

उत्तन पॉइंट दीपस्तंभ एवं डीजीपीएस स्टेशन / *Uttan Point Lighthouse and DGPS Station*

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Description	
1	ए.एल.ओ.एल/A.L.O.L.	F 0499	
2	स्थान/Position	Lat. 19° 16.50 ' N Long.72° 46.80 ' E	
3	ऊँचाई/Elevation	53 m	
4	अभिलक्षण/Characteristic	Fl (2) W 15 Sec. (fl 0.25, ec 3.51, fl 0.25, ec 10.99)	
5	नॉटिकलमाइलमेदूरी Range in miles	24	
6	दीपस्तंभटावर/L.H.Tower	Type	Square Masonry Tower
		Height	12.8 m
		Colour Scheme	Red & White bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	5th Order
		Make	M/S. Chance Bros.
		Type	5th Order
		Size	187.5 mm (5th Order) revolving
		No. of lens	2 of 135°
		Area of dioptric portion	420 sq.cm. (Corrected area 306 sq.cm.)
		Area of catadioptric portion	1820 sq.cm. (Corrected area 1001 sq.cm.)
		Divergence Main/Emergency	Horizontal – 16.72° , Vertical-12.16°
		Duration of Flash Main /Standby/Emergency	0.70 Sec.
		Lamp changer	NA
		Pedestal	Mercury Float (11.6 Kg. in use)
		Rotation Device	Dual Stepper Motor 40 Kg cm with auto changeover
		R.P.M.	4
		illumining	3 x150 W Metal Halide Lamp cluster
		Main	440 V,3 phase, 50 Hz
		Standby	NA

		Emergency:	NA						
		Date of Installation	15/12/1960						
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	69940 cd						
		Emergency	NA						
9	लैंटर्न/Lantern	Diameter	2.2 m						
		Height of glazing	1.13 m						
		No. of panes	8						
		Ventilators	7						
10	RACON		NA			NA			
	Make	Model	Code			Band		Date of Installation	
	-	-	-			-		-	
11	NAIS								
	Base Station		2 Nos						
	Model	Type	Power		MMSI				
	SAAB R-4024	Class A	12.5W		4192226				
	Communication Equipment	GPS Antenna VHF Antenna CX4	-		-				
	VSAT Antenna	Band	Modem						
	2.4m dia parabolic reflector	EXT-C	DATUM Systems PSM-500L satellite modem						
	DGPS								
	Transmitter Make	Frequency	Power Output	RS- 1 ID	RS-2 ID	Beacon ID	Date of commissioning	Date of Recapitulation	
	Nautel	306 kHz	500 Watts	406	407	103	March-1998	28/06/2017	
12	ऊर्जाकेसाधन/Source of energy	Mains		440V , 3 phase ,50 Hz					
		Standby		DG set -02 Nos.					
		Engine 1							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		Kirloskar/HA394	01	23.54 Kw	3	1500	Air		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
		Kirloskar	01	25 KVA	415V / 34.8 Amp	50 Hz	3 Phase		
		Engine 2							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		Kirloskar/HA394	01	23.54 Kw	3	1500	Air		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
		Kirloskar	01	25 KVA	415V / 34.8 Amp	50 Hz	3 Phase		
Solar Plant									

		Capacity PV	Numbers	Type	Battery	Bank			
		200 Watt	03	Mono Crystalline	150 Ah 3 nos	-			
		Solar Plant for Main RACON			NA				
		Capacity PV	Numbers	Type	Battery	Bank			
		NA	NA	NA	NA	NA			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	Serwel Electronics	SERVOMAX	15 KVA	170-270V	230 V +/-1%	1 phase	03		
14	बैटरी Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	PSS NAIS	-	-	-	-	-			
	Genset	Lead Acid	Koel Green	12 V	75 AH	02			
	Automation	M/F	Rocket	12 V	26AH	10			
	DGPS	M/F	Exide	12 V	42 AH	22			
15	बैटरीचार्जर/ Battery charger								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose	-	-	-	-	-			
	Automation	Powerrex Eng.	-	SMPS	24V/15Amp	01			
16	इंवर्टरInverter /UPS								
	Equipment	Nos	Make	Model	Type	Rating	Qty	input	output
	Main Light	1.	Exide	Exide 850DSP PST UPS	Pure Sine Wave	850VA	03	12VDC & 230VAC	230VA C
	NAIS PSS	1.	APC	1. SRC 1KI-IN 2.Smart-UPS RC 1000	On-Line	1000VA	02	12VDC & 230VAC	230VA C
	DGPS	1.	APC	SRC10KU XI	On-Line	10KVA	01	192VDC & 230VAC	230VA C
		2.	APC	SRC3KUX	On- Line	3KVA	01	72VDC & 230VAC	230VA C
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	Nelco	Telemecanique	Schneider Electric	24VDC	1.8 m dia.	SkyEdge	EXT-C		
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make		
				CO2 Type	6.5 Kg	02	safex		

19	संचार Communication	MTNL Tel. No. 022-28450740 with fax			
20	जलपूर्ति Water Supply	MBMC Water Supply 9 Nos. rain water collection tanks			
21	भूमि Land	Area	4.65 Hectares		
		Demarcation	Masonry		
22	इमारतें Buildings	Quarters	8 Qtrs. For staff plus power house, store room & Inspection Qtr.		
23	कंपाउंडलाइट Compound Lights	18 Nos. G.I. pipe poles with LED fitting.			
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	-		
		DVR	-		
25	स्टाफ Staff	Sl. No	Designations		
		1	Asst. Engineer (E) -1 (Vacant)		
		2	S.R.T. - 01		
		3	NA-II - 03		
		4	NA - III -01		
		5	LHA - 01		
		6			
7					
26	पहुँचनेकामाध्यम Mode of approach	By rail upto Bhayander & than 12 Kms. By MBMT Bus upto Uttan village & than 1 Km. walk upto Lighthouse.			
27	उपलब्धसुविधाए Facilities available	Marine Police Station	2 Km from LH		
		Dispensary	PHC ,Uttan		
		High School	Yes		
		Post office	yes		
28	डाकपता Postal address	Asst. Engineer (E) Uttan Piont Lighthouse, Post Uttan, via Bhayander, Dist. Thane Pin-401106			
29	मूल्यकाब्योरा Cost details (At the time of Construction)	7,25,091/-			
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	15-12-1960			

