

मास्टर लेजर/MASTER LEDGER

**राजापुर बे (वागापुर पॉइंट) दीपस्तंभ
RAJAPUR BAY(WAGAPUR POINT) LIGHTHOUSE**

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F0586	
2	स्थान/Position	Lat. 16° 36' 21.27"N , Long. 73° 19' 16.99"E	
3	ऊंचाई/Elevation	46m	
4	अभिलक्षण/Characteristic	F1 W 15 Sec. (FL 0.4, sec. 14.6)	
5	नॉटिकलमाइलमेदूरी Range in miles	29Nm	
6	दीपस्तंभटावर/L.H.Tower	Type	R.C.C. Square tower
		Height	19.8 m
		Colour Scheme	Black and White Bands (Band width 3.84m, Bottom band Black. No. of bands 5)
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	B.B.T.
		Type	-
		Size	300 mm (4 th order large) revolving
		No. of lens	2 to 180° each
		Area of dioptric portion	Total corrected area 7275 sq. cm.
		Area of catadioptric portion	2838 sq. cm. (Corrected area 2186 sq. cm.)
		Divergence Main/Emergency	Main : 4°58' (Horizontal) 2°29'(Vertical)
		Duration of Flash Main /Standby/Emergency	Main :0.41sec
		Lamp changer	Yes
Pedestal	Mercury float (39.4 Kg Mercury)		

			Rotation Device	Stepper motor 1 in use ,2 nd in standby				
			R.P.M.	2				
			illuminating					
			Main	3*150 watt MH Lamp in cluster unit				
			Standby	-				
			Emergency:	-				
			Date of Installation	2006				
8	प्रभावीबीमतीव्रता/Effective beam intensity		Main & Standby	Main: 403597cd				
Emergency			-					
9	लैंटर्न/Lantern		Diameter	2m				
			Height of glazing	1.3m				
			No. of panes	16(in two tiers of 8 panes each)				
			Ventilators	7				
10	RACON		---		---			
	Make	Model	Code	Band	Date of Installation			
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11	NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	R-40	Class -A	AC :100-24 0VAC,50-60Hz DC: +24v,2.5Amp	4192231				
	Communication Equipment							
	VSAT Antenna-2.4 mtr parabolic antnna	Band 161.975MH z and 162.025MH z	Modem- Datum System C band					
	DGPS							
	Trasmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commis sioning	Date of Re cap itali zati on
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12	ऊर्जाकेसाधन/Sour ce of energy		Mains	440 V, 3 phase,50Hz				
			Standby	Diesel Generator Set, 8KW off grid solar power system				
			Engine 1					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling

		KirloskarEA-16	1	---	2	1500	Air Cooling
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
		Kirloskar	1	7.5 KVA	240v/31.2 Amp	50Hz	1
		Engine 2					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Kiloskar					
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
		Kirloskar					
		Solar Plant					
		Capacity PV	Numbers		Type	Battery	Bank
		200w	40		Monocrystalline	12V/1000Ah	7 nos
		Solar Plant for Main RACON -NA-					
		Capacity PV	Numbers		Type	Battery	Bank
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13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers						
	Make	Model	Capacity	Input	Output	Phase	Qty
	Automatic Electric ltd	JY-415C	5 KVA	160-260V AC	230V AC	1	1
14	बैटरी Batteries						
	Equipment	Type	Make	Volt	Amp/Hr	Qty	
	PSS NAIS	Maintenecce Free	Exide	12V	100Ah	2	
	Genset	Maintenecce Free	Exide	12V	100Ah	1	
	Automation	Maintenecce Free	Rock et	12V	26 Ah	2	
	DGPS						
15	बैटरीचार्जर/ Battery charger -NA-						
	Equipment	Make	Model	Type	Rating	Qty	
	General Purpose	---	---	---	---	---	---
	Automation	---	---	---	---	---	---

16	इंवर्टरInverter /UPS								
	Equipmen t	Nos	Make	Model	Type	Rating	Qty	input	output
	Main Light	03	Exide	Exide 850 DSP PST UPS	Sine wave	850VA	03	12V DC	230V AC
	NAIS PSS	01	Exide	Exide 1450 DSP PST UPS	Sine wave	1450VA	01	24V DC	230V AC
	DGPS	---	---	---	---	---	---	---	---
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Nelco	Momentum 171CBB9703 0,processor 4 port switch,24VD C, Telemecaniq e	Magelis Advanced Panels, 24VDC, 26W Make – Schneider Electric	24V DC	1.8mtr parabolic reflector	Sky edge	C band		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				Water type	9 ltr	1	---		
				DCP type	2kg	2	---		
				DCP type	3.5 kg	1	---		
19	संचार Communication			Earlier BSNL WLL telephone No.02353 – 263482, provided in the station but it is discontinued due to non feasibility. 'JIO' dongle is using for internet use from mobile for effective communication.					
20	जलपूर्ति Water Supply			Borewell with 1 HP submersible pump installed at Lighthouse.					
21	भूमि Land			Area	4.34Hectres				
				Demarcation	Compound wall is provided at land side				
22	इमारतें Buildings			Quarters	1)HLK Quarter – 1 No. 2)Twin unit of NA- II/III Quarters – 2 Nos 3)Group 'D' Quarters (Twin Unit) – 2 Nos.				

			One unit of old store dismantled, jeep garage and pump house dismantled- Except the seaward side, the compound is secured by compound wall of stone masonry
23	कंपाउंडलाइट Compound Lights		7 nos
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	NA
		DVR	NA
25	स्टाफ Staff	Sl. No	Designations
		1	NA- II
		2	NA- II
		3	LHA
		4	
		5	
		6	
26	पहुँचनेकामाध्यम Mode of approach	1) By rail uptoRajapurroad then Rajapur bus stand by road. 2)From Rajapur to Madban by Bus-approx 35km 3) From Madban 7km by walk uptoLighthouse .	
27	उपलब्धसुविधाए Facilities available	Marine Police Station	13 kms -Nate
		Dispensary	11 km Holi stop
		High School	Primary school 7 kmsMadban
		Post office	7 kmsMadban
28	डाकपता Postal address	Headlighthkeeper Rajapur Bay Lighthouse At post :Madban, Tal:Rajapur, Dist:Ratnagiri -416702	
29	मूल्यकाब्योरा Cost details (At the time of Construction)	---	
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	1958	