



FUTURE PIPE INDUSTRIES

Complete Pipe System Solutions

PROJECT NAME

Jebel Ali "K" Station

LOCATION

Jebel Ali, Dubai, U.A.E.

COMPLETION DATE

March 2002

END USER

Dubai Electricity & Water Authority (DEWA)

CONTRACTOR - CONSULTANT

Belhasa Six Construct

PIPE SYSTEMS CONSULTING ENGINEERS

Dynaflow International Inc., U.A.E.

PIPE SYSTEMS SUPPLIER

Future Pipe Industries

PIPE SYSTEMS UTILITY

Sea Water Intake Lines

DESCRIPTION

Jebel Ali "K" Station is the latest in a line of desalination plants to provide desalination water to Dubai. The US\$587 Million project combined cycle power & desalination plant will have a capacity of 880 MW and 40 MGD.

SCOPE

Our scope entailed a single point responsibility for the complete requirements of the piping system including:

- Engineering, preparation of Isometrics, Bill of Materials & Spool Drawings.
- Surge & Stress Analysis, as well as Vibration Analysis
- Manufacture of pipes & fittings.
- Spool Fabrication
- Packing and delivery
- Supply of accessories such as Nuts, Bolts and Gaskets
- On-Site Supervision
- Documentation

PIPE SYSTEMS

Sea Water Intake Lines (DN 2000), chlorinating Lines (DN 250), manholes Sections, Intake Risers, and 2.5 KM of GRP Pipes (DN 2000, Stiffness 2500 & 10000 N/m²) for gravity application. The system was complemented with a wide range of accessories, fittings and joining techniques.

ADVANTAGES / SPECIAL ATTRIBUTES

The proximity of the location of our manufacturing plant, as well as our track record of success with the client and their consultant were advantageous to our position for winning this contract. However, the key factor remained the quality of our products, the efficiency of our logistics, as well as our expert engineering support, all of which came into play to ensure the success of this project. The chlorination line (DN 250mm GRV) was successfully pressure tested under sea water.

