

## मास्टर लेजर/MASTER LEDGER

### तारापुर दीपस्तंभ/Tarapur Light House

क्रमसंख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F0491.5	
2	स्थान/Position	Lat.19` 50' 7"N Long.72`39' 5"E	
3	ऊंचाई/Elevation	25 m	
4	अभिलक्षण/Characteristic	Fl (3)W 30 Sec.(fl.0.4,ec 5.6,fl 0.4, ec.5.6, fl. 0.4, ec.17.6)	
5	नॉटिकलमाइलमेदूरी Range in miles	23 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	Square Masonry Tower
		Height	23 m
		Colour Scheme	Black & White bands (5 Bands 4.45 each)
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	B.B.T.
		Type	Cut and polished revolving
		Size	187.5 mm (5 <sup>th</sup> order)
		No. of lens	3 (each of 72')
		Area of dioptric portion	1032 sq.cm.(Corrected area 547sq.cm.)
		Area of catadioptric portion	Nil
		Divergence Main/Emergency	Horizontal-16.72' , Vertical-12.16'
		Duration of Flash Main /Standby/Emergency	1.39 sec.
		Lamp changer	Nil
		Pedestal	Mercury Float (23 Kg. In use)
		Rotation Device	Dual Stepper Motor 40 Kgcm operated on 12 V DC with auto change over.(Clock mechine is also provided and kept as stand by)
		R.P.M.	2
		iIlumining	150 W X 3 Nos. Cluster M.H.Lamp Blast 150 w Kwiklite
		Main	03 Phase MSEDCL Supply

		Standby / Auxiliary	M/S- B.B.T. Paris, 300 mm dia drum optic 100 V/ 375 W L/8, Thorn B7E Lamp						
		Emergency:	-						
		Date of Installation	21/06/1961						
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main & Standby	32116 cd						
		Emergency	-						
9	लैंटर्न/Lantern	Diameter	2.0 m						
		Height of glazing	0.80 m						
		No. of panes	8						
		Ventilators	7						
10	RACON - NA-								
	Make	Model	Code	Band		Date of Installation			
	-	-	-	-		-			
11	NAIS								
	Base Station		SAAB						
	Model	Type	Power	MMSI					
	R40 AIS base station	Class A	12.5 Watts	4192225					
	Communication Equipment								
	VSAT Antenna Prodelin 2.4 meter	Band- Ex C band	Modem – Datum PSM 500L						
	DGPS	-NA-	-		-		-		
	Trasmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recaptalization	
	-	-	-	-	-	-	-	-	
12	ऊर्जाकेसाधन/Source of energy	Mains		230 V,3 Phase,50 Hz					
		Standby		D.G.Set					
		Engine 1							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		Kirloskar ,EA-16	01 No	16	02	1500	Air		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
		Kirloskar	01 No	7.5	240/31.2	50	Single		
		Engine 2							
		Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
		-	-	-	-	-	-		
		Alternator							
		Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
		-	-	-	-	-	-		

	<b>Solar Plant</b>								
	<b>Capacity PV</b>	<b>Numbers</b>			<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
	20 kWp	64 Panels'			On Grid	-	-		
	<b>Solar Plant for Main Light</b>								
	<b>Capacity PV</b>	<b>Numbers</b>			<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
	200Wp/17.5 V	03 Panels			Mono Crystalline	03 Nos	-		
<b>13</b>	<b>स्वचालितवोल्टेजस्टेबलाइजर Automatic Voltage Stabilizers</b>								
	<b>Make</b>	<b>Model</b>	<b>Capa city</b>	<b>Input</b>	<b>Output</b>	<b>Phase</b>	<b>Qty</b>		
	i)old-A.E.Ltd	A.E.	5.0KV A	160-260	240	Single	01 No ,U/S		
	II)new-Servo	Servo	10kva	120-280	240	Single	01No		
<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>			
	<b>PSS NAIS Main Light</b>	SMF	Exide	12 V	100 AH	03 Nos.			
	<b>Genset</b>	Lead Acid	Exide	12 V	100 AH	01 No.			
	<b>Automation</b>	SMF	Rock et	12 V	26 AH	02 Nos.			
	<b>DGPS</b>	-	-	-	-	-			
<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	-	-	32 V/ 20 A	01No.	Send to Satpati L.H.		
	Automation	Powerex engineering	-	-	26.5 V DC	01No.	-		
<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>
	<b>Main Light</b>		Exide			850 VA	03 Nos	220 V	220 V
	<b>NAIS PSS</b>		APS		SR-1000	1 KVA	01 No working 1 No U/S	-	-
	<b>DGPS</b>	-	-	-	-	-	-	-	-
<b>17</b>	<b>स्वचलनउपकरण 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>	
	Nelco	02 Nos. Telemecaniqu e	01 No Schneide r	12V / 26 AH		1.8 m dia old 1.2 m dia new	01 No Sk Edge		
<b>18</b>				<b>Type of Extinguisher</b>		<b>Capacity</b>	<b>Nos</b>	<b>Make</b>	

	आग्निशमनउपकरण Fire Fighting Equipment	DCP	3.2 Kg	03 Nos	DCP
		DCP	1 Kg	02 Nos	DCP
		Foam	9 Liter	01 No	Foam
		Co2	9 Liter	01 No	Co2
		Fire bucket		04 Nos	
19	संचार <b>Communication</b>	NA			
20	जलपूर्ति <b>Water Supply</b>	One no. Open well inside lighthouse compound Mono block water pump 0.50 hp Bore well, Submersible pump 0.50 hp			
21	भूमि <b>Land</b>	Area	2.35 Hectares		
		Demarcation	Masonry Compound wall		
22	इमारतें <b>Buildings</b>	Quarters	Power house ,I/Q ,Office Room, Store Room, HLK Qtr.01 No, ALK Qtr 02 Nos., LHA&LHS Qtr One twin unit all Attached to L.H. Tower		
23	कंपाउंडलाइट <b>Compound Lights</b>		10 Nos		
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	NA		
		DVR	NA		
25	स्टाफ <b>Staff</b>	Sl. No	Designations		
		1	NA-I		
		2	NA-II (Vacant)		
		3	LHA		
		4			
		5			
		6			
		7			
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	By rail up to Boisar then 15 kms. By S.T. Busdepo to Ghivali & then 1 Km by walk up to Light House			
27	उपलब्धसुविधाए <b>Facilities available</b>	Marine Police Station	Panchamarg 8 Km		
		Dispensary	Tarapur 5 Km		
		High School	Tarapur 4 Km		
		Post office	Ghivali 2 Km		
28	डाकपता <b>Postal address</b>	Head Light Keeper Tarapur Light House P.O. Ghivali, Sub. P.O. Tarapur Tal & Dist – Palghar, Pin-401502			
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	Rs-2,50,742.90			

30	प्रवर्तनमेलानेकादेनांक <i>Date of commissioning</i>	21/06/1961
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