

RFID (Radio Frequency Identification System) based Gate pass entry system



- As a part of Modernization of Indian Sea Ports in order to enhance security, remove bottle necks of seamless movements of traffic across port gates, ensure tracking, tracing of man, material, vehicle, equipment and other assets, Visakhapatnam Port Trust has initiated implementing Radio Frequency Identification (RFID) based access control systems at the following gates:

1) GCB Gate.

4) West Ore Berth-Gate.

2) East Quay-7 - Gate.

5) West Quay 7&8 - Gate.

3) Dock main Gate.

6) North West Gate.

B.G.LOCOS



•This division is provided with Diesel Electric Locomotives to Operate & Maintain and provide to Traffic Railway Operations in all the 3 shifts to handle rail born cargo of port i.e. around 30% of Port throughput. The Fleet details are:

| Sl. No. | DESCRIPTION | MODEL | Quantity |
|---------|---|---------|----------|
| 1 | WDS-6 Model Diesel Electric Locomotives. | 1350 HP | 07 |
| 2 | WDG-3A Model Diesel Electric Locomotives. | 3100 HP | 03 |

MOBILE X-RAY CONTAINER SCANNER



- **Mobile X-Ray Container Scanning System (MXCS) reducing physical examination and dwell time of containers at VCTPL.**

10 MWp SOLAR PROJECT



- VPA has developed 10 MW Solar PV plant and harnessed with generation of 1.45 crores units of Solar energy thereby reducing 14300 tons of carbon foot print.

WIRELESS COMMUNICATION



- **Facilitating In-house VHF wireless communication using Radio Base Station, Repeater station, Hand Held units to achieve seamless & reliable communication to Port shipping, Railway Marine, Environment and Security Operations.**

10 MLD SEWAGE TREATMENT PLANT (STP)



- The STP collects / receives Sewage water from the City municipality.
- The Sewage water is recycled / treated at plant and stored in the Pond.
- The treated water is used in the port at various locations for dust suppression.

FOG CANNON



SWEEPING MACHINE



DREDGERS AND FLOATING CRAFTS (DFC)

- One of the core operations of Visakhapatnam Port Trust is Pilotage of merchant vessels into and out of the port and one of the important resources needed in this operation is Tug.
- A tug is a floating craft that manoeuvres vessels by pushing or towing them. Tugs move vessels that either should not move by themselves, such as ships in narrow channels of harbour or congested areas or those that could not move by themselves, such as barges, disabled ships.



- Tugs are powerful for their size and strongly built, and can operate in close quarters.



- 05 Nos. of Bollard Pull (ASD / Tractor) Tugs.



- 01 No. of Agni Class Fire Float.



- 01 No. of Garbage removal Craft (Jala Sudhak).

DRY-DOCK



- Length - 140.24 mtrs.
- Breadth - 18.28 mtrs.
- Draft - 5.6 mtrs.

MATERIALS MANAGEMENT WING



- **Procurement action of Materials required for entire Port.**
- **Inventory Management at General Stores.**
- **Disposal of unused Goods / Material by General Stores.**