

## मास्टर लेजर/MASTER LEDGER

ईस्ट आइलैंड दीपस्तंभ और डी जी पी एस स्टेशन / East Island Lighthouse and DGPS Station			
क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/Discription	
1	ए.एल.ओ.एल/A.L.O.L.	F 1201	
2	स्थान/Position	Lat.13° 37.79' N , long 93° 02.94' E	
3	ऊंचाई/Elevation	89 M (Above MSL)	
4	अभिलक्षण/Characteristic	Fl (1) W 15 sec (fl 0.8)	
5	नॉटिकलमाइलमेदूरी Range in miles	24 NM	
6	दीपस्तंभटावर/L.H.Tower	Type	C.I. Circular tower on RCC Base
		Height	37M
		Colour Scheme	Red and White Band
7	ऑप्टिकलउपकरण Optical equipment	Optic	
		Make	BBT
		Type	
		Size	920mm
		No. of lens	3
		Area of dioptric portion	1700 Sq. cm
		Area of catadioptric portion	9000 Sq. cm
		Divergence Main/Emergency	1.24° (Horizontal) 2.48° (Vertical)
		Duration of Flash Main/Standby/ Emergency	0.16 Sec
		Pedestal	Mercury float
		Rotation Device	Stepper motor
		R.P.M.	1.333
		illuminating	
		Main	230V/400W Metal Halide Lamp
		Standby	
		Emergency:	SL-155-5D LED Equipment, Lens Dia 171 mm optic, Make: Sealite
		Date of Installation	14-02-2003
8	प्रभावीबीमतीव्रता/Effective beam intensity	Main	1500000 cds
		Emergency	
9		Diameter	3.5 m

	लैंटर्न/Lantern		Height of glazing		2.7m					
			No. of panes		36					
			Ventilators		11					
10	RACON		Sr. No		6295					
	Make	Model	Code		Band		Date of Installation			
	Weath Marine	WM-RB-II	D		X		26-09-2011			
11	NAIS									
	Base Station		02 Nos-AIS1 & AIS2							
	Model	Type	Power		MMSI					
	R40	Class A	AC-230V & DC-12V		4198001					
	Communication Equipment									
	VSAT Antenna	Band	Modem							
	2.4m dia Parabolic reflector	EX-C	Datum system M7LT Satellite Terminal							
	DGPS									
	Transmitter Make	Frequency	Power Output	RS 1 ID	RS -II ID	Beacon ID	Date of commissioning	Date of Recapitalization		
Nautel	313 KHz	500 Watts	442	443	121	20.03.2004	N/A			
12	ऊर्जाकेसाधन/ Source of energy		Mains			N/A				
			Power Source			DG Set 30 KVA make Eicher				
			Engine 1							
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
			Eicher	1	48.2 BHP	3	1500	Air		
			Alternator							
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
			Stamford	1	30 KVA	240V/130.4A	50Hz	Single		
			Engine 2							
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
			Eicher	1	48.2 BHP	3	1500	Air		
			Alternator							
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
			Stamford	1	30 KVA	240V/130.4A	50Hz	Single		
			Engine 3							
			Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling		
			Eicher	1	48.2 BHP	3	1500	Air		
			Alternator							
			Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase		
			Stamford	1	30 KVA	240V/130.4A	50Hz	Single		
Engine 4										
Make/Type	Qty	Rating	No of Cylinder	RPM	Cooling					
Eicher	1	48.2 BHP	3	1500	Air					
Alternator										
Make/Type	Qty	Rating	Voltage/Amp	Frequency	Phase					
Stamford	1	30 KVA	240V/130.4A	50Hz	Single					

