



OVERVIEW

This fully mechanized coal handling terminal will be the most modern and efficient in South India. It will cater to the import requirement of the numerous power, steel and industrial plants in the hinterland.

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HIGHLIGHTS

- Dredged depth of 14.1 meters.
- Designed to berth 95,000 DWT vessels.
- 3 ship un-loaders connected to conveyor belts.
- Daily output of up to 75,000 MT
- Fully automated stacking, reclaiming and truck loading.
- Stacking capacity of 600,000 MT
- Comprehensive Dust suppression system in place.
- Upcoming railway connection.
- Annual capacity of 14 million tons.
- Commissioning : Q1 2014.
- Exclusivity to handle non-captive coal in the port of Tuticorin.



| NO. | TERMINAL CHARACTERISTICS | |
|-----|------------------------------------|--|
| 1 | Berth Length | 306 Meters |
| 2 | Wharf / Berth Structure | Concrete deck slabs on piles |
| 3 | Fenders: type and distance between | Compression rubber fenders, 21 meters |
| 4 | Max available draft | Phase I : Dredged depth of 14.1 meters with a draft of 12.8 meters. Phase II: Dredged depth of 16.8 meters |
| 5 | Max air draft (after discharge) | No restrictions. Terminal is equipped with Gantry cranes, which have boom up (Luffing) |
| 6 | Water density | Sea Water Brackish 1.018 to 1.020 kg/cb.meter |
| 7 | Tide variation if any | Less than 1 meter |
| 8 | Entry channel draft | 12.8 meters |
| 9 | Max allowed Deadweight tonnage | 95,000 DWT |
| 10 | Port working time | 24 hours SHINC |
| 11 | Vessels maneuvers restrictions | No restrictions |
| 12 | Max Displacement of a Vessel | By design and construction, the berth is capable of handling vessels with displacement of up to 115,000 mT |
| 13 | Hold-cleaning method | Front-end loaders |
| 14 | Max LOA | 255 meters, (Berth will be able to accommodate larger vessels by sending mooring lines to adjacent Berths). |
| 15 | Max Beam | 40 meters. Note - Today there is a navigational restriction to 36 meters beam. This may be increased as will be commercially required. |
| 16 | Number of discharging equipment | 3 Grab type ship Un-loaders |
| 17 | Grab capacity | 35.6 cb.meters each |
| 18 | Max outreach | 40 meters from sea side rail centre |
| 19 | Max Discharging rate per day | Up to 77,760 mT |
| 20 | Berth conveyors | 3 conveyor belts at berth. 2 Over sea and Yard conveyors belts capacity of 6,000 tph. |
| 21 | Storage capacity | 120,000 sq.meters (600,000 tonnes of cargo) |
| 22 | Reclamation system | 2 reclaimers with a total capacity of 1500 TPH each |
| 23 | Truck loading capacity | 4 x Truck loading stations in phase I (potential upgrade to 6 Truckloading stations in phase II) |
| 24 | Rake loading facilities | Planned for 2016 |
| 25 | Provision for Fresh Water supply | Yes, through tankers |
| 26 | Provision for bunkering | Yes, through agents |