

मास्टर लेज़र/MASTER LEDGER

कड़ापक्कम दीपस्तंभ/Kadapakkam Lighthouse

क्रम संख्या/ Sr. No	नाम/Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0929	
2	स्थान/Position	Lat.12° 16' 31.4" N, long 80° 0' 39.5" E	
3	ऊंचाई/Elevation	--	
4	अभिलक्षण/Characteristic	White, Group 3 Flash Every 20 Second	
5	नॉटिकल माइल मे दूरी/ Range in miles	20 NM	
6	दीपस्तंभ टावर/L.H. Tower	Type	RCC Round Tower
		Height	30 M
		Colour Scheme	Red and White Spiral Band
7	ऑप्टिकल उपकरण/ Optical equipment	Optic	APRB-288
		Make	M/s Pharos Marine Automatic Power, Houston, TX
		Type	
		Size	Height- 470 mm, Diameter-536 mm
		No. of lens	3
		No. of Panels	8 (Octagonal Type)
		Area of dioptric portion	-
		Area of catadioptric portion	-
		Divergence Main/Emergency	-
		Duration of Flash Main /Standby/Emergency	(0.45+4.55+0.45+4.55+0.45+9.55=20Sec)
		Pedestal	Square Type Main Light Pedestal
		Rotation Device R.P.M.	Inbuilt stepper motor with drive 3 RPM
		Illumining Main	9000 lm 230V/150W Single ended Metal Halide Lamp
		Standby Emergency:	-
		Date of Installation	30.11.2013
8	प्रभावी बीम तीव्रता/ Effective beam intensity	Main	20,000 candelas
		Emergency	-
9	लैंटर्न/Lantern	Diameter	2.4 m
		Height of glazing	2.286 m

		No. of panes	12 Nos Toughened glass					
		Ventilators	6 Nos					
10	रेकोन/RACON		Sr. No					
	Make	Model	Code	Band	Date of Installation			
	-	-	-	-	-			
11	एनएआईएस/NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	-	-	-	-		-		
	Communication Equipment		-	-		-		
	VSAT Antenna	Band	Modem					
	-	-	-		-			
	DGPS							
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitulation
	-	-	-	-	-	-	-	-
12	ऊर्जा के साधन/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	
		-	-	-	-	-	-	
		Alternator						
		Make/Type	Qty	Rating	Voltage/ Amp	Frequency	Phase	
		-	-	-	-	-	-	
		Engine 2 (NIL)						
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling	
		-	-	-	-	-	-	
		Solar Plant for Main light						
		Capacity PV	Numbers	Type	Battery	Bank		
		1.5 KW (38 V/250 W)	6 Nos	TATA POWER	12 Nos 2 V/ 600 AH	01 No.		
Solar Plant for 2KW off grid (used in automation, street light and etc								
Capacity PV	Numbers	Type	Battery	Bank				
2 KW (38 V/ 250 W)	08 No.	HBL make	12 Nos 12V/200AH	01 No.				
13	स्वचालित वोल्टेज स्टेबलाइजर/							

	Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	Glow-bus	Servo controlled	5 KVA	170-250 V	230 V	1 phase	1 No		
14	बैटरी/Batteries								
	Equipment	Type	Make	Volt	Amp/ Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	-	-	-	-	-			
	Automation	-	-	-	-	-			
	DGPS	-	-	-	-	-			
15	बैटरी चार्जर/Battery Charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	Associate engineer	-	-	0-30 V/ 30 A	2 No			
16	इंवर्टर/यूपीएस/Inverter/UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output
	Main Light	1 No	Ever Power	---	Pure sine wave	1000 VA	2 No	24 V/ DC & 230 V AC	230 VAC
	2 KW off grid	1 No	Glow power technologies	--	Pure sine wave	2000 VA	1 No	48 V/ DC & 230 V AC	230 VAC
17	स्वचालन उपकरण/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	अग्निशमन उपकरण/ Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				DCP Type	6 kg	4	Ronak		
				Co2	4.5 Kg	3	Intime		
				Foam Type	-	-	-		
19	संचार/ Communication				BSNL telephone		044-29991520		
20	जलपूर्ति/ Water Supply			Borewell water					
21	भूमि/ Land			Area		--			
				Demarcation		Not Available			

22	इमारतें/ Buildings	RCC Structure: 04 Nos	Power House-cum Office room, Inspection quarters, NA-II quarter and NA-III quarter
23	कंपाउंड लाइट/ Compound Lights	LED Light fitted on G.I Pole-06 Nos Garden light-1 No Gate light- 2 Nos	
24	सीसीटीवी कैमरा/ CCTV CAMERA	NIL	
25	स्टाफ/ Staff	Sl. No	Designations
		1	Navigational Assistant Gr-II – 1 No
		2	Navigational Assistant Gr-III- 1 No
		3	Outsourced staff for Housekeeping- 1 No
26	पहुँचने का माध्यम/ Mode of approach	Nearby Railway station is Pondicherry, Nearest Airport is Pondicherry Airport, from Kadapakam ECR to Pondicherry by road about 50 KM	
27	उपलब्ध सुविधाएं/ Facilities available	The nearest Post office local panchayat office, High School and Dispensary at Kadapakkam ECR, and Police Station are available at Chunamedu.	
28	डाक पता/ Postal address	The Navigational Assistant Gr-I Kadapakakm Lighthouse, Cheyyur Taluk Kadapakkam, Tamilnadu-603304	
29	मूल्य का ब्योरा/ Cost details (At the time of Construction)	2.0 crores	
30	प्रवर्तन में लाने का दिनांक Date of commissioning	30 th November 2013	