यम/Mode of approach			By rail up to Pamban and then by road 2 Kms up to Lighthouse.					
27	उपलब्धसुविधाए Facilities available			Post Office, Dispensary, High School, Police Station all are within 2 Kms.					
28	डाकपता Postal address			Pamban Lighthouse, Pamban Post, Ramanathapuram District, Tamil Nadu State Pin: 623 521.					

29	मूल्यकाब्योरा <i>Cost details</i> (At the time of Construction)	N/A
30	प्रवर्तनमेलानेकादेनांक <i>Date of commissioning</i>	First Commissioned on: 21.04.1846 Renovated in the years 1901, 1923, 1987 & 2004 (Tamil Nadu State Government handed over the Lighthouse to The Directorate of Lighthouses and Lightships, Chennai on 03.03.2004).