

मास्टर लेजर/MASTER LEDGER

वेरावल दीपस्तंभ और आर सी एस स्टेशन / Veraval Lighthouse and RCS Station

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 0410	
2	स्थान/Position	Lat : 20° 54.6'N Long : 70° 21.2'E	
3	ऊंचाई/Elevation	33 M	
4	अभिलक्षण/Characteristic	F 1 W15 Sec. (10+5=15 Sec)	
5	नॉटिकलमाइलमेदूरी Range in miles	15 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Square Masonry Tower with Semi Circular Front
		Height	34 M
		Colour Scheme	Black and White bands – 5 Nos.
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	BBT France
		Type	-
		Size	1000 mm drum optic with catadioptric
		No. of lens	-
		Area of dioptric portion	275 sq.mm (corrected area 205 sq.mm)
		Area of catadioptric portion	342 sq.mm (corrected area 164 sq.mm)
		Divergence Main/Emergency	11°27.27' (Vertical)
		Duration of Flash Main /Standby/Emergency	10 Sec
		Pedestal	Fixed Large Size
		Rotation Device	N/A
		R.P.M.	N/A
		Illumining	Cluster of 230 V/500 W Halogen lamps 3 nos. in each tier (both in upper & lower tier)
		Main	230V/500 W Halogen Lamp
		Standby	-
		Emergency:	-
		Date of Installation	03/10/2003
8		Main	20,902 candela

	प्रभावीबीमतीव्रता/Effective beam intensity	Emergency	-					
9	लैंटर्न/Lantern	Diameter	2.0m					
		Height of glazing	1.6 m					
		No. of panes	16 (in each tier) 0.8 m high					
		Ventilators	15 nos.					
10	RACON		Sr. No		11-X-201607-06			
	Make	Model	Code	Band	Date of Installation			
	Pharos Marine		K	x- band	02/09/2016			
11	NAIS –							22/06/2012
	Base Station							
	Model	Type	Power	MMSI				
	Communication Equipment							
	VSAT Antenna	Band	Modem					
	VHF & GPS Antenna	CISCO Router 2900						
	DGPS	-	-	-				
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Revalidation
	-	-	-	-	-	-	-	-
	12	ऊर्जाकेसाधन/Source of energy	Mains			440V/3-phase/50 Hz		
Power Source			DG Set 15 KVA make Kirloskar					
Engine 1								
Make/Type			Qty	Rating	No of Cylinder	RPM	Cooling	
Kirloskar			1	19 BHP	2	1500	Air	
Alternator								
Make/Type			Qty	Rating	Voltage/Amp	Frequency	Phase	
Kirloskar			1	15 KVA	230V/63A	50Hz	Single	
Solar Plant (Off Grid System)								
Capacity PV			Numbers	Type	Battery	Bank		
7.5 KWp			40 Nos	Mono-Crystalline	90 Nos 2V/1000AH	04 No.		
Solar Plant (On Grid System)								
10 KWp			30 Nos.	Mono-Crystalline	-			
Solar Plant for Main RACON								
Capacity PV			Numbers	Type	Battery	Bank		
12 V/ 70 Watt			01	-	01 Nos, 12 V/100 Ah			
Solar Plant for Dhum Ketu Flasher Unit								

		36.6 V / 250 Watt	01	-	01 Nos, 12 V/100 Ah	-			
13	स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers								
	Make	Model	Capa	Input	Output	Phase	Qty		
	AE	AY110	10 KVA	180 To 250V	230	Single	1		
14	बैटरि Batteries								
	Equipment	Type	Make	Volt	Amp/Hr	Qty			
	DG Set - 1	Sealed Lead Acid-XP2000	Exide	12 V	200 AH	1			
	Racon	Sealed Lead Acid	Exide	12 V	100 AH	1			
	Dhum ketu flasher system	Sealed Lead Acid	Exide	12 V	100 AH	1			
	Main Light 7.5 KW (off grid)	Tubular	Exide	2 V	1000 AH	90			
	Solar Street Light	Sealed Lead Acid	HBL	12 V	40 AH	10			
	PSS NAIS Automation	-	-	-	-	-			
	DGPS	Sealed Lead Acid	Rocket	12 V	42 AH	6			
		-	-	-	-	-			
15	बैटरिचार्जर/ Battery charger								
	Equipment	Make	Mode	Type	Rating	Qty			
	General Purpose	Aplab			0 - 32V/ 20 Amp.	01			
	Automation								
16	इंवर्टरInverter /UPS								
	Equipmen t	Nos	Make	Model	Type	Rating	Qty	input	outp ut
	Main Light	02	UTL	---	---	10 KW	02	AC 120V to 265 V	220 V +/-1%
	RCS	01	Liebert GXT	-	-	3 KW	01		230V AC
	NAIS PSS								
	DGPS								
17	स्वचलनउपकरण Automation Equipment								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		

	RDS, Pune	Allen bradely	Renu	230 V	Helical Antenna	Robustel	
18	आग्निशमनउपकरण Fire Fighting Equipment			Type of Extinguisher	Capacity	Nos	Make
				ABC Type	4 kg	6	
				Water Co2	-	-	
				Foam Type	-	-	
19	संचार Communication			P & T Telephone No. 02876-244131			
20	जलपूर्ति Water Supply			(i) Municipal mains fitted to each of the quarter. (ii) Semi underground water tank of capacity 60000 Ltr inside the compound. (iii) Semi underground water tank of capacity 20000 Ltr inside the compound. (iv) Semi underground water tank of capacity 5000 Ltr inside the compound. (v) 750 Ltr overhead tank fitted on IQ. (vi) 750 Ltr overhead tank fitted on each quarter and office.			
21	भूमि Land			Area	0.6533 hectares		
				Demarcation	Compound wall on all the four sides		
22	इमारतें Buildings			LH tower, Inspection Qtr., Power House, NA-1 Qtr -- 01 Nos. NA-II Qtr. ---02 Nos., NA-III Qtr.—01 No., One twin unit of LHA Qurts.			
				Timber Construction above plint Level	-		
23	कंपाउंडलाइट Compound Lights			(i) 10 Nos. G.I. Poles solar street Light 9 Watt lamp with 12 V/40 AH HBL make Battery (ii) 08 Nos G.I. Poles Electric street Light fitted with 230V/25Watt LED Lamp (iii) Gate Light-02			
24	सीसीटीवीकमेरा CCTV CAMERA			-			
				-			
25	स्टाफ Staff			Sl. No	Designations		
				1	Navigational Assistant –I - 1 No.		
				2	Navigational Assistant –III - 2 Nos.		
			3	Lighthouse Attendant - 2 Nos.			
26	पहुँचनेकामाध्यम Mode of approach			By Train up to Varaval , Then 3Km by road up to Lighthouse			

27	उपलब्धसुविधाए Facilities available	Police Station, Dispensary, Post office and High school etc. are available at Veraval Town 2 KM from Lighthouse
28	डाक पता Postal address	Veraval Lighthouse & RCS Station, Rajendra Bhavan Road, P.O. Veraval, Dist. Gir – Somnath, Pin- 362265
29	मूल्यकाब्योरा Cost details (At the time of Construction)	i) Construction - Rs. 5,52,000/- ii) Equipment - Rs. 2,14,825/-
30	प्रवर्तनमेलानेकादेनांक Date of commissioning	01/07/1967