

मुंबई निदेशालय
मास्टर लेजर

कान्होजीआंग्रेदीपस्तंभ/ Kanhoji Angre Lighthouse

क्रम संख्या/Sr. No.	नाम/ Name	विवरण/Discription	
1	नाम/ Name	कान्होजीआंग्रे/kanhoji Angre	
2	ए.एल.ओ.एल/A.L.O.L.	F 0556	
3	स्थान/Position	Lat. 18° 42' 11.43"N Long. 72° 48' 47.35"E	
4	ऊंचाई/Elevation	47 m	
5	अभिलक्षण/Characteristic	fl (2) WR 10 Sec.	
6	नॉटिकल माइल में दूरी/Range in n. miles	Luminous- W – 25, R – 22 Geographical- --	
7	दीपस्तंभटावर/L.H. Tower	Type	Octagonal masonry tower
		Height	17 m
		Color Scheme	---
8	ऑप्टिकल उपकरण/Optical equipment	Optic	
		Make	Wealth Marine WM-RB 500 Marinerotating beacon
		Size	200mm
		No. of panels	6 nos. clear "Bulls Eye" Acrylic panels spaced at 60(Hexagonal)
		Arrangement Of lamps	WM FL 1006 place automatic 12V, C8 pre- focused 6 nos. 12V/50W Marine Halogen Lamps
		Divergence	Horizontal – 4.48°, Vertical – 3.26°
		Mains	Main 5° 03' (Horizontal)
		Emergency	4° 59' (Vertical)

		Duration of Flash Main & Standby	Main 3 sec.
Pedestal	Mercury float (200 Kg. In use)		
Rotation Device	---		

		R.P.M.	3						
		Illuminant							
		Main Standby Emergency	-----						
9	Effective beam intensity								
		Main & Standby	---						
		Emergency	---						
10	लैंटर्न/Lantern	Diameter	4.50 m						
		Height of glazing	2.82 m						
		No. of panes	48 (in 3 tiers)						
		Ventilators	15 nos.						
11	लैंप चेंजर/Lamp Changer	N.A.							
12	ऊर्जा के साधन/Source of energy	Solar panels Make Tata BP,16 nos. 74W. Solar panels Make MONO, crystalline 12 nos. 200W.							
13	No. of standby Diesel Generators	Engine 1							
		Engine No.	Make/Type	HP	No. ofCylinder	RPM	Cooling		
		HA 294 SR 111	Kirloskar	20.5	02	1500	Air Cooled		
		Engine 2 & 3 (U/S)							
		Engine No.	Make/Type	HP	No. ofCylinder	RPM	Cooling		
		DAF	Kirloskar	08	01	1500	Air Cooled		
14	Details of Alternator	Engine 1							
		Frame	Make	KVA	Vol	Amp	Freq	Phas e	RPM
		Kirloskar	KG184B	15	230V	65.2A	50 Hz	Single	1500
		4DS.212	Kirloskar	05	230V	21.5A	50 Hz	Single	1500
15	स्वचालित वोल्टेज स्टेबलाइजर/Automatic Voltage Stabilizers	N.A							
		Make	N.A						
		Type	N.A						
		Capacity	N.A						
		Input	N.A						
		Output	N.A						

16	बैटरी/ <i>Batteries</i>	06 Nos.; 12V 600 AH VRLA Battery Bank	
17	अग्निशमन उपकरण/ <i>Fire Fighting Equipment</i>	Fire Extinguishers	N.A
		D.C.P. Type (3.2 Kg capacity)	N.A
		Foam type (9 lit. capacity)	N.A
		Fire buckets	N.A
18	संचार/ <i>Communication</i>	N.A	
19	जलपूर्ति/ <i>Water Supply</i>	Rain water collection	
20	भूमि/ <i>Land</i>	Area	---
		Demarcation	---
		No. of fruit trees	30 nos.
		No. of non-fruit bearing trees	05 nos.
21	इमारतें/ <i>Buildings</i>	Power House, Boat shed, pump house, Light keepers dwellings, Gr.D hut, cook house	
22	कम्पौंड लाईट/ <i>Compound Lights</i>	20 nos. (Solar street lights, 12/40AH battery and 40W solar panel)	
23	स्टाफ/ <i>Staff</i>	N.A. I	---
		N.A. II	1
		N.A. III	1
		LHA	1
		Safaiwala	---
24	पहुँचने का माध्यम/ <i>Mode of approach</i>	By bus up to Thal then by motor launch up to lighthouse	
25	उपलब्ध सुविधाये/ <i>Facilities available</i>	High School, Dispensary, Police station And Post office at Alibaug approx. 10 Km. from Lighthouse	
26	डाकपता/ <i>Postal address</i>	Head Light keeper, KanhojiAngre Lighthouse, Post Office Thal, Dist. Raigad.	
27	मुल्य का ब्यौरा/ <i>Cost details</i>	Construction	Rs.1,22,414/- (including cost of equipment)
28	प्रवर्तन में लाने का दिनांक/ <i>Date of commissioning</i>	April 1887 (Taken over from Mumbai Port Trust on 11.10.2007)	
29	<i>Automation Equipment</i>	Remote terminal unit (RTU)	
		Comprising of	a) Indoor unit (IDU) for communication b) Programmable Logical Controller c) Human Machine Interface(HMI) d) Input/Output Module (STB)

			<ul style="list-style-type: none"> e) Ethernet Switch 16 Ports 10/100 Dest top Switching f) Ethernet Gateway (Modbus to Ethernet converter) g) Power supply for various modules in RTU i) 24 to 24 V DC-DC converter ii) 24 to 12V DC-DC converter h) Power supply for RTU i) 12 V 26 AH- 4 Nos
		Charger for RTU Battery	24V, 20 A SMPS "Power Engineering" Make(For Charging the RTU battery)- 1 No
		V-SAT Communication Equipment	<ul style="list-style-type: none"> a)1.8m dia Parabolic reflecto (Microwave Dish Antenna) b)Outdoor Unit (ODU) for communication c) Block Up Converter(BUC) and Low noise block (LNB) convert
		Transducer	<ul style="list-style-type: none"> a) Power line meter b) DC signal isolator c) Proximity switch
30	Other Vital Aids	Static sensor station having high end surveillance RADAR, Electro Optic Sensors (CCD Day Camera and Thermal Imagers), VHF sets and Meteorological equipment's.	