

मास्टर लेजर/ MASTER LEDGER

क्रमसं ख्या/ Sr.No	नाम /Name	विवरण/ Discription	
1.	ए.एल.ओ.एल/A.L.O.L.	: F0361.82	
2.	स्थान/Position	: LAT: 22.7679° N, LONG:69.6725° E	
3.	ऊंचाई/Elevation (Above MSL)	: 48M	
4.	अभिलक्षण/Characteristic	: Gp Fl 2 (W) every 10 Second	
5.	नॉटिकल माइल मे दूरी Range in miles	: 15 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)	: SL-155 With 9 degree elevation	
8.	Lantern	: Model no.SL-155-2.5D-W LED LANTERN Make- Sealite, S/n- 565908	
9.	Illuminate	: White LED 12 volt supply by 12 volt 170 wattsolar panel	
10.	Power Source	:100 watt Solar Panel with 12 V 100 AHbattery for Light SL-155 :70 watt Solar panel with 12 Volt 100 AH Battery for Recon PMPI X band.	
11.	Year First Light Commissioned	: 01.06.1965	
12.	Subsequent development	: 1988,1993,1997,2003	
वी टी एस उपकरण/ VTS EQUIPMENTS:			
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i.	X- band Radar Scanner/ Antenna 18", HCP Antenna -18,No. 314240-001 REV-D, Sl. No- 3008 Turning Unit HCP No:519980-001 S/N- 3006 Make -Terma	01	VTS TOWE R

ii.	X- Band RADAR Transceiver Scanter 2001,9375MHz RxTx21, Type 262001-024 Rev FS/N- 3017 RxTx22, Type 262001-017 Rev G S/N- 3021	02	Eqpt room
iii.	Scanter ACU Type : 262382-001 Rev H SNo:3019, Voltage 3X400V, Freq -47-63Hz , Power 4KVA, Make Terma	01	Eqpt room
iv.	RDP- C-Set V.3 MK2, Kongsberg, S/N- 3053182216 RDP- C-Set V.3 MK2, Kongsberg S/N- 3468241120	02	Eqpt room
v.	RSD Make- Terma, S/N- 4598, (Service Display)	01	Eqpt room
vi.	UPS, On line, 3 Phase , 15 KVA for Radar Scanner, make- EasyUPS 3s (Schneider Electric) S/N- 9E 1851T10084	01	Eqpt room
vii.	12V/ 26AH Battery, Make- APC for 15 KVA ups	32	Eqpt room
viii.	Microwave Antenna Make –Faini Tele communication System, (Kathrein) S/N- 08K1MWA0000120013 S/N- 08K1MWA0000120019, S/N- 08K1MWA 0000120012, S/N -08K1MWA0000120018, S/N- 08K1MWA0000120017 S/N- 08K1MWA0000120015	06	VTS TOWER
ix.	RFU/ODU , Make- Ericsson S/N- CR9N958653 S/N- CR9N958652 S/N- CR9N958657 S/N- CR9Q240404 S/N- CR9Q240413 S/N- CR9Q240420	06	Eqpt room
x.	SPU, Make- Ericsson ML 6693 Config 3 S/N- CE8A284392	01	Eqpt room

xi.	MUX(PDH MUX) PDH Multiplexer, Model- Nokia SiemensS/N- 8VO93917338 T3787001 B6 (Mux)	01	Eqpt room
xii.	KVM Switch	01	Eqpt room
xiii.	Remote Power Distribution unit(RDPU) Make;-APC, S/N- 5A1922EE03502	01	Eqpt room
xiv.	DC power Supply For IDU Make-Mean Well, 48v DC supply	01	Eqpt room
xv.	Rack Manager 17"(Samsung) Austinrghes Model-A117e, S/N- 2060110094165-05z Note: (Faulty and taken by M/S Elcome. Dtd,06/06/2016 & 17inch monitor and keyboard mouse provided)	01	Eqpt room
xvi.	CISCO Switch Catalyst 2960 Series S/N- FOC1331Z5DW	01	Eqpt room
xvii.	19" WALL Rack 1 No.-HITT	01	Eqpt room
xviii.	19"COMMTEL Rack TCIL	01	Eqpt room
xix.	VHF (Model-PSU-7006) JORTON VHF Base Station 7750C S/N-9721 S/N-9722 S/N-9723	03	Eqpt room
xx.	AIS AIS -KONGSBERG Make Model: BS 500 BS 500 AIS Base Stn. Part No:B500-01S/N- 5001126	01	Eqpt room

