

## Shore Ends Installation

2001

### i2i CHENNAÏ / ASN ( fibre-optic cable )

The purpose of this operation was to lay and bury the Chennai shore end of the i2i Fibre Optic Submarine Cable System linking Tuas / Singapore and Chennai (Madras) / India.

The spread used for this work was a shallow draft support vessel fitted with a four point mooring system (MV ORIENT EXPLORER) fitted with a 25 t A-frame, cable storage tank, a linear cable engine and with the following characteristics :

- Shallow draft support vessel, less than 4.40 m draft fully loaded.
- 4 mooring point system to move on anchors and lay a total length of 8 km of fibre optic cable between 6.00 m and 23.00 m of water depth.

In addition to MV ORIENT EXPLORER, two vessels has been chartered :

- Towing tug GURPUR
- Anchor handling vessel PUANCH

The following burial spreads were mobilised :

- ESV 07, vibrating plough to bury at 1.20 m in hard soil conditions
- TJV 05, jetting sledges used as a back up of the vibrating plough -2.00 m burial depth in soil conditions.
- Shallow burial spread including rubber boat, jetting pump and water hoses to bury the cable fitted with articulated pipes between the LWM and the 5.00 m water depth contour, by divers.



CHARACTERISTICS OF THE SHORE END

Location	Cable length	Burial length	Burial depth	Water depth	Protection Articulated pipes
Chennai	8 km	8 km	0.8 m	23 m	From BMH to 5 m water depth

### Submarine Cable Installation

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