

मास्टर लेजर/ MASTER LEDGER

क्रम संख्या/ Sr.No	नाम /Name	विवरण/ Discription
1.	ए.एल.ओ.एल/ A.L.O.L.	: F-0357
2.	स्थान/ Position	: Lat 22°49.08' N Long 69°20.8'E
3.	ऊंचाई/ Elevation	: 45 M
4.	अभिलक्षण/ Characteristic	: Group flash 3 white every 30 sec [(fl 1s, ec 5s)*2, fl 1s, ec17s]
5.	नॉटिकल माइल में दूरी Range in miles	: 16 NM
6.	दीपस्तंभ टावर/ L.H.Tower	: RCC Circular concrete Tower Height : 60 Mtrs (Light is installed at the height of 45 mtr) : 4 black and 3 white bands. (Bottom band black)
7.	ऑप्टिकल उपकरण Optical Equipment:- Type of Light (LED Flasher)	: SL300-1D5-1-W (13 – 19NM AT@ 0.74)
8.	प्रभावी बीम तीव्रता/ Effective beam intensity	: 94400 cds
9.	LED flasher Input Voltage	: 24 V DC (Range 24V – 48V DC)
10.	Load current Peak Power	: 16A DC at 24V DC : 384W (In Continuous Light)
11.	Colour of Light	: White
12.	Horizontal Output	: 360°
13.	Vertical Divergence Physical Characteristic:- Body of Material Lens Material Lens Diameter Lens Design Mounting Height Width Weight Circuit Protection Water proof Product Life Expectancy	: >1.5° : Marine Grade Two part epoxy coating to resist the elements. : UV -stabilised acrylic : 373mm : Multiple LED Optic : 3- & 4-hole 200mm bolt pattern : 302mm : 373mm : 18.5Kg : Polarity Protected : Polarity Protected : IP 68 : Up to 12 Years
14.	Date of Installation	: 13/03/2022

15.	Make	: Sealite, Australia
16.	Type of Light structure	: Stationary LED flashing light

वी टी एस उपकरण/ VTS EQUIPMENTS:

क्रम संख्या/ Sr.No	विवरण/ Discription	Qty	Location
i.	X- Band RADAR TransceiverScanter 2001,9375MHz Type 262001-024 Rev F S. No.: 3008 Type 262001-017 Rev F SNo.: 309 D.O.I: 23/04/2012	02	Eqpt room
ii.	Scanter ACU Type: 262382-001 Rev H SNo:3018, Voltage 3X400V, Freq -47.63Hz , Power4KVA, Make Terma D.O.I: 11/2011	01	Eqpt room
iii.	Radar Data ProcessorC- SET01 SNo: 305305221, D.O.I: 04/01/2020 C-SET02 SNo. 3462610920, D.O.I: 08/07/2020	02	Eqpt room
iv.	RSD (Radar Service Display)MAKE: TERMA SNo:4596 D.O.I: 15/02/2020	01	Eqptroom
v.	UPS, On line, 3 Phase, 15 KVAMAKE: SCHINDER D.O.I: 21/08/2019	01	Eqpt room
vi.	12v, 26AH Battery, make: APC SMF BatteryD.O.I: 21/08/2019	32	Eqptroom
vii.	Microwave Antenna Make -Faini Tele communication System, (Kathrein)SNo: SNo:08KIMWA0000120001 SNo: 08KIMWA000012000 2 SNo:08KIMWA0000120003	06	On towerwall

	SNo: 08KIMWA000012000 4 SNo:08KIMWA0000120005 SNo: 08KIMWA000012000 16 D.O.I: 11/2011		
viii.	RFU/ODU	06	With antenna
	RFU/ODU SNO: CR9N993376 SNO: CR9P067469 SNO: CR9P059228 SNO: CR9Q240342 SNO: CR9Q240354 SNO: CR9Q240355 D.O.I: 18/08/2019		
ix.	SPU-Harries True Point 4040 SPU-ERICSSION ML6691 SI. No: CE8A284393, D.O.I: 18/08/2019	01	Eqptroom
x.	MUX (PDH MUX) D.O.I: 11/2011	01	Eqpt room
xi.	KVM (Key Board Video& Mouse) S/WD.O.I: 11/2011	01	Eqptroom
xii.	RM (Rack Manager), Make - Austin Hughes screen -40cm Model: N117e Sr.no: 226011111 0192 D.O.I:11/2011	01	Eqptroom
xiii.	CISCO Switch Catalyst 2960 Series SNo: FOC1503 WOZZ D.O.I: 11/2011	01	Eqptroom

xiv.	6KVA UPS, Make NGBPS, SNo. JH1020 D.O.I: 14/03/2019	01	Eqptroom
xv.	12v, 26AH Battery, MAKE AMRON (Quanta) D.O.I: 11/2011	20	Eqptroom
xvi.	Rectifier SNo: BS350/B/4371 D.O.I: 11/2011 (SPARE)	01	Eqptroom
xvii.	DG SET 40 KVA 415 v 3 ϕ Mod.KG40AS Engine Type HA494T. S.no.04-2421/0920399	02	Powerhouse
	Alternator SNo. CS3E010E105206 D.O.I : 11/2011		
	Battery 12V, 130Ah, Make- EXIDE D.O.I : 22/05/2017		
	DG SET 40 KVA 415 v 3 ϕ Mod.KG184E Engine Type HA494T. Sno.04.2421/0920698 Alternator D.O.I: 11/2011		
	Battery 12V, 130 Ah, Make- EXIDE D.O.I : 18/08/2021		
xviii.	40 KVA AMF Control Panel SNo:04- 10/05/07, Sterling Generators Pvt. Ltd D.O.I: 11/2011	01	Powerhouse
xix.	40 KVA LVDB Panel Make - Sterling Generators Pvt. Ltd SNo:03-10/187/02 D.O.I: 11/2011	01	Powerhouse

