

मास्टर लेजर/MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0648	
2	स्थान/Position	Lat. 13 ⁰ 57.9'N , Long. 74 ⁰ 32.0'E	
3	ऊंचाई/Elevation	56 m	
4	अभिलक्षण/Characteristic	fl (2) W 20 Sec. (fl 0.23, Oc 4.77, fl 0.23, ec. 14.77) absurd by Hog Island 1298 to 132 ⁰ x 3'	
5	नॉटिकलमाइलमेदूरी Range in miles	i) Luminous	:20 NM
		ii) Geographical	:19 NM
6	दीपस्तंभटावर/L.H.Tower	Type	Square Masonry Tower
		Height	14m
		Colour Scheme	White
7	ऑप्टिकलउपकरण Optical equipment	Optic	Fresnel Lens
		Make	B.B.T.
		Type	Revolving
		Size	250 mm (4 th order)
		No. of lens	2 (each 135 ⁰)
		Area of dioptric portion	755 sq. cm.(corrected area 536 sq.cm)
		Area of catadioptric portion	3222 sq. cm. (corrected area 1772sq.cm)
		Divergence Main/Emergency	Horizontal – 12.54 ⁰ , Vertical – 9.12 ⁰
		Duration of Flash Main /Standby/Emergency	0.70 Sec.
		Pedestal	Mercury Float (21.75 Kg in use)
		Rotation Device	Dual Stepper Motor 40 Kgcm with auto change over
		R.P.M.	3
		illuminating	
Main	3 x 150W Metal Halide Lamp cluster		

		Standby							
		Emergency:	220V, 1000 W electric lamp						
		Date of Installation	18.03.1954						
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	123505 cd						
		Emergency	26000 cd						
9	लैंटर्न/Lantern	Diameter	1.80 m						
		Height of glazing	1.05 m						
		No. of panels	6						
		Ventilators	7						
10	RACON n/a		Sr. No	6295					
	Make	Model	Code	Band		Date of Installation			
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11	NAIS								
	Base Station								
	Model	Type	Power		MMSI				
	R40	SAAB	230V		4192237				
	Communication Equipment								
	VSAT Antenna	Band	Modem						
	2.4m dia Parabolic Reflector	EX-C	Datum system M7LT Satellite Terminal		-		-		
	DGPS	N/A							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization	
	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	
12	ऊर्जासिाधन/ Source of energy	Mains		-					
		Standby		-					
		Engine 1							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		KIRLOSKAR/ EA-16	01	11.8k 16	2	1500	AIR		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
		KIRLOSKAR	01	7.5KV a	240V/ 31.2A	50HZ	1		
		Engine 2							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		Alternator							
Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase				

		Solar Plant							
		Capacity PV	Numbers	Type	Battery	Bank			
		Power max 200Wp Voltage at pmpp 17.5V, Current at pmpp 11.42A	3	Monocrystalline	Exide 150 AH/12V	1			
		Solar Plant for Main RACON							
		Capacity PV	Numbers	Type	Battery	Bank			
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13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty	y	
	V S POWER SYSTEMS	VSP/SERVO/AIR - INDIA 22001069	5kva	160-260	240	1	01		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	MF	HBL	12V	150ah	02			
	Genset	MF	LUMINOUS	12V	150AH	01			
	Automation								
	DGPS								
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	KDB		EXTERNAL	12V/7A	01			
	Automation								
16	इंवर्टर Inverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output
	Main Light	03	EXIDE	EXIDEP850	12V	850VA/68 0W	3	220VAC 5A	220V
	NAIS PSS	01	EXIDE	EXIDE 1450 DSP PST UPS	24V		1		
	DGPS								
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	NELCO	Telemecanique 4 PORT SWITCH	SCHNEIDER ELECTRIC	24V DC	--	SKY EDGE			
18	आग्निशमनउपकरण		Type of Extinguisher		Capacity	Nos	Make		

	Fire Fighting Equipment	DCP Type(u/s)	-NA-	-	-
		DCP Type(u/s)	-NA-	-	-
		Foam Type(u/s)	-NA-	-	-
		Water Type(u/s)	-NA-	-	-
		DCP Type	-NA-	-	-
19	संचार Communication	BSNL Tel. No : 08385- 295007			-
20	जलपूर्ति Water Supply	Natural Spring Source pumped by Centrifugal Pump coupled to 1 HP Single Stage Electric Motor.			
21	भूमि Land	Area		0.678 Hectare	
		Demarcation		Boundary wall	
22	इमारतें Buildings	One unit of power house, pump house, one unit of Insp. Qtrs 3 rooms attached to Tower, one Unit of HLK quarters, Twin unit of ALK quarters, one unit of ALK Qr., one twin unit of LHA & Safaiwala quarters.			
23	कंपाउंडलाइट Compound Lights	11 nos.			
24	सीसीटीवीकमेरा CCTV CAMERA	Camera		-	
		DVR		-	
25	स्टाफ Staff	Sl. No	Designations		
		1	NAVIGATIONAL ASSISTANT GRADE II		
		2	NAVIGATIONAL ASSISTANT GRADE III		
26	पहुँचनेकामाध्यम Mode of approach	By rail upto Bhatkal and 10 Km by road upto Mavin Kurve village and by road on hill upto lighthouse.			
27	उपलब्धसुविधाए Facilities available	Marine Police Station	Coastal Police 42km, Town Police 6 km		
		Dispensary	7 km		
		High School	6 km		
		Post office	6 km		
28	डाकपता Postal address	STATION IN CHARGE Bhatkal Lighthouse, P.O. Marvinkurve Via Bhatkal Dist. Uttara Kannada PIN – 581320			
29	मूल्यकाब्योरा (At the time of Construction) Cost details	--			
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	15.04.1959			