

## मास्टर लेजर/MASTER LEDGER

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0406	
2	स्थान/Position	Lat : 21° 06. 30' N Long : 70° 06.20' E	
3	ऊंचाई/Elevation	37.335 Meter from M.S.L.	
4	अभिलक्षण/Characteristic	FL 2 (W) every (0.5+2+0.5+17=20s) 20Sec.	
5	नॉटिकलमाइलमेदूरी Range in miles	18NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Hexagonal Concrete Tower
		Height	35M
		Colour Scheme	Red and White bands.
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	Mediterraneo Senales Maritimas (MSM)
		Type	MBR-300
		Size	---
		No. of lens	4
		Area of dioptric portion	---
		Area of catadioptric portion	---
		Divergence Main/Emergency	9° (Horizontal) 9° (Vertical)
		Duration of Flash Main /Standby/Emergency	---
		Pedestal	2 Nos. Pedestal (Total 2 mtr height)
		Rotation Device	Stepper motor
		R.P.M.	1.5
		Illumining	
		Main	230V/150W Single CDM-T Lamp
Standby	---		
Emergency:	----		
Date of Installation	05-09-2010		
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	----
		Emergency	----
9	लैंटर्न/Lantern	Diameter	3.0m
		Height of glazing	2.0m
		No. of panes	24
		Ventilators	11
10	RACON	----	----

	Make	Model	Code	Band	Date of Installation			
11	<b>NAIS</b>							
	<b>Base Station</b>		02 Nos.					
	<b>Model</b>	<b>Type</b>	<b>Power</b>	<b>MMSI</b>				
	P/N:7000 100-971	R-40 AIS Base Station (IEC 62320 - 1)	AC Supply	004192215				
	<b>Communication Equipment</b>							
	<b>VSAT Antenna</b>	<b>Band</b>	<b>Modem</b>					
	2.4 Meter	C band	Hughes ,Model- HT2300					
	<b>DGPS</b>		----					
	<b>Transmitter Make</b>	<b>Frequency</b>	<b>Power Output</b>	<b>RS 1 ID</b>	<b>RS -II ID</b>	<b>Beacon ID</b>	<b>Date of commissioning</b>	<b>Date of Recapitalization</b>
12	<b>ऊर्जाकेसाधन/ Source of energy</b>		<b>Mains</b>		440V/3-phase/50 Hz			
			<b>Power Source</b>		DG Set 15 KVA make Kirloskar			
			<b>Engine 1</b>					
	<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
	Kirloskar	1	20.5 HP	2	1500	Air		
			<b>Alternator</b>					
	<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
	Kirloskar	1	15 KVA	230V/62.5A	50Hz	Single		
			<b>Solar Plant</b>					
	<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
	9 KWp	36 Nos	Mono Crystalline (34) + Poly Crystalline(2)	48 Nos 2V/900AH	01 No.			
			<b>Solar Plant for Main RACON</b>					
			----					
	<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
13	<b>स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers</b>							
	<b>Make</b>	<b>Model</b>	<b>Capa</b>	<b>Input</b>	<b>Output</b>	<b>Phase</b>	<b>Qty</b>	
	SERVO(Voltage Stabilizer)	VSP/8/160/1/SERVO	8KV A	160 – 260 V	240	1	1	
14	<b>बैटरी Batteries</b>							

	<b>Equipment</b>	<b>Type</b>	<b>Make</b>	<b>Volt</b>	<b>Amp/Hr</b>	<b>Qty</b>			
	PSS NAIS	-	-	-	-	-			
	Genset	VRLA	OKA YA	12V	200 AH	1			
	Automation								
	DGPS								
15	<b>बैटरीचार्जर/ Battery charger</b>								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose								
	Automation		---	----					
16	<b>इंवर्टरInverter /UPS</b>								
	<b>Equipm ent</b>	<b>Nos</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>	<b>input</b>	<b>out put</b>
	Main Light	01 inverter with 01 no,12V/ 150Ah Battery, Make- SFSONIC	UTL	----	AC	800VA	01	230	230
	NAIS PSS								
	DGPS								
17	<b>स्वचलनउपकरण Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS, Pune	ALLEN- BRADLEY	REENU	MEAN WELL ENTERPRISES	---	ROUBUSTEL	---		
18	<b>आग्निशमनउपकरण Fire Fighting Equipment</b>			<b>Type of Extinguisher</b>	<b>Capacity</b>	<b>Nos</b>	<b>Make</b>		
				DCP Type	4 kg	8	SAFETY FIRE		
				Water Co2	-	-			
				Foam Type	-	-			
19	<b>संचार Communication</b>			Telephone No. : 02878-222280					
20	<b>जलपूर्ति Water Supply</b>			02 tap Connection from Mangrol municipality. PVC tank capacity 1500 Ltrs An electric water pump is provided to lift the water to elevated tank for distribution to each building and quarters. Another electric water pump is provided water for to gardening and maintenance.					
21	<b>भूमि Land</b>			Area		1.50 hectors.			
				Demarcation		Compound wall on all sides			
22	<b>इमारतें</b>			RCC Structure		LH tower, Inspection quarter, Power House,			

	<b>Buildings</b>		HLK quarter, Two unit of ALK quarters LHA and Safaiwala quarters  quarters, Over head water tank tower.
		Timber Construction above plith level	
23	कंपाउंडलाइट <b>Compound Lights</b>	10 Nos. G.I. Poles with 25W LED AC lamp fitted, Main Gate Light-02, 10 Nos Solar LED street Light with G.I.Poles.	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	----
		DVR	----
25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Navigational Assistant -I
		2	Navigational Assistant -III
		3	Lighthouse Attendant
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	By rail up to Keshod and then 28 km by road up to Lighthouse. (1/2 km approach road)	
27	उपलब्धसुविधाए <b>Facilities available</b>	Post office, Hospital, High school etc. are within 8 km from LH at Mangrol town.	
28	डाकपता <b>Postal address</b>	The Lighthouse In-Charge Mangrol lighthouse, Bander Road, P.O. – Mangrol, Dist-Junagadh, Pin-362226	
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	Rs.16,60,555/- (Construction) Rs.19,46,900/- (Equipement)	
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	5-03-1986	