

मास्टर लेजर/MASER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description		
1	ए. एल. ओ. एल/A.L.O.L.	0709		
2	स्थान/Position	Lat.9° 8' 24.498'' N , long 76° 27' 43.68'' E		
3	ऊंचाई/Elevation	49m (Above MSL)		
4	अभिलक्षण/Characteristic	Flash (3) White-20 seconds (1+2.5+1+2.5+1+12)		
5	नॉटिकल माइल मे दूरी Range in miles	22NM		
6	दीपस्तंभ टावर/L.H.Tower	Type	Pentagon RCC	
		Height	41.26m	
		Colour Scheme	Blue and White Band	
7	ऑप्टिकल उपकरण Optical equipment	Optic		
		Make	Marine Navidas and Solar Auto PVT,LTD	
		Type	Revolving beacon	
		Size		
		No. of LED Panels	6	
		Area of dioptric portion		
		Area of catadioptric portion		
		Divergence Main/Emergency	Local Mains 440 V, 3 phase,50 Hz AC supply	
		Duration of Flash Main /Standby/Emergency	Back-upSolar Inverter supply from battery. Diesel Engine Generator 1 no with Aouto	
		Pedestal		
		Rotation Device	24 volt DC motor	
		R.P.M.	1	
		Illuminant	LED panel	
		Main		
Standby	Generatort set 1no (3 phase)			
Emergency:	Marine Navaidas and solar Auto pvt Ltd			
Date of Installation	03-06-2021			
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	2,00000 cds	
		Emergency		
9	लैंटर्न/Lantern	Diameter	2.5 m	
		Height of glazing	1.4m	
		No. of panes	12	
		Ventilators	6	
10	RACON	NIL		
	Make	Model	Code	Band
				Date of Installation
11	NAIS	NIL		
12	ऊर्जा के साधन/ Source of energy	Mains		
		Power Source	DG Set 30 KVA make Eicher	
		Engine 1		

	Make/Type 4 stock	Qty	Rating	No of Cylinder	RPM	Cooling		
	Eicher	1	48.2 BHP	3	1500	Air		
	Alternator							
	Make/Type Lerroysomer	Qty	Rating	Voltage/Amp	Frequency	Phase		
	Stamford	1	33.64 KVA	240V/ 130.4 A	50Hz	3		
	Solar Plant							
	Capacity PV	Numbers	Type	Battery	Bank			
2 KW off Grid	165 W – 10 Nos	Mono crystalline	24VDC – 02 Nos	01				
13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers							
Make	Model	Capacity	Input	Output	Phase	Qty		
Servo Voltage stabilizer. 03 .nos	SAN115	15 .KVA	160-260. V	230-235.V	Single phase	0 3.Nos		
14	बैटरी Batteries							
Equipment	Type	Make	Volt	Amp/ Hr	Qty			
Main Lamp	Lead acid	Exide-	12 V	150Ah	4.nos-			
Genset	Lead acid	Amaron	12V	90 Ah	1			
Automation	NIL							
DGPS								
15	बैटरी चार्जर/ Battery charger							
Equipment	Make	Model	Type	Rating	Qty			
General Purpose								
Automation	SHARP	1032 0003 3801 0---	IN put 0, 230,AC Out Put 48 V ,DC	20 Amps	01			
16	इंवर्टर Inverter /UPS							
Equipment	Nos	Make	Model	Type	Rating	Qty	input	Output
Main Light	02	Gamma Solar,PCA	XGPX7BBLT02KB0025 64	1 KVA	24 VDC,45-90VCD	02	45-90 DC	230 V,AC
SOLAR PANNEL	10 Nos	Luminous	LUM 12165		165 watts	10. Nos	P.P-166.58 PV. 18.65v	
Elevater	1 .no	M/s Axis		3 phase motor,4kw	340 kgs/5 person	1. No		
17	स्वचलन उपकरण Automation Equipment NIL							
MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
18	आग्नि शमन उपकरण Fire Fighting Equipment		Type of Extinguisher	Capacity	Nos	Make		
			ABC Type	2 kg ,	2			
			ABC Type	4kg	1			
			ASES Type	-	1			

19	संचार Communication	Telephone .04792999613	
20	जल पूर्ति Water Supply	Kerala water authority and Rain water is collected at sump ,capacity 41 Kilolitres from there it pumped to an overhead tank of capacity 5000 liters using 1.5 hp, 230 v.motor .	
21	भूमि Land	Area	0.1456hectre
		Masonry Compound wall	
22	इमारतें Buildings	RCC Structure: 05 Nos	Power House with office cum store,1 st floor LHA Qtr 1 LH -Incharge Qtr-1 Inspection Qtr -1 , LH Tower -1 Security room -1 and Engine room -1
23	कंपाउंड लाइट Compound Lights	LED Light fitted on G.I Pole-04 Nos Small type LED Light fitted on GI 08 Nos	
24	सीसीटीवी कमेरा CCTV CAMERA	Camera	CP Plus -12 Nos
		DVR	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr 11- 1no
		2	LHA on contract 1 no, Security on contract 1 no, Ticket coun -1 no
26	पहुँचने का माध्यम Mode of approach	By Rail upto kayamkulam junction then 10.Km from Light house by road up to Valiyazhikkal Light house ,Transport bus stand is 10 .Km away (Ochirra and Karungappally and Kayamkulam.)	
27	उपलब्ध सुविधाएँ Facilities available	The nearest Post office, Primary health Dispensary, High School, Police Station at Thrikunnapuzha 15 Km are available .	
28	डाक पता Postal address	Light house in- chargr , Valiyazhikkal Light house , Valiyazhikkal -post, Kayamkulam, Alapuzha ,Pin: 690515.	
29	मूल्यका ब्योरा Cost details (At the time of Construction)		
30	प्रवर्तन मे लाने का देनांक Date of commissioning	30.10.2021	