

**Kandla International Container Terminal (KICT, JM Baxi Group)
at Deendayal Port (Kandla Port), Gujarat, India**

**DEVELOPMENT OF CONTAINER TERMINAL
AT BERTH NOS. 11 & 12 OF KANDLA PORT**



[Year Completed: 2017]

Involves:

- **Preparation of DPR and Computer Simulation to cross-check the viability of the recommended scheme in DPR**
- **Preparation of Master Plan**
- **Preparation of Tender Documents and assisting Client to appoint Suppliers / Contractors.**
- **Coordination with Independent Engineer**
- **Preparation of Construction Drawings, review of submittals, etc.**

The project was restored by KICT rehabilitating 4 numbers container handling Quay Cranes and 4 number RTGC on existing two berths (purchased by a third party) and developing the back-up area as container yard for storage, tractor trailer and train movement for export-import operation.

Grafix was appointed by KICT for

- a. Planning the operation for handling the targeted containerized cargo
- b. Development of yard and gate complex accordingly
- c. Assessment of numbers of all types of handling equipment
- d. Detailed engineering and preparation of specifications and construction drawings of
 - i) Yard reclamation and consolidation

- ii) All construction drawings of civil works
 - iii) Power distribution system and the sub-station taking care of future development
 - iv) Field Offices
- e. Drawing showing the Lane Markings
 - f. Taking IE's approval at each step required.
 - g. Assistance in commissioning and as-built drawing preparation

Development of a computer model of the terminal and simulated to visualise and review the impact of operation identifying bottlenecks and formulating additional facilities (resources) required to handle the peak traffic and analysing sensitivities to various operating constraints.

**The Container Yard under construction
(involves reclamation, construction of RTGC tracks, pavement, etc.)**



**The Gate Complex under construction
with partially operating Terminal at the background**



HANDLING OF ICD CONTAINERS



CONTAINER STORAGE IN THE YARD



REEFER HANDLING



RAIL YARD OPERATION