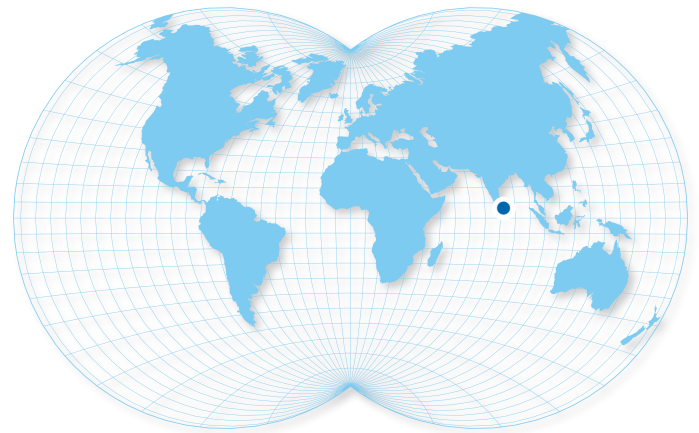


JAMNAGAR, INDIA:

Bina Refinery (BORL 1) CALM



Scope of Work

SOFEC will designed, supplied and installed a Catenary Anchor Leg Mooring (CALM) system for the Bharat Oman Refinery project in the Bina Refinery field, on Indias northwest coast.

Design Environmental Criteria

Operational condition:	
Significant Wave Height:	3.1m (10.2ft)
Wind Velocity:	19.44 m/s (37.7 knots)
Surface Current:	1.2m/s (2.3knots)

General Description

Client Name:	EIL/Bharat Oman Refinery
Contract Award:	September 2007
Installation Date:	August 2009
Application:	Crude Oil Import

Project Specifications

Water Depth:	35m/115(ft)
Tanker Size:	320,000 dwt
Dimension:	12.5mØ x 5.3m
Floating Hose:	2 x 24-in.Ø
Mooring Hawser:	Single leg 14-in. NWBS 271mt
Anchor Leg System:	6 x 95mm Grade RQ3 studless
Anchor System:	Piles