

## मास्टर लेजर/MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name <u>Kaup Lighthouse</u>	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0658	
2	स्थान/Position	Lat. 13 <sup>0</sup> 13 .4' N Long. 74 <sup>0</sup> 44.20' E	
3	ऊंचाई/Elevation	43 m	
4	अभिलक्षण/Characteristic	fl (3) W 20 Sec.(fl 0.25, ec3.75, fl 0.25, ec3.75 Fl 0.25, ec 11.75)	
5	नॉटिकलमाइलमेदूरी Range in miles	1.Luminous: 25 NM 2.Geographical: 17.5 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Circular stone Masonry Tower
		Height	34 m
		Colour Scheme	Black and white bands (Band width 5.44m, Bottom band black, No. Of bands 5)
7	ऑप्टिकलउपकरण Optical equipment	Optic	Fresnel Lens
		Make	Stone Chance
		Type	Cut and Polished Revolving.
		Size	700 mm (2 <sup>nd</sup> order)
		No. of lens	3
		Area of dioptric portion	10,500 sq. cm.(corrected area 7725 sq.cm)
		Area of catadioptric portion	10,200 sq. cm. (corrected area 10,152 sq.cm)
		Divergence Main/Emergency	Horizontal – 4.48 <sup>0</sup> , Vertical – 3.26 <sup>0</sup>
		Duration of Flash Main /Standby/Emergency	0.25 Sec.
		Pedestal	Mercury Float (98 Kg in use)
		Rotation Device	Dual Stepper Motor 40 Kgcm 12 V DC operated. Clock machine as standby
		R.P.M.	3
		illuminating	
Main	3 X 150W Metal Halide Lamp Cluster		
Standby	--		

		Emergency:	--					
		Date of Installation	1935					
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	725322 cd					
		Emergency	--					
9	लैंटर्न/Lantern	Diameter	3.6m					
		Height of glazing	1.83 m					
		No. of panes	20 + 12 Nos. Blanked with G.I. Sheet on the landward side.					
		Ventilators	12					
10	RACON		Sr. No	6295				
	Make	Model	Code	Band	Date of Installation			
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11	NAIS							
	Base Station			SAAB				
	Model	Type	Power	MMSI				
	R-40	QWZR4	Mains 230V	4192238				
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	2.4m dia Parabolic reflector	EX-C	Make huges Model:HT2300					
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization
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12	ऊर्जाकिसाधन/Source of energy	Mains			KSEB, 3 Phase, 440 V AC, 50 Hz Mains Supply.			
		Standby			DG SET 7.5KVA/ SOLAR PLANT 5.5KW			
		Engine 1						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	D8.4812,91-0700072	1	16HP	2	1500	Air		
		Alternator						
	Make/Type	Qty	Rating	Voltage/Am p	Frequency	Phase		
	KG 1644	1	7.5Kva	240v	50Hz	single		
		Engine 2						
	Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
	.....							
		Alternator						

		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Am p</b>	<b>Frequency</b>	<b>Phase</b>		
		.....							
		<b>Solar Plant</b>							
		<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
		5.5Kw	550Watt X10Nos.	Monocrystalline	90 cells, 2volt each, 500Ah each	2 bank 90v/500AH			
		<b>Solar Plant for Main RACON</b>							
		<b>Capacity PV</b>	<b>Numbers</b>	<b>Type</b>	<b>Battery</b>	<b>Bank</b>			
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<b>13</b>	<b>स्वचालितवोल्टेजस्टेबलाइजर 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>		
	V S POWER SYSTEMS	VSP/SERVO /AIR- INDIA 22001068	5kva	160-260	240	1	01		
<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>			
	PSS NAIS	--	-						
	Genset	Lead ACID	Exide	12V	100AH	1No.			
	Automation	SMF	Exide	12V	26AH	2Nos.			
	DGPS	---	---						
<b>15</b>	<b>बैटरीचार्जर/ Battery charger</b>								
	<b>Equipment</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>			
	General Purpose	A.E.		DC Charger	12V 6A/9A	1No.			
	Automation	Powerex		Batt. Charger 24V	15A	1No.			
<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		STATCON ENERGIAA	HBD-NG-096-006K-1P-006M1-11-C01	SMART STORAGE SOLAR INVERTER	6KWP	2	96vdc	230vdc
	NAIS PSS	1	APC	SRC 1K	UPS	1KVA	1	230VAC	230VAC
	DGPS	--	--	--	--	--	--	--	--
<b>17</b>	<b>स्वचलनउपकरण</b>								

	Automation Equipment						
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band
	NELCO	Telemecqnie	Schneider electric	24voltDC			
18	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	1kg	2 Nos.	
19	संचार <b>Communication</b>					--	
20	जलपूर्ति <b>Water Supply</b>			2 Nos. open wells. Pump coupled to Electric motor (0.75HP) Water Pump to lift the water from open well from to overhead tanks and water supply is made available to all quarters & IQ.			
21	भूमि <b>Land</b>			Area		1.1501 Hectare	
				Demarcation		Compound wall	
22	इमारतें <b>Buildings</b>			Navigational Asst. Qtrs:-3 Nos. LHA Qtr. 2Nos.		I.Q: 1No.: P.H. 1 No. Office: 1No. Pump House 1No.	
23	कंपाउंडलाइट <b>Compound Lights</b>			8 Nos.			
24	सीसीटीवीकमेरा CCTV CAMERA			Camera		--	
				DVR		--	
25	स्टाफ <b>Staff</b>			Sl. No	Designations		
				1	Navigational Assistant Gr-II: 1 No. Posted		
				2.	LHA: 1 No. Posted		
26	पहुँचनेकामाध्यम <b>Mode of approach</b>			By rail upto Udupi Railway Station then 18 Kms. by Road upto lighthouse.			
27	उपलब्धसुविधाए <b>Facilities available</b>			Marine Police Station	5km		
				Dispensary	5km.		
				High School	6km.		
				Post office	5km.		
28	डाकपता <b>Postal address</b>			Head Lightkeeper, Kaup Lighthouse, P.O. Kaup, Distt. Udupi, PIN – 574 106.			
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)			--			
30	प्रवर्तनमेलानेकादेनांक			1935			

	<i>Date of commissioning</i>	
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