

## मास्टर लेजर/MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name Betul Lighthouse	विवरण/Description	
1	ए.एल.ओ.एल./A.L.O.L.	F 0631	
2	स्थान/Position	15° 08'.41.7" N 73° 57'29.6" E	
3	ऊंचाई/Elevation	89 M	
4	अभिलक्षण/Characteristic	FL4 (W) 15S	
5	नॉटिकलमाइलमेदूरी Range in miles	22NM	
6	दीपस्तंभटावर/L.H.Tower	Type	octagonal shaped RCC
		Height	15 mtrs
		Colour Scheme	spiral band red & white
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	3STECHS
		Type	Revolving
		Size	Dia 550 mm Height 900mm
		No. of lens	3 tyre 3 panel (each panel 3 led lights)
		Area of dioptric portion	11.111
		Area of catadioptric portion	110
		Divergence Main/Emergency	2.5 degrees
		Duration of Flash Main /Standby/Emergency	Flash (1) white 15 sec
		Pedestal	GI round (circular)
		Rotation Device	Stepper motor
		R.P.M.	4 RPM
		illuminating	3X 30 Watts=90 watts Led lamp
		Main	Goa Electricity board Single phase
		Standby	D.G Set single phase
Emergency:	-----		
Date of Installation	Subsequent innovations 2021		
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	
		Emergency	NA
9		Diameter	2.4 M

	लैंटर्न/ <i>Lantern</i>		Height of glazing		1.4 M				
			No. of panes		12				
			Ventilators		06				
10	RACON		Sr. No		6295				
	Make	Model	Code		Band		Date of Installation		
11	NAIS								
	Base Station								
	Model	Type	Power		MMSI				
	Communication Equipment	-	-		-				
	VSAT Antenna	Band	Modem		-				
	2.4m dia Parabolic reflector	EX-C	Datum system M7LT Satellite Terminal						
	DGPS								
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization	
	-	-	-	--	-	-	-	-	
12	ऊर्जासिाधन/ <i>Source of energy</i>	Mains			State electricity 230VAC				
		Standby							
		Engine 1							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		Kirloskar	01	15kva	2	1500	Air		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Am p	Frequency	Phase		
		Kirloskar	01	15 kva	62.5	50.HZ	Single phase		
		Engine 2							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		-	-	-	-	-			
		Alternator							

		Make/Type	Qty	Rating	Voltage/Am p	Frequency	Phase		
		-	-	-	-	-	-		
		Solar Plant							
		Capacity PV	Numbers	Type	Battery	Bank			
		400W	100Wx4	Monocrystall ine	100AH/12V	2			
		Solar Plant for Main RACON							
		Capacity PV	Numbers	Type	Battery	Bank			
<b>13</b>	स्वचालितवोल्टेजस्टेबलाइजर <b>Automatic Voltage Stabilizers</b>								
	Make	Model	Capa city	Input	Output	Phase	Qty		
<b>14</b>	बैटरी <b>Batteries</b>								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	--							
	Genset	SMF	KOEL	12v	75ah	1			
	Automation	--							
	DGPS	--							
<b>15</b>	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Mod el	Type	Rating	Qty			
	General Purpose	-NA-							
	Automation	-NA-							
<b>16</b>	इंवर्टर Inverter /UPS								
	Equipme nt	Nos	Make	Model	Type	Rating	Qt y	input	out put
	Main Light	01	MW	ISI-501	-	500 WATTS	01	24 V	230 V
	NAIS PSS	-NA-							
	DGPS	-NA-							
<b>17</b>	स्वचलनउपकरण <b>Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	-NA-								
<b>18</b>	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				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 <b>Communication</b>	08322914478			
20	जलपूर्ति <b>Water Supply</b>	Bore well 245 ft			
21	भूमि <b>Land</b>	Area		0.198 Acres	
		Demarcation		Compound wall	
22	इमारतें <b>Buildings</b>	Staff Quarter 2 Nos	Inspection Quarter 1 No	Office 1 No, power House 1 No Store room 1 No	
23	कंपाउंडलाइट <b>Compound Lights</b>	06 Nos			
24	सीसीटीवीकमेरा CCTV CAMERA	Camera			-NA-
		DVR			-NA-
25	स्टाफ <b>Staff</b>	Sl. No	Designations		
		1	Navigational Assistant Grade II		
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	Nearest rly station margoa 22 km			
27	उपलब्धसुविधाए <b>Facilities available</b>	Marine Police Station	5.6 KM		
		Dispensary	9.8 KM		
		High School	2.4 KM		
		Post office	4 KM		
28	डाकपता <b>Postal address</b>	Betul Lighthouse post:-velim:-salcete south Goa			
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	-			
30	प्रवर्तनमेलानिकादेनांक <b>Date of commissioning</b>	2014			