

मास्टर लेजर/MASTER LEDGER

ईस्ट आइलैंड दीपस्तंभ और डी जी पी एस स्टेशन / East Island Lighthouse and DGPS Station

क्रमसंख्या/ Sr.No	नाम /Name	<u>विवरण/Discription</u>	
1	ए.एल.ओ.एल/A.L.O.L.	F 0444	
2	स्थान/Position	Lat : 21° 12.2' N Long : 72° 06.6' E	
3	ऊंचाई/Elevation	41 M (Above MSL)	
4	अभिलक्षण/Characteristic	FI (3) W 20sec (0.3+3.7)2+0.3+11.7=20Sec	
5	नॉटिकल माइल मे दूरी Range in miles	18 NM	
6	दीपस्तंभ टावर/L.H.Tower	Type	6.71 M Square masonry tower
		Height	30.48M
		Colour Scheme	Red and White bands.
7	ऑप्टिकल उपकरण Optical equipment	Optic	
		Make	J. Stone & company Calcutta
		Type	
		Size	300 mm (4 th order) revolving type
		No. of lens	
		Area of dioptric portion	Corrected area 405 sq.cm.
		Area of catadioptric portion	Corrected area 1520 sq.cm
		Divergence Main/Emergency	20°.59.99' (Horizontal.), 13° 44.7' (Vertical)
		Duration of Flash Main /Standby/Emergency	0.3 Sec
		Pedestal	Ball bearing type
		Rotation Device	i) Electrically operated 40 kgcm ² stepper Motor for direct drive ii) Clockwork machine with hand winding of Standby
		R.P.M.	3
		Illumining	Cluster 150 W/230 V AC MH Lamp - 3 nos.
		Main	
		Standby	

		Emergency:					
		Date of Installation	07/09/2010				
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	1,23,258 Candela				
		Emergency					
9	लैंटर्न/Lantern	Diameter	2.4m				
		Height of glazing	1.38m				
		No. of panes	12				
		Ventilators	08				
10	RACON	Sr. No 6183					
	Make	Model	Code				
	Tide land, Sea Beacon system 6	---	'G'				
			Power Supply				
			12V100Ah,SMF12v olt Battery, Charging by70watt solar panel "TATA BP"make,				
			Date of Installation				
			24/08/2004				
11	NAIS –NA						
	Base Station	R-40 02 Nos					
	Model	Type	Power	MMSI			
	Communication Equipment						
	VSAT Antenna	Band	Modem				
12	ऊर्जा के साधन/Source of energy	Mains	440V/3-phase/50 Hz				
		Power Source	Diesel engine generator set for standby diesel generators : 2 nos.				
		Engine 1					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Koel –igreen Kirloker greenchilly	2	83 HP	4	1500	Radiator
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase
		Kirlosker	2	62.5 KVA	415V/87A	50Hz	Three
		Solar Plant					
		Capacity PV	Numbers	Type	Battery	Bank	
		14.4 KWP	60 Nos	HBL makes	----	01 No.	
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers						
	Make	Model	Capa	Input	Output	Phase	Qty
	Servomax		15 KVA / 65 Amp	230V ± 1.0%	230V ± 1.0%	Single	3

	Delta		12.5 KVA / 54 Amp	160 – 260 V AC, 50 Hz	230V ± 1.0%	Single	1	
	Delta		05 KVA / 65 Amp	160 – 260 V AC, 50 Hz	230V ± 1.0%	Single	1	
14	बैटरी Batteries							
	Equipment	Type	Make	Volt	Amp/Hr	Qty	Date of Inst.	
	DG SET-1		Koel green kg lead acid	12V	100AH	1	08.07.2 021	
	DG SET -2		Koel Green Kg Lead Acid	12V	100AH	1	08.07.2 021	
	RACON		Amaron SMF	12V	100AH	1	06.09.2 019	
	EMERGENCY)MAIN LIGHT (Exide SMF	12 Volt 6) CELL2 v per cell(200AH	3	24.09.2 017	
	ROTATION (FOR MAIN LIGTH) रचना		Exide SMF	12 Volt	200AH	1	24.09.2 017	
	AUTOMATION							
15	बैटरी चार्जर/ Battery charger							
	Equipment	Make	Model	Type	Rating	Qty	Date of Inst.	
	General Purpose	Aplab make Digital P.S.)for rotation(0-32V / 10 Amp.	01	17.08. 2002	
		Argo make Charger			0-80 V/ 30 Amp.	01	26.02. 2002	
	Automation		---	----				
16	इंवर्टर Inverter /UPS							
	Equipme nt	Nos	Make	Model	Type	Rating	Qty	input out put
	Main Light							
	NAIS PSS	01	APC			1KVA/12 V	01	

		01	Kesariya			1KVA/12V	01		
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	10			
				Water Co2	6.5 kg	02			
					2 kg 6.8 kg	01 01			
Foam Type	9ltr	01							
19	संचार Communication			E Mail			gopnathlightdgps@gmail.com		
20	जलपूर्ति Water Supply			i) Water provide by private party through pipe line to our underground tank and water supply to quarter through pipe line from overhead tank ii) 6000 litter tank for rain water harvesting each quarter and one common tank/sump For rain water harvesting					
21	भूमि Land			Area			4.85 Acere		
				Demarcation			Compound wall on all the four sides		
22	इमारतें Buildings			RCC Structure: 16 Nos			LH tower, Power house, DB panel room, diesel room ,AE quarter,, SRT quarter, Two NA-IIIqtr,IQ, One Twin unit of NA-II quarter, one twin unit of LHA quarter, Tx. Building and coil hut m museum building, fountain musical room.Security Guard cabin, ticket window cabin		
				Timber Construction above plinth level					
23	कंपाउंड लाइट Compound Lights			i)20 nos. High must LED streetlight ii) 2 nos. Led door gate main Gate iii) FLUD Light- 03 (group of 3) .Area: lanscap1, lanscap2, in front of Museum building					

		iv) Decorative light- nos.54 (bolard-walking area), -nos.15 (lanscap2 & selfi point)	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera DVR	
25	स्टाफ Staff	Sl. No	Designations
		1	Assistant Engineer (E -01
		2	Senior RT -1(Post vacant)
		3	NAVIGATIONAL ASST-II -2 Post
		4	NAVIGATIONAL ASST-III-2 (One Post vacant)
		5	Lighthouse Attendant-2)One Post vacant(
26	पहुँचने का माध्यम Mode of approach	By railway upto Bhavnagar then 80 km by Road upto lighthouse vaya talaja	
27	उपलब्ध सुविधाए Facilities available	Police station, Dispensary at Talaja 25 km from lighthouse. High school and Post office at Pithalpur 8 km. from Lighthouse	
28	डाकपता Postal address	Assistant Engineer (E) Gopnath Lighthouse&, DGPS station P.O. Ralia, Via- Pithalpur, Dist. Bhavnagar (Gujarat). Pin – 364 135.	
29	मूल्य का ब्योरा Cost details (At the time of Construction)	3,90,000/-	
30	प्रवर्तन मे लाने का दिनांक Date of commissioning	30/03/1983	