

## मास्टर लेजर/MASER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Description		
1	ए. एल. ओ. एल/A.L.O.L.	F 0710		
2	स्थान/Position	Lat.8° 59.8' N , long 76°32.2' E		
3	ऊंचाई/Elevation	20M (Above MSL)		
4	अभिलक्षण/Characteristic	Fl (1) W 5 sec (FL.1 dfark 4sec)		
5	नॉटिकल माइल मे दूरी Range in miles	13.8 NM		
6	दीपस्तंभ टावर/L.H.Tower	Type	Square Masonry Tower	
		Height	15.24M	
		Colour Scheme	Black and White Band	
7	ऑप्टिकल उपकरण Optical equipment	Optic		
		Make	BBT	
		Type		
		Size	250mm 4 <sup>th</sup> order Fixed	
		No. of lens	1	
		Area of dioptric portion	Sq. cm	
		Area of catadioptric portion	Sq. cm	
		Divergence Main/Emergency	(Horizontal) .2° 58' (Vertical)	
		Duration of Flash Main /Standby/Emergency	1 Sec	
		Pedestal	Fixed	
		Rotation Device		
		R.P.M.		
		Illumining		
		Main	230V/500W Double end halogen Lamp	
Standby				
Emergency:				
Date of Installation	14-02-2003			
8	प्रभावी बीम तीव्रता/Effective beam intensity	Main	14500 cds	
		Emergency		
9	लैंटर्न/Lantern	Diameter	2.16m	
		Height of glazing	0.8m	
		No. of panes	8	
		Ventilators	7	
10	RACON		Sr. No	NIL
	Make	Model	Code	Band
				Date of Installation
11	NAIS - NA			
12	Mains		KSEB 440 Volt 3 Phase supply	
	Power Source		DG set 15 KVAMake:Perfect	

	ऊर्जा के साधन/ <b>Source of energy</b>	<b>Engine 1</b>							
		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
		Eicher	1	18.5KW	2	1500	Air		
		<b>Alternator</b>							
		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
		Stamford	1	15 KVA	230V/65.2A	50Hz	Single		
		<b>Solar Plant ON GRID</b>							
		<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
		5KWp	20 Nos	Mono Crystalline 250W	Connected to KSEB grid				
		<b>Solar Plant for Main LIGHT BACK UP</b>							
<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>					
100 W/18V	02 No.	TBP 1275	02 Nos 12V/180AH	01 No.					
<b>13</b>	<b>स्वचालित वोल्टेज स्टेबलाइजर Automatic Voltage Stabilizers</b>								
	<b>Make</b>	<b>Model</b>	<b>Capacity</b>	<b>Input</b>	<b>Output</b>	<b>Phase</b>	<b>Qty</b>		
	Delta	AVR-14-1/1AC	12.5KVA	150-280V	220V	1 Phase	1		
<b>14</b>	<b>बैटरी Batteries</b>								
	<b>Equipment</b>	<b>Type</b>	<b>Make</b>	<b>Volt</b>	<b>Amp/Hr</b>	<b>Qty</b>			
	Main light back up	Lead acid tubular-	Exide	12V	150AH	2			
	Genset	Lead acid	Exide	12V	88AH	1			
	Automation	SMF	Exide	12V	7AH	2			
	Office computer	SMF	Exide	12V	7 AH	2			
<b>15</b>	<b>बैटरी चार्जर/ Battery charger</b>								
	<b>Equipment</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>			
	Lantern room Mainlight backup	DELTA			15A	01			
	Power house	DELTA			15A	01			
<b>16</b>	<b>इंवर्टर Inverter /UPS</b>								
	<b>Equipment</b>	<b>Nos</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>	<b>input</b>	<b>Output</b>
	Main Light	01	Vguard	Nextogen1250	Pure sine wave	1 KVA	1	12V DC & 230 AC	230VAC
	AUTOMATION	01	APC	BR 1000G-IN	Pure sine wave	1 KVA	1	12V DC & 230 AC	230VAC
	SECURITY CAMERA	01	vguard	Sesto1000	Pure sine wave	1 KVA	1	12V DC & 230 AC	230VAC
		01	INTEX	Gamma	Pure sine wave	1KVA	1	12V DC & 230 AC	230VAC
<b>17</b>	<b>स्वचलन उपकरण Automation Equipment</b>								
	<b>MAKE</b>	<b>PLC</b>	<b>HMI</b>	<b>Power Supply</b>	<b>VSAT</b>	<b>Modem</b>	<b>Band</b>		
	RDS Pune	RENU	Schneider	24 V DC	1.2m dia Parabolic reflector	HUGHES	EX.C		
<b>18</b>	आग्नि शमन उपकरण Fire Fighting Equipment			<b>Type of Extinguisher</b>		<b>Capacity</b>	<b>Nos</b>	<b>Make</b>	
				DCP Stored pressure Type Co2 gas		1 kg	1	Flame Blitzz	
						2Kg	4	“	
				4Kg	2				
<b>19</b>	संचार <b>Communication</b>			BSNL LAND LINE WITH INTERNET					
				0476-2680150					

20	जल पूर्ति <b>Water Supply</b>	01 Nos Water sump ,with 4 NOS syntex 500litres tank provided on quarters roof top .water suply from IREL Co.and Panchayath (Water comming rarely)	
21	भूमि <b>Land</b>	Area	0.854hectres
		Demarcation	Sea side rcc wall and other three sides Brick masonry compound wall
22	इमारतें <b>Buildings</b>	Masonrystructure : 05 Nos	1.Power House-,office cum store(Office room collapsed due to sea erosion) 2.NA1 Qtrs-14No 3.NA 2 Qtrs-1No 4.IQ-1No 5.Pump house-1No
23	कंपाउंड लाइट <b>Compound Lights</b>	LED Light fitted on G.I Pole-16 Nos LED Bulk head lamp fitted on sea side compound wall 24nos	
24	सीसीटीवी कमेरा CCTV CAMERA	Camera	CP Plus -08 Nos
		DVR	01 Nos
25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Navigational Assistant Gr.1
		2	LHA
26	पहुँचने का माध्यम <b>Mode of approach</b>	By rail uptoKollam and then by road 17 km to light house.	
27	उपलब्ध सुविधाएँ <b>Facilities available</b>	Post office ,Police station ,Dispensary,high school within 5 KM	
28	डाक पता <b>Postal address</b>	Naviatuional assistant Gr.I Kovilhottam Lighthouse Chavra.P O Kollam Pin: 6915863.	
29	मूल्य का ब्योरा <b>Cost details</b> (At the time of Construction)	N/A	
30	प्रवर्तनमे लाने का देनांक <b>Date of commissioning</b>	01.01.1962	