

मास्टर लेजर/MASTER LEDGER

**तालकेश्वर पॉइंटदीपस्तंभ/Talkeshwar Point Lighthouse**

<u>क्रमसंख्या/ Sr.No</u>	<u>नाम /Name</u>	<u>विवरण/Description</u>	
1	ए.एल.ओ.एल/A.L.O.L.	F 0566	
2	स्थान/Position	Lat. 17° 33' 59.76''N Long. 73° 08' 14.74''E	
3	ऊंचाई/Elevation	104 m	
4	अभिलक्षण/Characteristic	GP fl W (3) every 15 Sec. (W) 0.35+2.65+0.35+2.65+0.35+8.65=15 sec.	
5	नॉटिकलमाइलमेदूरी Range in miles	22 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Rectangular Masonry Tower
		Height	13.5 m
		Colour Scheme	White
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	Stone Chance
		Type	Revolving
		Size	375 mm (3 <sup>rd</sup> order small) revolving
		No. of lens	3 to 50 <sup>0</sup> each (1 OF 110 <sup>0</sup> & 2 <sup>nd</sup> OFF 100 <sup>0</sup> each)
		Area of dioptric portion	1700 Sq.cm. (corrected are 1235 Sq.cm.)
		Area of catadioptric portion	5500 Sq.cm. (corrected are 4570 Sq.cm.)
		Divergence Main/Emergency	Horizontal – 8.36 <sup>0</sup> , Vertical – 6.08 <sup>0</sup>
		Duration of Flash Main /Standby/Emergency	0.35 sec.
		Lamp changer	NA
		Pedestal	Mercury float pedestal complete with optic turn table, trough float support, float central column and

					holding 54.300 Kgs. of mercury .			
				Rotation Device	Dual Stepper Motor 40 Kgcm with auto changeover ( standard 4 hrs clock machine kept as standby )			
				R.P.M.	4			
				illuminating	3 x 150W Metal Halide lamp cluster Philips Make			
				Main				
				Standby	NA			
				Emergency:	NA			
				Date of Installation	15.02.1960			
8	प्रभावीबीमतीव्रता/Effective beam intensity			Main & Standby	263883 cd			
				Emergency	NA			
9	लैंटर्न/Lantern			Diameter	2.70 m			
				Height of glazing	1.42 m			
				No. of panes	1.27 m (10 Nos.)			
				Ventilators	2.68 m (9 Nos.)			
10	RACON			NA	---			
	Make	Model		Code	Band			
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11	NAIS							
	Base Station							
	Model	Type	Power	MMSI				
	SAAB	R 40	230vac to 24 vdc, 5 amp					
	Communication Equipment							
	VSAT Antenna	Band - Datum	Modem – PSM – 500L					
	DGPS	----	----	----	----			
	Trasmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitulation
12	ऊर्जाकेसाधन/Source of energy	Mains . - MSEDCL				Main supply 440V AH, 50 Hz, 3 Phase.		
		Standby				DG set7.5KVA		
		Engine - D8 4812 91/070069						

		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
		KirloskarGreen EA-16	1 no	16 HP	2	1500	AIR		
		<b>Alternator - BS-1 H007 E11563H</b>							
		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</b>	<b>Frequency</b>	<b>Phase</b>		
		Kirloskar	1 no	7.5 KVA	240 V / 31.2 A	50 HZ	Single		
		<b>Engine 2 - NA</b>							
		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>No of Cylinder</b>	<b>RPM</b>	<b>Cooling</b>		
		<b>Alternator</b>							
		<b>Make/Type</b>	<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amp</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>			
		200 W , 17.5 V	3 nos	Monocrystalline	150 AH, 12V	Single			
		<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	2007020	10 KVA	120 to 280 VAC	240 Vac	Single	1 no		
<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	SMF	Relic ell	12 volt	150 AH	2 nos			
	Genset	SMF	Exide	12 Volt	100 AH	1 no			
	Automation	SMF	Exide	12 Volt	26 AH	2 nos			
	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	Aplab I-3230			0 - 30A	1 no			
	Automation	Powerex Elect.			0 - 10 A	1 no			
<b>16</b>	<b>इंवर्टरInverter /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	3 nos	Exide	850 DSP	Home UPS	850VA	3 nos	220 VAC	220 +_7 VAC
	NAIS PSS	1 no	Exide	1450 DSP	Home UPS	1450 VA	1 no	220 VAC	220 +_7 VAC

