

## मास्टरलेजर /MASTER LEDGER

### वासी बोरसी दीपस्तंभ /WasiBorsi Lighthouse

क्रमसंख्या/ Sr.No	नाम /Name	<u>विवरण/Description</u>	
1	ए.एल.ओ.एल/ <b>A.L.O.L.</b>	F 0478	
2	स्थान/ <b>Position</b>	Lat. 20° 56.06'N Long. 72° 45.71'E	
3	ऊंचाई/ <b>Elevation</b>	36m	
4	अभिलक्षण/ <b>Characteristic</b>	fl W 7 Sec. (fl 0.54, ec 6.46)	
5	नॉटिकलमाइलमेदूरी <b>Range in miles</b>	17 NM	
6	दीपस्तंभटावर/ <b>L.H.Tower</b>	Type	Square open frame R.C.C.Tower
		Height	34 m
		Colour Scheme	Red & White bands
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	B.B.T.
		Type	revolving type
		Size	187.5 mm (5 <sup>th</sup> order)
		No. of lens	4
		Area of dioptric portion	Total corrected area 1105 sq.cm.
		Area of catadioptric portion	
		Divergence Main/Emergency	2° (horizontal) & 3.0° (vertical)
		Duration of Flash Main /Standby/Emergency	0.54 Sec
		Lamp changer	
		Pedestal	Mercury float (39.3 Kg in use)
		Rotation Device	Dual Stepper Motor 40 Kgcm with Auto changeover
		R.P.M.	2.14 ( one revolution in 28 sec.)
		illuminating	
		Main	3 x 150W Metal Halide Lamp Cluster

		Standby	
		Emergency:	
		Date of Installation	
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	64430 cd
		Emergency	-
9	लैंटर्न/Lantern	Diameter	2..0
		Height of glazing	0.8 M
		No. of panes	16 (in 2 liters)
		Ventilators	7
10	RACON		
	Make	Model	Code
			Band
			Date of Installation
11	NAIS		
	Base Station		
	Model	Type	Power
			MMSI
	Communication Equipment		
	VSAT Antenna	Band	Modem
	DGPS		
	Trasmitter Make	Frequency	Power Output
			RS 1 ID
			RS -II ID
			Beacon ID
			Date of commissioning
			Date of Re capitalization
12	ऊर्जाकेसाधन/Sour ce of energy	Mains	i) 415V 3 phase cluster local Main supply(G.E.B.) ii) 42 Nos. Solar Pannel.12V/200W.
		Standby	7.5 KVA DG set
		Engine 1	
		Make/Type	Q ty
		Rating	No of Cylinder
		RPM	Coolin g
		KIRLOSKAR/EA 16	1
		16 BHP	2
		1500	Air
		Alternator	
		Make/Type	Q ty
		Rating	Voltage/A mp
		Frequency	Phase
		KISLOSKAR/KG 164 H	1
		7.5 KVA	240V/31.2A
		50Hz	Single
		Engine 2	
		Make/Type	Q ty
		Rating	No of Cylinder
		RPM	Coolin g

	<b>Alternator</b>								
	<b>Make/Type</b>			<b>Qty</b>	<b>Rating</b>	<b>Voltage/Amper</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 Wp/17.5V			42		Mono Crystalline	07 Nos 12V/1000AH	7	
	<b>Solar Plant for Main RACON</b>								
<b>Capacity PV</b>			<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
13	स्वचालितवोल्टेजस्टेबलाइजर <b>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>		
	Power Electronics		15 KVA	190 - 265V	220V	SINGAL	01		
14	बैटरी <b>Batteries</b>								
	<b>Equipment</b>	<b>Type</b>	<b>Make</b>	<b>Volt</b>	<b>Amp/Hr</b>	<b>Qty</b>			
	<b>PSS NAIS</b>								
	<b>Genset</b>		Exide	12	100	01			
	<b>Automation</b>		Exide	12	26	02			
	<b>DGPS</b>								
15	बैटरीचार्जर/ Battery charger								
	<b>Equipment</b>	<b>Make</b>	<b>Model</b>	<b>Type</b>	<b>Rating</b>	<b>Qty</b>			
	General Purpose								
	Automation	Power Engineering			24V/20A	01			
16	<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>
	<b>Main Light</b>	<b>04</b>	Exide	Exide 850 DSP PST UPS(M)	Pure sine wave	850VA	4	12V DC & 230 AC	220VAC
	<b>IQ/Street Light/HL K qtr</b>	<b>3</b>	Exide	Exide 850 DSP PST UPS(M)	Pure sine wave	850VA	3	12V DC & 230 AC	220VAC
	<b>NAIS PSS</b>								
	<b>DGPS</b>								
17	स्वचलनउपकरण <b>Automation Equipment</b>								
	<b>MAKE</b>	<b>PLC</b>	<b>HMI</b>	<b>Power Supply</b>	<b>VSAT</b>	<b>Modem</b>	<b>Band</b>		
	RTU	01	01	24 V DC	01	01			

18	आग्निशमनउपकरण Fire Fighting Equipment	Type of Extinguisher	Capacity	Nos	Make
		D.C.P. Type	3.2 Kg	04	
		D.C.P Type	01 Liters	02	
		Water Type		01	
19	संचार <b>Communication</b>	<a href="mailto:wasiborsi@gmail.com">wasiborsi@gmail.com</a>			
20	जलपूर्ति <b>Water Supply</b>	04 Nos. R.C.C. Rain water storage			
21	भूमि <b>Land</b>	Area		0.3 Hectares	
		Demarcation		Brick work compound wall	
22	इमारतें <b>Buildings</b>	Quarters		Workshop-cum-store room, One unit of Inspection Qtrs. And One unit of NA Qtrs,	
23	कंपाउंडलाइट <b>Compound Lights</b>	8 Nos. G.I. poles with light down and 02 gate lights			
24	सीसीटीवीकमेरा CCTV CAMERA	Camera			
		DVR			
25	स्टाफ <b>Staff</b>	Sl. No	Designations		
		1	Navigational Assistant Gr.-II- 1		
		2	LHA - 1		
		3			
		4			
		5			
		6			
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	By rail uptoMaroli then 28 Kms. bus uptoLighthouse			
27	उपलब्धसुविधाए <b>Facilities available</b>	Marine Police Station	Maroli 28 km		
		Dispensary	Maroli 28 km		
		High School	Maroli 28 km		
		Post office	Maroli 28 km		
28	डाकपता <b>Postal address</b>	Navigational Assistant, WasiBorsi Lighthouse, P.O. BorsiMachhiwad, via Maroli,Distt. Navsari, Gujarat PIN – 396 436.			
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	Rs.4,51,008/-			

30	प्रवर्तनमेलानेकादेनांक <i>Date of commissioning</i>	31.03.1982
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