

# Panna Field Development Project

## PROJECT DETAILS:

Location:	Arabian Sea, India
Contract Value:	A\$175 million (2004)
Contract period:	November 2004 - March 2007
Safety Statistics:	Manhours: 1,195,987 LTIFR: 3.34



## CLIENT: British Gas - BG Exploration and Production Limited

### Scope of Work:

Clough has undertaken a major contract for BG Exploration and Production India Limited to develop three new platforms, upgrade three existing platforms and associated in-field pipelines in the Panna, Mukta and Tapti fields, off the west coast of India.

The project, which was performed on an EPIC basis, was awarded by British Gas in November 2004. The workscope included project management, detailed engineering and design, procurement, fabrication, transportation, installation, pre-commissioning and commissioning assistance of the following:

- Three 4-legged jackets and topside platforms (PH, PJ and STD) in water depths ranging from 23-52 metres.
- Four infield pipelines and associated risers ranging from 4-18 inches diameter for a route length of approximately 30 kilometres.
- Modifications to three existing platforms (PPA, PB and TPP).

Detailed engineering was performed in Bangalore, India. The manufacture of wellhead platforms was undertaken in two locations, with fabrication of the jackets in Abu Dhabi and fabrication of the topsides in Dubai. Installation engineering activities were carried out at Clough's Perth office, in Western Australia and site works commenced in December 2005. Installation of the wellhead platforms was performed by a charter vessel while platform modifications, rigid pipelay and tie-ins were undertaken utilising Clough's in-house derrick laybarge, *Java Constructor*.