

मास्टर लेजर/MASER LEDGER

क्रमसंख्या/ Sr.No	नाम /Name	विवरण /Description	
1	ए. एल. ओ. एल/A.L.O.L.	F-0712	
2	स्थान/Position	Lat. 08°53'N , long 76°34'E	
3	ऊंचाई/Elevation	43 mt.(BasetoVane) 38mt.(Base tolightbeam)	
4	अभिलक्षण/Characteristic	Groupflashofthreeinevery15Seconds. (0.2+2.8+0.2+2.8+0.2+8.8=15Sec)	
5	नॉटिकल माइल मेट्री Range in miles	26Nm	
6	दीपस्तंभ टावर/L.H.Tower	Type	CircularBrickmasonryTower (OutsideplasteredinDecember2002)
		Height	35mt.
		Colour Scheme	Red andWhite Spiralstrips
7	ऑप्टिकल उपकरण Optical equipment	Optic	RevolvingOptic
		Make	M/S CHANCEBros.&Co.
		Type	2 rd Order
		Size	700mm
		No. of lens	3panel
		Area of dioptric portion	10500sq.cm
		Area of catadioptric portion	10200sq.cm
		Divergence Main/Emergency	4°30' (Horizontal) 3° 41' (Vertical)
		Pedestal	Mercuryfloat(89.2Kg.mercuryin optic)
		Rotation Device	2no's Steppermotor 40Kg - cm Clockworkmachinewith hand winding(Standby)
		R.P.M.	4RPM
		Illumining	MetalHalideLamps
		Cluster/ Singleended	Clusterof3 Nos150W/230V
Date of Installation	01-03-1902		
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	127950 Candelas
		Emergency	
9	लैंटर्न/Lantern	Diameter	3.65mt.
		Height of glazing	1.83mt.

		No. of panes	32 Nos (in two tier), (24 Nos as glass panes, 8 Nos as M.S blanksheetonthelandside)				
		Ventilators	13Nos				
11	NAIS						
	Base Station	2 Nos-AIS1 & AIS2 (SAAB)					
	Model	Power	Sr.No				
	R40	230V	5241,5287				
	Communication Equipment						
	VSAT Antenna	Modem					
	2.4m dia Prod Elin	Datum systems-PSM-500L					
12	ऊर्जासाधन/ Source of energy	Mains		Local Mains440V,3 ϕ ,50Hz,ACSupply			
		Emergency		Back-upUPS Supplyfrom Battery			
		Stand By		Diesel EngineGeneratorsetwithAuto ON-OFF.			
		3 No of Diesel Generator sets					
		Engine 1(U/S)					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Kirloskar	1	7.5KVA	2	1500	Air
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amper	Frequency	Phase
		Kirloskar	1	7.5 KVA	240V	50Hz	Single
		Engine 2					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Kirloskar	1	25KVA	3	1500	Air
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amper	Frequency	Phase
		Kirloskar	1	25 KVA	240V	50Hz	Three
		Engine 3					
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling
		Eicher	1	15KVA	3	1500	Air
		Alternator					
		Make/Type	Qty	Rating	Voltage/Amper	Frequency	Phase
	Stamford	1	15 KVA	240V	50Hz	Single	
	2KVA OFF Grid Solar Plant						
	Capacity PV	Numbers		Type	Battery	Bank	
	250 watts	01 No.		OFF Grid	24Nos (Amara raja) 2V/200AH (U/S)	01 No.	

13	स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers					
	Make	Capacity	Input	Output	Phase	Qty
	SUPRA, SH-175	7.5KVA	230V	203-248V	single	1
14	बैटरी Batteries					
	Equipment	Type	Make	Volt	Amp/Hr	Qty
	PSS NAIS	Tubular	Amaron	12V	150AH	2
	MainLamp-1	SMF	Exide	12V	150AH	1
	MainLamp-2	SMF	Exide	12V	150AH	1
	MainLamp-3	SMF	Exide	12V	150AH	1
	Stepper Motor	SMF	Exide	12V	150AH	1
	Genset(7.5KVA)	SMF	HBL	12V	160AH	1
	Genset(25KVA)	Electrolyte	Exide	12V	100AH	1
Genset(15KVA)	Electrolyte	TATA	12V	88AH	1	
15	बैटरी चार्जर/ Battery charger					
	Make		Volts	Rating	Qty	
	Delta electric Corp,Sl.no.1094E/112		0 to 30V	15Amps	01	
16	AEmakeSl.no.6080/8/99					
	0 to 30V					
	15 Amps					
	01					
	इंवर्टर Inverter /UPS					
	Sl.no	Make	Rating	Output Volts	Capacity	Used for
	1.	V-Guard	12V	230V	1100VA	MainLamp-1
2.	V-Guard	12V	230V	1100VA	MainLamp-2	
3.	V-Guard	12V	230V	1100VA	MainLamp-3	
4.	V-Guard	12V	230V	1100VA	MainLamp-4	
5.	Supra	24V	230V	1000VA	NAIS	
6.	V-Guard	12V	230V	1000VA	CCTV	
17	स्वचलन उपकरण/ Automation Equipment					
	Sl.No	Name of the equipments	Make	Rating		Quantity
		Power room RTU				
	1	PanelMonitor(HMI)	Renu Electronics Pvt.Ltd	HMIDisplay-FP5070T Sr.NoCI4812178198		1No
	2	PLCunit	Allen Bradley	Micro Logix 1400		1No
	3	V-SATModem	Hughes	---		1No
	4	V-SAT Antenna	1.2m Día	---		1No
	5	D-LinkswitchEthernet	---	---		
6	SMPS unit	NHP	I/P-230ACO/P-24VDC/5A		1No	
7	DCSignalisol	ADEPT6200series	4-20mA		1No	

