

मास्टर लेजर/ MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/ Discription
1	ए. एल. ओ. एल/A.L.O.L.	: F.0388
2	स्थान/Position	: Lat 22°28'34.87' N Long 69°04'11.38'E
3	ऊंचाई/Elevation	: 26M
4	अभिलक्षण/Characteristic	: FI (3) W.25 sec.(FI-1. 0.41, ec. 4.59, FI-2.0.41, ec.4.59, FI-3. 0.41, ec.14.59)
5	नॉटिकल माइल मे दूरी Range in miles	Luminous : 25 NM Geographical : 15 NM
6	दीपस्तंभ टावर/L.H.Tower	Square Masonry tower,Height: 23 M Color scheme Red and White alternate horizontal band
7	ऑप्टिकल उपकरण Optical Equipment:-	Make: Chance Brother Ltd., U.K Size: 250 mm dia (4 th order) revolving No. of Panels 3 Area of dipodic portion: Corrected area 520 sq.cmArea of catadioptric portion: Corrected area 2335 sq.cm Divergence: Main : 2° 44' (Hori.), 6° 09' (Verti.) Emergency: 0° 38' (Hori.), 0° 68' (Verti.) Duration: 5 sec.
	Pedestal	: Mercury float (28.0 Kg. In use)
	Rotation device	: 20 kg.cm stepper motor for direct drive
	R.P.M	2.4
	प्रभावी बीम तीव्रता/ Effective beam intensity	: 3,86,400 cd
8	Input Voltage	: 230V
9	Type of light	150W CDMT lamp
10	Colour of Light	: White
11	<u>Lantern</u> Diameter Height of glazing No. of panel Entilators	: 2.16 Mtr. : 1.04 Mtr. : 8 Nos : 7 Nos.
12	Energy source	Mains 440V / 230V, 3- phase, 50Hz Diesel engine generator set 2- nos 50 KVA 30 kw on grid solar power , solar system date of commissioning 17/12/2016 Make by ALPHA
13	H.S.D storage tank	

	Nos Capacity	01 120000 Ltr
14	No. of Standby diesel generators	2 Nos. Date of installation 10 Jul 2011
15	Automatic Voltage Regulators, 03 nos. installed on 03.07.2017	Make : Servo Max Capacity: 15 KVA Input: 170 - 270 VAC Output: 230 VAC + /- 1%
16	Batteries:	02 Nos starting battery for genset 12v/130 Ah for both DG I& DG II . 01No, 12v/100 Ah battery for Racon 03 Nos ,12v/100 Ah battery for main light
17	Fire fighting equipments:	02 Nos 6.5kg CO2 Type Fire Buckets: 04 Nos
18	Water Supply:	water supply from Okha Nagar Overhead tank 1000 litter 60,000 litres capacity (U/G) Rain water harvesting tank - 02Nos.
19	Land:	Area: 8.774 hectares, Demarcation : Stone masonry compound wall. No of fruit bearing trees : Nil No of non-fruit bearing trees: 200 Nos
20	Buildings	Lighthouse Tower, VTS Tower, Inspection Quarter, AE quarter, NA-I quarter, NA-II quarter, NA-III quarter, RT quarter,02 Nos LHA quarter, Driver quarter, Technical building, Power house, 02 NOS bouy Yard
21	Compound street lights	11 poles
22	Facilities available	Police station, Post Office at 2 Km Highschool ½ Km, Dispensary2 Km.
23	<u>DGPS (Differential Global Positioning System)</u>	
	Beacon Make Transmitter	Installed on 22 Mar 2018 GR 30 Nautel

	Carrier Frequency Ultimate radiated power (ERP) Reference No RS1 Station ID Rs2 Station ID Station ID Transmission cycle Keying	300 KHz 500 W 02 400 401 100 Continuous MSK	
24	Aerial		
	Type Height Power back -up system Transmitter room cooling system Make Capacity Date Commissioning Recapitalized on Aerial mast No of Aerial mast Height Cost of Equipment Date of Commissioning Subsequent Innovations	Omni Directional T 30 M UPS 10 KVA & 3 KVA , Make: APC Air conditioning-03 Nos Voltas 1.5 ton 30 -10-1998 21-03-2018 Gl trestle tower Two 30 m Rs.2,36,23,829/- May 2004 22/03/2018	
25	RACON		
	Make Type of equipment Frequency bandwidth Output pulse power Code Power supply Mode of Charging Date of Installation	Tideland, USA Sea Beacon 2 system 6, Frequency agile Swept frequency in the band 9300 to 9500 MHz 135 mA "O "(---) 12v, 100 Ah battery Solar Panel, 35 Watt 10-03-2004	
26	Address & Communication	Assistant Engineer (E) Lighthouse VTS & DGPS Station Okha Dist: Devbhumi Dwarka - 361 350 Email id: okhalighthouse@gmail.com	
27	Date of Commissioning	15-08-1956	
वी टी एस उपकरण/ VTS EQUIPMENTS:			
क्रम संख्या/ Sr.No	विवरण/ Discription	Qty	Location
01.	X- band Radar Scanner/ Antenna (Make: Terma, scanter2001)	01	Equipment Room

02.	S- band Radar Scanner/ Antenna (Make: Terma, scanner2001)	01	Equipment Room
03.	X- Band RADAR Transceiver	02	Equipment Room
04.	S- Band RADAR Transceiver	02	Equipment Room
05.	ACU (Both X and S)	02	Equipment Room
06.	CSET (Both X and S) (Make: Kongsberg)	04	Equipment Room
07.	RSD (Both X and S) Make: Terma	02	Equipment Room
08.	UPS, on line, 3 Phase ,15 KVA (Make: Schinder Electric)	01	Equipment Room
09.	UPS, on line, 3 Phase ,10 KVA (Make: APC)	01	Equipment Room
10.	Batteries for 15 KVA UPS (Make: APC, Capacity:12v/26Ah)	32	Equipment Room
11.	Batteries for 10 KVA UPS Make: Amaron Quanta, Capacity:12v/42Ah	16	Equipment Room
12.	RFU/ODU	02	Equipment Room
13.	Mini Microwave Link Unit (Make: Ericsson)	01	Equipment Room
14.	VHF set (Make: Jotron)	03	Equipment Room
16.	RDF (Make: SERVO LIGHT)	01	Equipment Room
17.	KVM SW (Make: ATEN)	01	Equipment Room
18.	Rack Manager (Make: enter)	01	Equipment Room
19.	CISCO Switch (Make: CISCO Catalyst 3560 Series)	01	Equipment Room
20.	Microwave Antenna (Make: Faini TelecommunicationSystem,	02	VTS Tower

	Kathrein)		roof
21.	RF antenna for Okha PMS	01	VTS gallery
22.	RF antenna for Indian Navy (Okha)	01	VTS gallery
23.	RF antenna for Okha Indian Coast Guard (Okha)	01	VTS gallery
24.	Air Conditioner (Make: 02 Nos. Bluestar & 01 Nos. Videocon)	03	Equipment Room
25.	Lift: Inside the 60M high RCC radar tower lift has been installed Make - Trio Elevators Motor - 3- ϕ induction motor 5.5KW, Capacity – 408 Kg Speed 1m/sec	01	VTS Tower
26.	Address & Communication	Assistant Engineer (E) Lighthouse VTS & DGPS Station Okha Dist: Devbhumi Dwarka - 361 350 Email id: okhalighthouse@gmail.com	
27.	Date of Installation	15-08-1956 Lighthouse 13.02.2012 VTS	