

## मास्टर लेजर/MASTER LEDGER

दीपस्तंभ / DIU-HEAD Lighthouse			
क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0414	
2	स्थान/Position	Lat : 20° 41.5'N      Long : 70° 49.7'E	
3	ऊंचाई/Elevation	58 M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl W 10 sec. 0.3+9.7=10 Sec.	
5	नॉटिकल माइल मे दूरी Range in miles	30 NM	
6	दीपस्तंभ टावर/L.H.Tower	Type	Hexagonal stone masonry tower.
		Height	37M
		Colour Scheme	Red and white bands S.E. Paint.
7	ऑप्टिकल उपकरण Optical equipment	Optic	
		Make	B.B.T. France
		Type	
		Size	700 mm(2 <sup>nd</sup> order large)revolving type
		No. of lens	
		Area of dioptric portion	6320 sq. cm (Corrected area 4392cm <sup>2</sup> )
		Area of catadioptric portion	17080 sq.cm.(Corrected area14176cm <sup>2</sup> )
		Divergence Main/Emergency	3°15' (Horizontal) 1°5' (Vertical)
		Duration of Flash Main /Standby/Emergency	0.3 Sec
		Pedestal	Mercury float (143 kg. in use )
		Rotation Device	(i) Electrically operated stepper motor for direct drive system. (ii) The clock work machine with an electric rewinding motor for stand by.
		R.P.M.	1.5
		Illumining	150 W / 230 V MH lamp Cluster – 03 nos.
		Main	
		Standby	
		Emergency:	
		Date of Installation	07/09/2010
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	1,02,24000 Candela
		Emergency	

9	लैंटर्न/ <i>Lantern</i>		Diameter		3.5m				
			Height of glazing		2.7m				
			No. of panes		36(in 3 tiers)				
			Ventilators		11				
10	RACON		Sr. No 6183						
	Make	Model	Code		Power Supply	Date of Installation			
	Tide land, Sea Beacon system 6	---	'D'		12V/100AH Okaya battery	26/02/2006			
11	NAIS –NA								
	Base Station		R-40 02 Nos						
	Model	Type	Power		MMSI				
	Communication Equipment								
	VSAT Antenna	Band	Modem						
12	ऊर्जा के साधन/ <i>Source of energy</i>		Mains		440V/3-phase/50 Hz				
			Power Source		DG Set 15 KVA make Kirloskar Nos-2				
			Engine 1						
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
			Kirloskar	2	20.5 HP	2	1500	Air	
			Alternator						
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
			Koel Green	2	15 KVA	230V/65.2A	50Hz	Single	
			Solar Plant						
Capacity PV	Numbers	Type	Battery	Bank					
2.5 KWP	36 Nos	Mono Crystalline	3 Nos 24V/900AH	01 No.					
13	स्वचालित वोल्टेज स्टेबलाइजर <i>Automatic Voltage Stabilizers</i>								
	Make	Model	Capa	Input	Output	Phase	Qty		
	--	--	--	--	--	--	--		
14	बैटरी <i>Batteries</i>								
	Equipment	Type	Make	Volt	Amp/Hr	Qty	Date of Inst.		
	DG Set -1		Amaron	12V	90AH	1	18.08.2020		
	DG Set -2		Exide	12V	150AH	1	24.02.2020		
	Racon		Okaya	12V	100AH	1	18.02.2021		

	2KVA Inverter -1		Exide	24V	900AH	1	19.09.20 17	
	2KVA Inverter -2		Exide	24V	900AH	1	19.09.20 17	
	2KVA Inverter -3		Exide	24V	900AH	1	19.09.20 17	
15	बैटरी चार्जर/ Battery charger							
	Equipment	Make	Model	Type	Rating	Qty	Date of Inst.	
	General Purpose	ARGO			0-30V / 10 Amp.	01	23.09.19 90	
	Automation		---	----				
16	इंवर्टर Inverter /UPS							
	Equipme nt	Nos	Make	Model	Type	Rating	Qty	input output
	Main Light							
	NAIS PSS							
17	स्वचलन उपकरण Automation Equipment							
	MAKE	PLC	HMI	Power Supply	VSAT	Mode m	Band	
18	आग्निशमन उपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make	
				DCP Type	4 kg	8		
				Water Co2	-	-		
				Foam Type	-	-		
19	संचार Communication			Not Available				
20	जलपूर्ति Water Supply			Well provided in lighthouse compound. RCC overhead hexagonal tank of size 1.5 m x 1.5 m deep of capacity 4500 lit is provided with centrally situated tap.				
21	भूमि Land			Area			5.39 hectares	
				Demarcation			Compound wall on all the four sides	
22	इमारतें Buildings			RCC Structure: 07 Nos			LH tower, Inspection Qtr, Power house, one twin unit of ALK(ss) Qtr., one twin unit of ALK (JS) Qtrs., Navigation Assistant Qtr., one twin unit Of LHA quarters.	

		Timber Construction above plinth level	
23	कंपाउंड लाइट <b>Compound Lights</b>	1) Street Light 10 nos.45W / 203 volts LED fixture, G I. Poles installed on 17/11/1996. 2) Solar Street Light 9W LED lamp with 12V/40W Solar Module installed on 26/12/2016	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera DVR	
25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Navigational Assistant –I 01 No.
		2	Navigational Assistant –II 01 No.
		3	Lighthouse Attandan -01 No.
26	पहुँचने का माध्यम <b>Mode of approach</b>	By Road upto Kodinar, then 21 km. by road upto Madhwad village and then crossing the creek by boat. From creek 2km by walk upto Lighthouse. OR From Kodinar to Lighthouse by Road 21 km.via Velan and Dam Path.	
27	उपलब्ध सुविधाए <b>Facilities available</b>	Police Station ,Hospital and High School at Kodinar 22 km. from Lighthouse, Post office at Velan village 4.5 km. from Lighthouse	
28	डाकपता <b>Postal address</b>	The Lighthouse In-charge Div-Head Lighthouse Village- Madhwad Post -Velan Taluka- Kodinar District - Gir-Somnath (Gujarat ) Pin Code -362720	
29	मूल्य का ब्योरा <b>Cost details</b> (At the time of Construction)	2,65,615/-	
30	प्रवर्तन मे लाने का दिनांक <b>Date of commissioning</b>	01/02/1969	

