

**मास्टर लेजर/MASTER LEDGER**

**उमरगाम दीपस्तंभ/ UMERGAM LIGHTHOUSE**

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0489	
2	स्थान/Position	Lat. 20 <sup>0</sup> 11.7' N Long. 72 <sup>0</sup> 45.0' E	
3	ऊंचाई/Elevation	35 m	
4	अभिलक्षण/Characteristic	FI W 15 Sec. (fl. 0.33, ec. 14.67)	
5	नॉटिकलमाइलमेदूरी Range in miles	19 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Triangular R.C.C Tower
		Height	30 m
		Colour Scheme	Red & White Bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	Welth Marine Pvt Ltd. Singapore
		Type	WM-RB500 Marine Rotating Beacon
		Size	500 mm
		No. of lens	6
		Area of dioptric portion	----
		Area of catadioptric portion	----
		Divergence Main/Emergency	Horizontal-1.5°, Vertical-2.42°
		Duration of Flash Main /Standby/Emergency	0.4 Sec.
		Lamp changer	NA (Fix 70W MH Lamp)
		Pedestal	RCC Circular + GI Circular Pedestal
		Rotation Device	2 Nos. Stepper Motor, Microprocessor controlled speed field selector from 0.5-6RPM, One service & one standby Stepper Motor
		R.P.M.	0.67
		Illumining	
		Main	70W MH Lamp
Standby	NA		
Emergency:	NA		
Date of Installation	05.06.2007		

8	प्रभावीबीमतीव्रता/Effective beam intensity		Main & Standby		173684 cd			
			Emergency		----			
9	लैंटर्न/Lantern		Diameter		2.4m			
			Height of glazing		1.4 m			
			No. of panes		24 Nos			
			Ventilators		11 Nos			
10	RACON		Sr. No.		HY-II20180648			
	Make	Model	Code		Band	Date of Installation		
	Pharos Marine Automatic Power	PMAPI RACON-2	M		X- Band	23-08-2018		
11	NAIS							
	Base Station		2 Nos-AIS1 & AIS2					
	Model	Type	Power		MMSI			
	R 40	Class A	AC-100-240v,50Hz DC-24V,2.5A		004192224			
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector	Ex-C band	Datum Systems PSM-500L Satellite Modem					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
12	ऊर्जाकेसाधन/ Source of energy		Mains		DGVCL Umerngaon 440V AC, 3 Phase, 50Hz			
			Standby		Diesel Generator-01 Nos			
			Engine 1					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
			Kirloskar /EA-16	01	16BHP	02	1500	Air Cooling
			Alternator					
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
			Kirloskar/ KG 164H	01	7.5KVA,	230V/31.2A	50Hz	1φ
			Engine 2					
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
			Alternator					
Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase			

	<b>Solar Plant</b>								
	<b>Capacity PV</b>		<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
	70W/17V		04		TATA BP	12V/150AH	2 Nos		
	80w/17V		06		Jl 1274	„			
	<b>Solar Plant for Main RACON</b>								
	<b>Capacity PV</b>		<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
	70W/17V		01		TATA BP	01 Nos 12V/65AH	01 Nos		
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>		
	AE	JY-415 C	5KVA	160V -260V AC	230V AC	1ø	01Nos		
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>			
	<b>PSS NAIS</b>	SMF	Exide	12V	7 AH	06			
	<b>Genset</b>	Lead Acid	Exide	12 V	100AH	01			
	<b>Automation</b>	SMF	Exide	12V	26AH	02			
	<b>DGPS</b>	NA							
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(Genset)	KB	-	12V/6A	6Amps	01			
	Automation	Powerex Eng.	-	24V/20A	15Amps	01			
16	<b>इंवर्टरInverter /UPS</b>								
	<b>Equipmen t</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>
	<b>Main Light</b>	01	Exide	Exide 850 DSP PST UPS(M)	Pure sinewave	850 VA	01	12 V DC & 230 AC	230V AC
	<b>NAIS PSS</b>	02	APC	SRC 1000	IND	1KVA	02	36 V DC & 230 AC	230 AC
	<b>DGPS</b>								

17	<b>स्वचलनउपकरण</b>						
	<b>Automation Equipment</b>						
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band
	Nelco	Schneider	Schneider	24V DC	1.8 mtrs dia	SkyEdge	Ex-C band
18	<b>आग्निशमनउपकरण</b> Fire Fighting Equipment		Type of Extinguisher		Capacity	Nos	Make
			BC Dry chemical		3.2 kg	02 Nos	Bharat Engg
			BC Dry chemical		1 kg	02 Nos	Chandrakant &Co
19	<b>संचार</b> <b>Communication</b>		BSNL Telephone Tel.No. 0260- 2564726				
20	<b>जलपूर्ति</b> <b>Water Supply</b>		(i)Electric Water Pump Set. (ii)Local Nagar Palica water supply				
21	<b>भूमि</b> <b>Land</b>		Area			3.0 Hectare	
			Demarcation			Brick Compound Wall	
22	<b>इमारतें</b> <b>Buildings</b>		Quarters			Inspection Quarter, Powerhouse, Office, twin Navigational Assistant quarters & twin LHA quarter.	
23	<b>कंपाउंडलाइट</b> <b>Compound Lights</b>		07 Nos LED Street light,02Nos LED Gate light & 03 Nos LED Flood light.				
24	<b>सीसीटीवीकमेरा</b> CCTV CAMERA		Camera			NA	
			DVR			NA	
25	<b>स्टाफ</b> <b>Staff</b>		Sl. No	Designations			
			1	Navigational Assistant Gr-II - 2			
			2				
			3				
			4				
			5				
			6				
26	<b>पहुँचनेकामाध्यम</b> <b>Mode of approach</b>		By Rail upto Umargaon then 8 Kms by bus upto Umargaon bus stand & then short walkin distance upto lighthouse				
27	Marine Police Station			6.8 Km far from LH			

	उपलब्धसुविधाए <b>Facilities available</b>	Dispensary High School Post office	4.0 Km far from LH 1 Km far from LH 1 Km far from LH
28	डाकपता <b>Postal address</b>	Navigational Assistant Umergaon Lighthouse P.O. -Umergaon, Dist. -Valsad Gujarat Pin-396170	
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	Construction-1,51,187/- Equipment-1,31,860/-	
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	21-05-1979	