

मास्टर लेजर/MASTER LEDGER

क्र सं/ Sr.N o	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0754	
2	स्थान/Position	Lat.11° 28.13' N , Long 73° 00.46' E	
3	ऊंचाई/Elevation	41.43 M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (1) W 10 sec	
5	नॉटिकल माइलमेदूरी Range in miles	18NM	
6	दीपस्तंभ टावर/L.H.Tower	Type	Circular CC Block Masonary tower
		Height	37M
		Colour Scheme	Red and White Band
7	ऑप्टिकल उपकरण Optical equipment	Optic	
		Make	J Stone & Co,Calcutta,India
		Type	Revolving type
		Size	300mm,4 th order
		No. of lens	2
		Area of dioptric portion	405 Sq. cm
		Area of catadioptric portion	1520 Sq. cm
		Divergence Main/Emergency	0.68° (Horizontal) 0.34° (Vertical)
		Duration of Flash	0.53 Sec
		Pedestal	Ball bearing type
		Drive	Dual stepper motor(20Kg/cm ²),1 No.as standby
		R.P.M.	3
		Illuminant	Metal Halide Lamp
		Main	230V/3 x 150 W Metal Halide Lamp cluster
		Standby	NIL
		Emergency:	NIL
8	प्रभावी बीम तीव्रता/ Effective beam intensity	Main	256989 Candela
		Emergency	NA
9	लैंटर्न/Lantern	Make	AGA/FLEM-24
		Diameter	2.4 m
		Height of glazing	1.380m
		No. of panes	12
		Ventilators	8
		No.spare panes	2
10	RACON	Sr. No	6571

	Make	Model	Code	Band	Date of Installation	
	Tideland	Sea Beacon-2 System-6	O	(X+S Band)	29/02/2008	
11	NAIS					
	Base Station		2 Nos.Base stations(Make:SAAB)			
	Model	Type	Power	MMSI		
	R40	Class A	AC-230V & DC-12V	---		
	Communication Equipment					
	VSAT Antenna	Band	Modem	Model		
	2.4m dia parabolic reflector	EX-C	Hughes	HT2300		
12	ऊर्जा के साधन/ Source of energy		Mains			420V,AC,50Hz power supply
			Emergency Source			DG Set 7.5 KVA Make:Kirloskar
			Engine			
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
	Kirloskar	1	16 BHP	2	1500	Air
			Alternator			
	Make/Type	Qty	Rating	Voltage/Am p	Frequency	Phase
	Kirloskar	1	7.5 KVA	240V/31.3A	50Hz	Single
			Solar Plant for Main RACON			
	PV Capacity	Numbers	Make	Type	Battery	
	70W/ 12V	01 No.	BHEL	Monocrystalline	12V/150AH	
13	स्वचालित वोल्टेज स्टेबलाइजर/Automatic Voltage Stabilizers					
	Make	Model	Capacity	Input	Output	Phase Qty
	Automatic Electric Ltd	N/A	7.5KVA	180-250VAC	230-235 VAC	Single 01
14	बैटरी/Batteries					
	Equipment	Type	Make	Volt	Amp/Hr	Qty
	PSS NAIS	SMF	Exide	12V	150A H	2
	Genset	Lead acid	SF Sonic	12V	100AH	1
	Automation	Lead acid	Exide	12V	150 AH	2
15	बैटरी चार्जर/ Battery charger					
	Equipment	Make	Model	Type	Rating	Qty Remarks
	General Purpose	Savage		Manual	25A	01 U/S,(5 Nos.charger were available.4Nos. sent to DLL office Kochi for maintenance)
	Automation	NHP	---	Automatic	20 A	01
16	इंवर्टर Inverter /UPS					

	Equipment	Nos	Make	Model	Type	Rating	Input	Output
	Main Light	03	Sukam	Shiny	Pure sine wave	900 VA	12V DC & 230 VAC	230VAC
	NAIS PSS	01	Sukam	Shiny	Pure sine wave	1 KVA	24 V DC & 230 VAC	230VAC
17	स्वचलन उपकरण/Automation Equipment							
	Make	PLC	HMI	Power Supply	VSAT	Modem	Band	
	M/s.Recktronics Devices& Systems, Pune	Allen Bradley & Mistubishi	Renu Electronics Pvt Ltd	24 V DC	1.8m dia Parabolic reflector	Hughes	EX.C	
18	आग्निशमन उपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make	
				DCP Type	4 kg	2	Flameblitz	
				Co2 type	4.5 Kg	2	Flameblitz	
				Foam Type	9 L	2	Flameblitz	
				Fire Bucket	--	3	--	
19	संचार Communication	BSNL Landline connection with broadband connection 04898 272353						
20	जलपूर्ति Water Supply	2 Nos. HDPE water tank,2 Nos.concrete tank(u/s) for rain water harvesting. 2 Nos. open well provided at station compound,but 1 Nos. is abandoned due to high salinity of water						
21	भूमि Land	Area			3280 sq.m			
		Demarcation			Masonry compound wall			
22	इमारतें Buildings	RCC Structure: 05 Nos			Power House-cum office room,Inspection quarterT,HLK quarter,twin ALK Qtrs & twin quarter for LHA & LHS			
23	कंपाउंड लाइट Compound Lights	LED Light fitted on G.I Pole-07 Nos and 4Nos. Light fittings at main gate						
24	सी सी टीवी कमेरा CCTV Camera	-----						
25	स्टाफ Staff	Sl. No	Designations					
		1	Navigational Assistant Grade III					
26	पहुंचने का माध्यम Mode of approach	By Ship from Kochi to Kiltan Island.From Kiltan Island main jetty to Lighthouse station by road and approximate distance is 3 KM						
27	उपलब्ध सुविधाएँ Facilities available	Police station :2 KM from Lighthouse Govt.primary health centre: 2 KM from Lighthouse Post office:500 metre from Lighthouse						
28	डाकपता Postal address	Head Light Keeper Kiltan Lighthouse Kiltan PO UT of Lakshadweep PIN:682558						
29	मूल्यकाब्योरा Cost details (At the time of Construction)	Cost of construction:Rs 8,88,000/- Cost of equipment:Rs 4,31,000/-						

30	प्रवर्तनमेलाने का देनांक <i>Date of commissioning</i>	06.04.1977
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