xxi.	7.5KVA UPS , Make-SUKAM	01	Eqptroom
xxii.	12v, 26AH Battery, Make- QUANTA	16	Eqpt room
xxiii.	Rectifier BSMC Make,350 X 3 Module S/N- BS-350/B/4302	01	Eqpt room
xxiv.	D G Set :154 BHP,100KW,125KVA Make: Sudhir Gen Sets LtdModel: SGL -C125D5 P S/N:1445 Engine No:62680113 Alternator No:N08F172Z1 Full load Current 174A(at 0.8pf) Starting Battery 12V 135 AH Panel Type Standard Panel S.No:08/2008/4954	01	D.G room
xxv.	DG Set - 62.5 KVA, Make- Kirloskar, Supplied by Adani Port	01	D.G room
xxvi.	125 KVA AMF Control PanelS/N- 1/2010/11573, Sudhir Genset Ltd.	01	Powerhouse
xxvii.	Isolation Transformer -3 Phase (Power House) Capacity- 40KVA, Make- Uma alfa	01	Powerhouse
xxviii.	Isolation Transformer 6KVA	01	Eqpt room
xxix.	LVDB Panel Make L&T Model DU160 Voltage 415 V Rating 160 Amps S/N- IS13947-2	01	Powerhouse
xxx.	PF Corrector Panel 50 KVAR	01	Powerhouse
xxxi.	PF Corrector Panel 25 KVAR	01	Lift Penal Room
xxxii.	A/C- 1.5Ton LG Make, Split type S/N- 910NLPQ003170 LG Make, Split type S/N- 201AAMY014955 Videocon Make, Split type S/N- 11081574200226	03	Eqpt room
xxxiii.	PV Module Silicon, (Solar Panel)- 250 W each Make: USG (Universal Solar Group)	120	
xxxiv.	Solar Inverter, 30 KW Make: Delta	01	Power house
xxxv.	Solar battery, 2V, 300AH Make- EXIDE	24	Eqpt room

xxxvi.	Sukam Charging Controller	01	Eqpt room
Energy source			
	<p>Mains supply - The Adani SEZ mains, 415V, 3-phase, 50 Hz supply is available. Mains is steady and less power cuts. Standby supply -02 numbers DG Set.</p> <p>a) "Sudhir" Make diesel alternators is provided at the station. Capacity of the DA set is 125 KVA, 415V, 3- phase, 50Hz, 1500 rpm.</p> <p>b) "kirkosker " Make provided at the station Capacity of the DG set of 62.5 KVA, 6 cylinder 415V, 3- phase, 50Hz, 1500 rpm.</p> <p>The power supply is controlled and distributed by an AMF panel in selectable 'auto/manual' mode of operation.</p>		
On Grid 30 KW Solar Systems:			
	<p>i) Date of Installation: 20/08/2016</p> <p>ii) 30KW Inverter,</p> <p>iii) Make: Delta</p> <p>iv) PV Module silicon 120 nos. of solar panel</p>		
Lift:			
	<p>Inside the 60M high RCC radar tower I lift has been installed as per below specification:</p> <p>Make - Trio Elevators , Traction M/c, Model EH1509</p> <p>S.No. EH 00609</p> <p>Motor - 3-ϕ induction motor 5.5KW, (S.No. 1000073646)</p> <p>Capacity - 408 Kg/ 6 passenger</p>	01	VTS Tower
CCTV:			
	Hikvision make- CCTV System with 8 Camera installed for station monitoring 24x7 and connected with internet to monitor from remote		
COMPOUND STREET LIGHTS:			
	Total 29 number LED street lights (29 Nos. fitting on G.I poles) are provided at station. Two number lights are fitted on gate.		

Fire-extinguishers:			
	The Following FIVE firefighting equipment are provided. Cease fire ABC dry powder (5 Kg. capacity- 2 Nos. Dry chemical powder Clean Agent (4 Kg. capacity)- 2 Nos. CO2type (2 Kg. capacity)- 1 Nos. Fire buckets- 3 Nos are also in station.		
LAND:			
	i) Area : 8000 Sqm. ii) Demarcation : Masonry compound wall on all the four sides iii) No. of fruit trees :40 trees iv) No. of non- fruit bearing trees:120		
STRUCTURE:			
	a. VTS tower: - 60m high RCC circular tower with internal liftfacility and staircase. b. Technical Building: - 01 Unit c. Inspection Quarter: - 01 Unit. d. Security Cabin: 01 Nos. e. Compound wall: - The masonry compound wall with barbed wire copingon the top has been provided on four sides for enclosing land buildings with internal cement concrete pathway. f. Main gate: - M. S. gate has been provided on the entrance.		
WATER SUPPLY:			
	<ul style="list-style-type: none"> • Water supply from Adani port 4 taps are provided inside VTS compound. • 80,000 litres capacity water storage tank is provided with water pump motor. Two motors (3HP, 2.2 Amps, 420 V, RPM 2800) with one starter (type- MV-G6) are installed at station. • 10000 litres capacity RCC overhead water tank is newly constructed near 		

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ADDRESS& COMMUNICATION		Navinal VTS & Lighthouse Station, Adani Port Mundra, Dist. - Kutch, Gujrat-370421 Ph.: 2838-296850. Email: navinalvts@gmail.com	
DATE OF COMMISSIONING		13/02/2012	