

मास्टर लेजर/MASTER LEDGER

पोर्टोनोवो दीपस्तम्भ और नावटेक्स स्टेशन

PORTONOVO LIGHTHOUSE AND NAVTEX STATION

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0919	
2	स्थान/Position	Lat. 11°30'15"N , long 79°46'12"E	
3	ऊंचाई/Elevation	32.99 M (Above MSL)	
4	अभिलक्षण/Characteristic	Single FL.W. every 15 Sec	
5	नॉटिकलमाइलमेदूरी Range in miles	25.7 NM	
6	दीपस्तम्भटावर/L.H.Tower	Type	Circular tower
		Height	30M
		Colour Scheme	Red and White Band
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	MBR-300 (Acrylic Fresnel Lancer)
		Type	Rotating Beacon
		Size	L - 847 mm / B- 312.8 mm
		No. of lens	6
		Area of dioptric portion	Nil
		Area of catadioptric portion	Nil
		Divergence Main/Emergency	9.8° (Horizontal) 9.4° (Vertical)
		Duration of Flash Main /Standby/Emergency	15 Sec
		Pedestal	
		Rotation Device	In built DC Motor
		R.P.M.	4
		Illuminating	
		Main	150 Watts / 230 V Single end CDMT Lamp
		Standby	Nil
Emergency:	Halogen Lamp 100 watts / 12 V DC (Drum Optic)		
Date of Installation	19.10.2010		
8	प्रभावीबीमतीव्रता/ Effective beam intensity	Main	10,3000 Clds
		Emergency	---
9	लैंटर्न/ Lantern	Diameter	3.5 m
		Height of glazing	2.7m
		No. of panes	36
		Ventilators	11

10	RACON		Sr. No	090069				
	Make	Model	Code	Band	Date of Installation			
	Tide Land	Sea Beacon 2	B	(X+ S Band)	05-06-2013			
11	NAIS							
	Base Station		2 Nos - AIS1 & AIS2					
	Model	Type	Power	MMSI				
	R40	Class A	AC-230V & DC-12V	88				
	Communication Equipment	BSNL leased line						
	NAVTEX							
	Transmitter Make	Frequency	Power Output	Antenna		Date of commissioning	Date of Recapit alization	
	DANPHONE	518/490 KHz	1000 Watts	T- Type		23.05.2015	N/A	
12	ऊर्जाकेसाधन/ Source of energy		Mains		3 Ø Supply / 440V			
			Power Source		DG Set 20 KVA, Make Pinnacle			
			Engine 1					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Coolin g
			Pinnacle	1	26 HP	2	1500	Air
			Alternator					
			Make/Type	Qty	Rating	Voltage/A mp	Frequency	Phase
			Kirloskar	1	20 KVA	240V/A	50Hz	Single
			Engine 2					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Coolin g
			Pinnacle	1	26 HP	2	1500	Air
			Alternator					
			Make/Type	Qty	Rating	Voltage/A mp	Frequency	Phase
			Kirloskar	1	20 KVA	240V/A	50Hz	Single
			Solar Plant					
			Capacity PV	Numbers	Type	Inverter	Bank	
			25 KWp On grid	93 Nos	Mono Crysta lline	30 KW Make : Delta	N/A	
			Solar Plant for Main RACON					
			Capacity PV	Numbers	Make	Battery	Bank	
Tata / 80 Watts	01 No.	Tata BP Solar	01 No 12V/150AH	N/A				
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers							
	Make	Model	Capacity	Input	Output	Phase	Qty	

	ITL SERVO STABILIZER	SVS 1250 AI SVS 1250D-AI	12.5KVA	170-270V	230V	1	2		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	Lead acid	Exide	12V	100 AH	2			
	Automation	-	-	-	-	-			
	NAVTEX	SMF	Amaron	12V	42 AH	10			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	AE Make	--	--	0-50A	1			
16	इंवर्टर/Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
	Main Light	1	Luminous	On Line UPS	---	900 VA	1	12 V DC	230 V AC
	NAIS PSS	1	APC	On Line UPS	---	1 KVA	1	12 V DC	230 V AC
	NAVTEX	1	Hykon	On Line UPS	---	5 KVA	1	120 V DC	230 V AC
17	स्वचलन उपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Recktronic Device & System	Micro Logix1400	RENU	24 V DC	1.8m dia Parabolic reflector	Hughes	Ex. C		
18	आग्निशमन उपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	2	In Time		
				Co2	4.5 Kg	5	In Time		
				Foam Type	9 Ltrs	1	In Time		
19	संचार Communication			Land Line (Ph No:- 04144 - 290556) With OFC and Lease Line Connection					
20	जलपूर्ति Water Supply			1. Panchayath Water and open well with Mono block. 2. Provided Rain water collection tanks to each quarters.					
21	भूमि Land			Area	3.710 hect				
				Demarcation	Compound wall.				
22	इमारतें Buildings			NA-I Qtrs - 1 No. NA-II Qtrs - 2 Nos. LHA & LHS Qtrs. (Twin Qtrs) - 1 No. Inspection Qtrs - 1 No. Navtex+Security Guard Qtrs - (3 No.+ 1 No.)- 1 Unit. Pump House- 2 Nos. Over Head Tank - 1 No. UG Water sump - 1No.					

			Office, Store, Power House and Tx. room - 1No. Security Guard Cabin - 1No. Rain Water Tank - 5 Nos.
23	कंपाउंडलाइट Compound Lights	08 No's of LED street Light with GI Poles + 02 No of Gate Light	
24	सीसीटीवीकमेरा CCTV CAMERA	Nil	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr - I (1 staff)
		2	Navigational Assistant Gr - II (2 staff)
26	पहुँचनेकामाध्यम Mode of approach	By Road.	
27	उपलब्धसुविधाए Facilities available	Post Office, BSNL Office and Market, 3 Kms from Lighthouse.	
28	डाकपता Postal address	Portonovo Lighthouse Cum NAVTEX Station, Parangipettai Post, Cuddalore (Dist), Pin: 608 502.	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	20 Lakhs	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	30.09.1980	