

## Case history

<b>Industry</b>	Power
<b>Project</b>	Tanir Bavi Power Project
<b>Location</b>	Mangalore, Karnataka
<b>Completion date</b>	March 2001
<b>Consultant</b>	H R Wallingford, U K
<b>Architect</b>	
<b>Contractor</b>	Afcons Infrastructure Ltd
<b>Products</b>	Conplast CN - 75 KL Conplast SP430A2 - 30 KL & Conbextra GP2, Nitoseal UW, Lokset S, Nitobond SBR, Renderoc S2 & Concure WB



### Project description & Customer requirement

Tanir Bavi Power Project, is a Barge Mounted Naptha based Power project, promoted by G M R Vasavi group. The total generation capacity is 220MW.

The total cost of the project is Rs.13000 millions.

Total value of civil works - Rs. 6000 millions

Total value of construction chemicals sold -

Rs. 4 millions

The entire water requirement for the power plant is met by carrying seawater from a distance of about 3 KM to the plant. The discharged water also travels equal distance.

Since the sea water contains a high concentration of chlorides, the intake structure and the pipelines had to be protected from chloride attack which could otherwise shorten the life of the project.

The UK consultant specification for corrosion inhibiting admixture is as follows:

Corrosion inhibitors shall be aqueous solutions of Calcium Nitrite (30%  $\pm$  2%) with a residual Calcium Nitrate up to a maximum of 3%. Corrosion Inhibitor shall contain a Hydroxycarboxylic acid salt retarder to offset the

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