	DGPS	---	---	---	---	---	---	---	---
17	<b>स्वचलनउपकरण</b> <b>Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Nelco	Telemechanique	Schneider	MW mean well	---	Sky Edge Gilat	---		
18	<b>आग्निशमनउपकरण</b> <b>Fire Fighting Equipment</b>			Type of Extinguisher	Capacity	Nos	Make		
				i) D.C.P. Type	2 kg	2 nos	Chandrakanta		
				ii) D.C.P. Type	3.2 kg	1 no	Chandrakanta		
				ii)Foam type	9 liters	1 no	---		
				iii) Water type	9 litetrs	1 no	Chandrakanta		
				Sand bucket	10 kgs	2 nos			
				Water bucket	10 litrs	2 nos			
19	<b>संचार</b> <b>Communication</b>			NA					
20	<b>जलपूर्ति</b> <b>Water Supply</b>			Wasp water pump which can be run by Crompton Greaves electric motor 3 phase5 HP 1430 RPM. 2000 Ltr. Capacity sintex water tank installed on roof of Inspection quarters and water supply provided to each staff quarter and inspection quarter by tap. Mains MSEB supply provided to electric motor with meter No. 225370005895 at water Pump House.					
21	<b>भूमि</b> <b>Land</b>			Area	Area 25 Guntas, serve No.8132,10813,108 FN 32, 108 FN 34 and 109 FN 15				
				Demarcation					
22	<b>इमारतें</b> <b>Buildings</b>			Quarters	Inspection Qtr. - 1 no Nav. Asst. Qtr. - 2 nos LHA Qtr. - 2 nos D.G. room - 1 no Office attached with old IQ ( as a used store room ) Stone masonry compound all with cast iron net and G.I. fabricated Main gate.				
23	<b>कंपाउंडलाइट</b> <b>Compound Lights</b>			15 w LED Street light	9 street lights and 2 gate lights				
24	<b>सीसीटीवीकमेरा</b> <b>CCTV CAMERA</b>			Camera	NA				
				DVR	NA				
25	<b>स्टाफ</b> <b>Staff</b>			Sl. No	Name			Designations	
				1	Shri S. M. Chaudhari			Navigational Asst. - I	
				2	Shri Koro Besra			Navigational Asst. - II	
				3	-----			-----	
				4	-----			-----	

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26	पहुँचनेका माध्यम <b>Mode of approach</b>	By Konkan Railway or S.T. Bus upto Ciplun situated on NH-17 at about 270 Km from Mumbai. By road from Chiplun to Guhagar at a distance of 46Km. The final approach is from village of Anjanvel situated at about 12Km from Guhagar, <b>Earlier the station was approached by walking ( or full Auto rickshah ) another 2 km. on the hill is now approachable by Asphalt road made by the Gram Panchayat up to the Lighthouse station.</b>		
27	उपलब्ध सुविधाए <b>Facilities available</b>	Marine Police Station	Guhagar at 14 Kms. from Lighthouse	
		Dispensary	Guhagar at 14 Kms. from Lighthouse	
		High School	Guhagar at 14 Kms. from Lighthouse	
		Post office	Anjanvel at 1.5 kms from Lighthouse	
28	डाकपता <b>Postal address</b>	Head Lightkeeper Talkeshwar Point Lighthouse Post - Anjanvel, Tal. - Guhagar, Dist.- Ratnagiri, Maharashtra, Pin – 415634 Email id - tplight1960@gmail.com		
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	2,47,302.52 Equipments - 169000 F.O.R.		
30	प्रवर्तनमेलानेका देनांक <b>Date of commissioning</b>	15.02.1960 (PV 55 mm Burner) 31.01.1997 (Conversion PV to Electric)		

