

मास्टर लेजर/MASTER LEDGER

कन्याकुमारी दीपस्तंभ/KANYAKUMARI LIGHTHOUSE

क्रम संख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0726	
2	स्थान/Position	Lat.8° 04'8" N , long 77° 32'8" E	
3	ऊंचाई/Elevation	34 M (Above MSL)	
4	अभिलक्षण/Characteristic	GROUP OF (2) W 20 sec (.66+3.38+.66+15.3=20 Se)	
5	नॉटिकलमाइलमेदूरी Range in miles	Luminous 18 NM Geographical 21 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Square stone massonary Tower
		Height	30.5 M
		Colour Scheme	Red and White
7	ऑप्टिकलउपकरण Optical equipment	Optic	375 mm 3 rd order small
		Make	M/s BBT Ltd Paris
		Type	
		Size	375 mm
		No. of lens	4
		Area of dioptric portion	1518 Sq.cm (corrected area 1077 sq.cm)
		Area of catadioptric portion	4220 Sq.cm (corrected area 3503 sq.cm)
		Divergence Main/Emergency	5°56' (Horizontal) 1°59' (Vertical)
		Duration of Flash Main /Standby/Emergency	2 flash every 20 seconds
		Pedestal	Fixed
		Rotation Device	stepper motor with drive
		R.P.M.	1.5 r.p.m
		illuminating	
		Main	230V/150W Single ended Metal Lamp Halide 3 in cluster
Standby	-		
Emergency:	-		
Date of Installation			
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	110908 cds
		Emergency	-
9	लैंटर्न/Lantern	Diameter	2.5 m
		Height of glazing	1.3 m
		No. of panes	20 Nos
		Ventilators	9 Nos
10	RACON	Sr. No	

	Make	Model	Code	Band	Date of Installation				
	TideLand	Sea Beacon 2 system 6	C	X+S Band	02.01.2008				
11	NAIS								
	Base Station		R40 2 Nos						
	Model	Type	Power	MMSI					
	Communication Equipment								
	VSAT Antenna	Band	Modem						
		EX-C	Datum system M7LT Satellite Terminal						
	DGPS								
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning		
12	ऊर्जाकेसाधन/Source of energy		Mains		Tamilnadu electricity board				
			Power Source		3 phase /440V AC supply				
			Engine 1 (NIL)						
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
			Kiloskar	1	32 bhp/20kva		1500	Air	
			Alternator						
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase	
			kirloskar	1	20kva	230/	50 Hz	3 Phase	
			Engine 2 (NIL)						
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
			KOEL Green	1	56 BHP/	3	1500	Air	
			Solar Plant for Main light						
			Capacity PV	Numbers		Type	Battery	Bank	

		Solar Plant for 2KW off grid (used in automation, street light and etc)							
		Capacity PV	Numbers	Type	Battery	Bank			
		3 KW (24 V/ 250 W)	12 No.	hykon make	12 Nos 12V/200AH	01 No.			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	Globus	Servo controlled	5 KVA	170-270 V	230 V	1 phase	1 No		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/ Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	-	Koel green	12 V	100	2			
	Automation	-	-	-	-	-			
	RACON	SMF	Exide	12V	150A H	1			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	DELTA	DELTA	-	-	0-30 V/ 30 A	1 No			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	ou tp ut
	3 KW off grid	1 No	hykon	Ssp 3000		3kw/48V	1No	48 V/ DC & 230 V AC	23 0V A C
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	RDS	Allen Bradley	Renu electronics	24 V DC	1.8 m dia Parabolic reflector	Hughes	EX.C		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	2Kg	5	Intime		
				Co2	9 Kg	1	Intime		
				Foam Type	9 Ltr	2	Excellent		
19	संचार Communication			BSNL telephone		04652-246269			
20	जलपूर्ति Water Supply			Local panchayath water supply 2 nos of bore wells at Quarters,					

21	भूमि Land	Area	0.461 Hectare LH + 1Acre(Quarters Compound)
		Demarcation	Not Available
22	इमारतें Buildings	RCC Structure: 04 Nos	Office: Power house, store room, office room and bathroom Staff Quarters: IQ, NA-I, NA-II, NA-III, LHA,LHS, Watchman quarters(Twin Complex), Recreation Room, Pump house (2 Nos)
23	कंपाउंडलाइट Compound Lights		9 nos street light pole & 4 nos of gate light & 2 no of light display board
24	सीसीटीवीकमेरा CCTV CAMERA	NIL	
25	स्टाफ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-I – 1 No
		2	Navigational Assistant Gr-I I– 1 No &1 LHA
26	पहुँचनेकामाध्यम Mode of approach	Nearby Railway station is Kanyakumari, Nearest airport is Tiruvanadapuram airport,	
27	उपलब्धसुविधाए Facilities available	The nearest Post office local panchayat office, High School and hospital, Police Station are available at Kanyakumari.	
28	डाकपता Postal address	The Navigational Assistant Gr-I Kanyakumari Lighthouse, Kayakumari post, Kanyakumari Dist Pin 629702	
29	मूल्यकाब्योरा Cost details (At the time of Construction)		
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	04.11.1971	