		ator			
	8	AdapterforV-sat modem	Hughes	I/P- 100-240VAC/ 2A O/P- 6.4W	1No
	9	Relays	IDEC/Omron	12VDC/ RU4S D24	4+5Nos
	10	MCB	SchneiderElectric	4Pole/2pole	1+2Nos
	11	Transducer	AdeptFluid dyne	---	3Nos
	12	Rotary On-OFFSwitch	---	---	5Nos
	13	IndicationLamp	---	---	45Nos
	14	Buzzer with indicating lamp	---	---	1No
	15	Push button switch	---	---	2Nos
	16	CT/Shunt	AmolElectricals	50/5A SrNo-520	1No
	17	SurgeProtecting Device	Elpro-CDS40/320/	255AC/320AC	2Nos
		Service Room RTU			
	1	PLCunit	PSU	Sr No-2211(6)	1No
	2	SMPS unit	NHP	I/P-230V/O/P-24V/5ADC	1No
	3	Transducer	AdeptFluidyne	- - -	5Nos
	4	Relays	IDEC/IDEC/Omron	24VDC/RU4S-A220/RU4S-D2A/12VDC	7+2+1 +2Nos
	5	MCB	SchneiderElectric	2Pole/1pole	1+7Nos
	6	Rotary On-OFFSwitch	---	---	5Nos
	7	IndicationLamp	---	---	33Nos
	8	Buzzer with indicating Lamp	---	---	1No
	9	Push button switch	---	---	1No
	10	ProximitySwitch	Ideal	6-36VDC/200-300mA	1No
	11	LightIntensity Sensor	ABLE Instruments &Controls	10-20000Lux O/P-4-20mA/0-10VDC	1No
18	आग्नि शमन उपकरण Fire Fighting Equipment				
	सं No	स्वरूप Type	मात्रा Qty.	क्षमता Capacity	बनावट Make

	1	सिऑ ₂ / CO ₂	2	4.2Kg	Flameblit zz
	2	डिसिपि / D.C.P.	2	1Kg	Flameblit zz
	3	डिसिपि / D.C.P.	3	2Kg	Flameblit zz
	4	डिसिपि / D.C.P.	4	4Kg	Flameblit zz
	5	फॉम / Foam	2	9litrs.	Flameblit zz
19	संचार Communication		BSNLPhone		0474-2795619 Telephone providedatOfficerroom.
20	जल पूर्ति Water Supply		Water Supply available-KeralaWaterAuthority. Open wellprovidedintheLighthousecompoundwithoverhea dtankofcapacity5000litresusing1HP,230 V,1Ømotor.		
21	भूमि Land		37.81 Ares for Light house and 03.80 Ares for Lighthouseofficer'squarters.(Total:41.61 Ares. 0.4161Hectare)		
22	इमारतें Buildings		1.Power House with office, Store and SS Power room. 2.Lighthousetower. 3.Inspectionquarters. 4.NA-I&NA-IIquarters. 5. NA-II & LHA quarters. 6.Ticketcounter,MiniMuseum&Cafeteria. 7.Toiletblock.		
23	कंपाउंड लाइट Compound Lights		Havellsmake11no's LEDlights.		
24	सीसीटीवी कमेरा CCTV CAMERA		Camera	12Nos	
			DVR	01 Nos	
25	स्टाफ Staff		Sl. No	Designations	
			1	Navigational Assistant Gr-I:1 No.	
			2	NavigationalAssistant Gr-II:1 No.	
			3	NavigationalAssistantGr-III:1No.	
			4	LighthouseAttendant :1No.	
26	पहुँचने का माध्यम Mode of approach		ByrailuptoQuilonthen5KmbyroaduptoLighthouse.		
27	उपलब्ध सुविधाएँ Facilities available		Policestation at Pallithottam 3.5Km from Lighthouse and Dist.Hospital,Kollam 4Kmf rom Lighthouse. Postoffice at Thangasserri 500 m fromLighthouse.		
28	डाक पता Postal address		NavigationalAssistantGr .I,ThangasseripointLight house,Thangasserri(P.O)		

		KollamDist.Kerala-691007
29	मूल्य का ब्योरा Cost details (At the time of Construction)	N/A
30	प्रवर्तन में लाने का देनांक Date of commissioning	01.03.1902

31.NAVTEXRECEIVER

Sl.No	Particulars	Make	Sr.No& (ModelNo)	Quantity
1	NAVEXReceiver(Sirius-3NAVEX)with Antennaunit	-	-	1no DOI:08.04.2016
2	Epson(LQ-50)Printer	-	Sl.no: MWCY007161 Model: PA51A	1no DOI:08.04.2016
3	Desktopcomputer	Acer	Sl.no: UXB1JSIY9412598637 With20"Monitor.M odel:Veriton- IC6705K	1no DOI:28.12.2018
4	UPS(600VA)	V-Guard	Sl.no:VV1303528099 Model:SlenderPlus600	1no DOI:28.12.2018

32.Elevator

Sl. No	Equipme nt	Make	Particulars	Quantity	DOI
1	Elevator	M/s Infra Elevators Cochin.	Capacity-408Kgs / 5 PersonsAEmake stabilizer, servo, Sln0.0916/E50 897/1Model:EM 8-12-3FT-215C Motor-3ø/10kva	1No	03-12-2016
		VVVF Drive 1 3000GLS	5.5KW	1No	03.12.2016
			UPSSinglephase ,2KVA	1No	03.12.2016
		VFController	Model: NICE3000	1No	03.12.2016