	<b>Solar Plant</b>								
	<b>Capacity PV</b>		<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
	9 KWp		60 Nos		Mono Crystalline	48 Nos 12V/6000AH	01 No.		
	<b>Solar Plant for Main RACON</b>								
	<b>Capacity PV</b>		<b>Numbers</b>		<b>Type</b>	<b>Battery</b>	<b>Bank</b>		
70 W/12V		01 No.		TBP 1275	01 Nos 12V/100AH	01 No.			
<b>13</b>	<b>स्वचालितवोल्टेजस्टेबलाइजर</b> <b>Automatic Voltage Stabilizers</b>								
	Make	Model	Capacity	Input	Output	Phase	Qty		
	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
<b>14</b>	<b>बैटरी</b> <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>	Lead acid	Exide	12V	150 AH	1			
	<b>Automation</b>	SMF	Exide	12V	42 AH	2			
	<b>DGPS</b>								
<b>15</b>	<b>बैटरीचार्जर/ Battery charger</b>								
	Equipment	Make	Model	Type	Rating	Qty			
	General Purpose								
	Automation	Power X Engg	---	---	15 Amps	01			
<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>	---	---	---	---	---	---	---	---
	<b>NAIS PSS</b>	<b>02</b>	APC	---	Pure sine wave	1 KVA	2	12V DC & 230 AC	230VAC
	<b>DGPS</b>	<b>01</b>	Hykon	---	Pure sine wave	5 KVA	1	12V DC & 230 AC	230VAC
<b>01</b>		Aplab	---	Pure sine wave	1 KVA	1	12V DC & 230 AC	230VAC	
<b>17</b>	<b>स्वचलनउपकरण</b> <b>Automation Equipment</b>								
	MAKE	PLC	HMI	Power Supply	VSAT	Modem	Band		
	NELCO	Schneider & Telemecanique	Schneider	24 V DC	1.8m dia Parabolic reflector	SkyEdge	EX.C		
<b>18</b>	<b>आग्निशमनउपकरण</b> <b>Fire Fighting Equipment</b>			<b>Type of Extinguisher</b>		<b>Capacity</b>	<b>Nos</b>	<b>Make</b>	
				DCP Type		6 kg	3		
				Water Co2		9 Ltr	2		
				Foam Type		9 Ltr	3		

19	संचार <b>Communication</b>	Not Available	
20	जलपूर्ति <b>Water Supply</b>	01 Nos Open Tank , 7 Nos rain water collection tank provided.	
21	भूमि <b>Land</b>	Area	0.73 hectre
		Demarcation	Not Available
22	इमारतें <b>Buildings</b>	RCC Structure: 05 Nos	Power House-cum Transmitter and DGPS room, Workshop, Coil Hut, Twin units of ALK Qtrs, SRT Qtrs. (Single Unit)
		Timber Construction above plinth level	Inspection Qtr., One-unit Assistant Engineer Qtr., twin unit of ALK Qtr., twin units of LHA and Safiawala Qtrs, office cum store and recreation rooms
23	कंपाउंडलाइट <b>Compound Lights</b>	LED Light fitted on G.I Pole-25 Nos	
24	सीसीटीवीकमेरा CCTV CAMERA	Camera	CP Plus -04 Nos
		DVR	01 Nos
25	स्टाफ <b>Staff</b>	Sl. No	Designations
		1	Navigational Assistant on tour from Port Blair
		2	LHA on tour from Port Blair
26	पहुँचनेकामाध्यम <b>Mode of approach</b>	Travel either by sea or bus up to Diglipur (regular ferry or public bus from Port Blair), Travel by road upto Aerial Bay then use mechanized boat to reach East Island. Walk from Island shore to lighthouse, distance is about 1 Km (approached by foot path)	
27	उपलब्धसुविधाए <b>Facilities available</b>	The nearest Post office, Dispensary, High School, Police Station are available at Diglipur. Nearest port is Aerial Bay, which is about 30 Nm from East Island. The Police look out post having a HF R/T link (with Port Blair) and a police compound is situated adjoining to Lighthouse campus. The Island is otherwise uninhabited	
28	डाकपता <b>Postal address</b>	Assistant Engineer (E) East Island Lighthouse C/o Post Master, P.O. Aerial Bay (A & N Islands) Pin: 744202.	
29	मूल्यकाब्योरा <b>Cost details</b> (At the time of Construction)	N/A	
30	प्रवर्तनमेलानेकादेनांक <b>Date of commissioning</b>	24 /04/1969	