xx.	A/C- 1.5Ton Make Blue star SNo. C101270530310B2313043 0 D.O.I: 24/09/2011 A/C- 1.5Ton Make Voltas SNo. 500535118199001281 D.O.I: 24/04/2011 A/C- Videocon 1.5 Ton S. No:11081574200 224 D.O.I: 1/11/2015	03	Eqptroom
xxi.	Exhaust Fan (Bajaj) D.O.I: 11/2011	03	Lift room,Power house
xxii.	19-inch Val Rack for Radar Equipment D.O.I: 11/2011	01	Eqpt room
xxiii.	Comtel Rack D.O.I: 11/2011	01	Eqpt room
xxiv.	Isolation Transformer 6 KVA D.O.I: 09/09/2015	01	Eqptroom
xxv.	APC REMOTE PDU SN: SA1922E014048	01	Eqpt room
xxvi.	Isolation Transformer 6 KVAD.O.I: 06/2016	01	Powerhouse
xxvii.	Lightening Arrester D.O.I: 10/04/2019	01	Top tower
xxviii.	Radar TxRx change over unitMake: Terma D.O.I: 11/2011	01	Eqpt room
Energy source			
	Main supply voltage 230 V, 1 Phase, 50HZ from PGVCL Diesel Engine Generator Kirloskar - 02 Nos. 40 KVA, HA494T.		
On Grid 30 KW Solar Systems:			

	i) Date of Installation: November 2016 ii) Inverter-01 No., iii) Sr no: O 1 Y 1 6 6 0 2 1 0 2 W T Input 200-1000 V DC, output 230-400 V AC, make: Delta and 110 nos. of solar panel make:GAUTAM.		
Automatic Voltage Stabilizers-			
	Automatic Voltage stabilizer make-Power+, DELTA Input: 14-280V, Output: 230V, Capacity-16KVA, Frequency-50Hz, Date of Installation: 11/2011		
HSD oil storage tank:			
	Beral 5 * 200 = 1000 ltrs. Capacity HSD oil storage		
Lift:			
	Inside the 60M high RCC radar tower I lift has been installed as per below specification: <ul style="list-style-type: none"> • Make - Trio Elevators • Motor - 3-φ induction motor 5.5KW • Capacity - 6 passengers • Speed - 1m/sec • Sl. No. - 2008060330 • D.O.I: 11/2011 The License valid up to 01/05/2022.		
CCTV:			
CCTV cameras have also been installed on dated 15/09/2018.			
1) Bullet cameras : 06 nos.			
2) Dome cameras : 02 nos.			
3) PTZ camera : 01 no.			
4) NVR : 01 no.			

COMPOUND STREET LIGHTS:			
	02No. fluorescent flood light and 5 Nos. of LED street poles are provided in the compound.		
Fire-extinguishers:			
	<p>The Following firefighting equipment are provided. And Date of Installation: 08/07/2011</p> <p>ABC dry powder (5 Kg. capacities) : 4 Nos. (2 in power house, 1 in base room, 1 in lift room)</p> <p>Clean Agent (4 Kg. capacities) : 2 Nos. (2 in VTS equipment room)</p> <p>Fire Buckets: 2 Nos. (The fire buckets with stands are provided in front of power house.)</p>		
LAND:			
	<p>i) Area: 2108.0097 Sqm.</p> <p>ii) Demarcation : Masonry compound wall on all the four sides</p> <p>iii) No. of fruit trees : 02 trees</p> <p>iv) No. of non- fruit bearing trees: 40</p>		
FACILITIES AVAILABLE :			
	Police station, Primary school, Primary Health Centre at Government hospital, Vijay villas.		
STRUCTURE:			
	<p>LH cum Radar tower: - 60m high RCC circular tower with internal lift facility and staircase.</p> <p>Technical Building: - 01 Unit</p> <p>Inspection Quarter: - 02 Unit.</p> <p>LHA quarter: - 2 Nos.</p>		

	<p>SRT Quarters: 2 Nos. RT Quarters : 02 nos Security Cabin: 01 Nos.</p> <p>Compound wall: - The masonry compound wall with barbed wire coping on the top has been provided on four sides for enclosing land buildings with internal cement concrete pathway.</p> <p>Main gate: - M. S. gate has been provided on the entrance.</p>		
WATER SUPPLY:			
	<ul style="list-style-type: none"> 60,000 litres capacity water storage tanks are provided with water pump motor. 500 litres capacity 09 Nos. Sintex tanks are also provided on Technical Building, Inspection Quarter, Group-D quarter and R/T Quarter. 10,000 litres capacity RCC overhead water tank is newly constructed near the tower. 		
ADDRESS & COMMUNICATION		<p>Station In-Charge Mandvi Lighthouse & VTS Station Near kharwa pachawada Kutch, Gujarat 370 465 Telephone no. 02831-222981</p>	
DATE OF COMMISSIONING		13/02/2012	