



PROJECT TITLE

Mumbai High North Process Platform and Living Quarters.

DATE

November 2010/2011.

BACKGROUND

KTL Offshore were selected to supply the heavy lift package as part of a US\$ 618mn contract with ONGC (India) to develop a large process platform designed for the B-193 cluster development taking place in the Arabian Sea on the continent shelf of Western India.

The project specification comprised of installing 4 new platforms, 4 inter-connecting bridges and 3 flare towers. Additionally to include modification of MNW platform, the installation of OSV mooring buoy and other works.

MUMBAI HIGH NORTH PROCESS PLATFORM AND LIVING QUARTERS PROJECT (India)



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ITEMS

Mumbai High North (MHN) Field Development

The following 4 jackets and associated components were installed under the Mumbai High North Process Platform and Living Quarters Project:

- **MNP Jacket:** 8 legged process platform jacket with 20 skirt piles;
- **MNF-1 and MNF-2:** 2 flare tripods with 3 main piles each.

MNP Jacket Lift (Upend & Levelling)

- 4 KimFlex Slings (Braided), 13.07" dia x 37m effective length, MBL 3500 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection.

MLQ Jacket Lift (Sidelift)

- 1 KimFlex Sling (Braided), 17.95" dia x 40.77m effective length, MBL 7222 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection;
- 1 KimFlex Sling (Braided), 17.95" dia x 40.88m effective length, MBL 7222 mt; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection;
- 1 KimFlex Sling (Braided), 17.95" dia x 55.88m effective length, MBL 7222 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection;
- 1 KimFlex Sling (Braided) 17.95" dia x 55.88m effective length, MBL 7222 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection.

MLQ Jacket Lift (Upend & Levelling)

- 4 KimFlex Slings (Braided), 8.98" dia x 31.20m effective length, MBL 1764 MT, construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 10ft parallel laid eyes with seizing for protection.

MNP Buoyancy(East & West)

- 4 KimFlex Slings (Braided), 13.07" dia x 39.81m effective length, MBL 3550 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 12ft parallel laid eyes with seizing for protection;
- 4 x 700 t Crosby G2160 Wide Body Shackles.

MNF1 Jacket (Sidelift)

- 2 KimFlex Slings (Braided), 9.40" dia x 47m effective length, MBL 1973 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 10ft parallel laid eyes with seizing for protection;
- 2 Wire Rope Slings, 4.50" dia x 63.57m effective length, MBL 903; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 10ft parallel laid eyes with seizing for protection.



MNF1 Jacket (Upend)

- 2 Wire Rope Slings, 5" dia x 41.32m effective length, MBL 1009 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 7ft parallel laid eyes with seizing for protection;
- 2 Wire Rope Slings, 5" dia x 41.2M effective length, MBL 1009 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 7ft parallel laid eyes with seizing for protection.

MNF1 Deck (Lift)

- 2 Wire Rope Slings, 2.6" dia x 11.9m effective length, MBL 280 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 5ft parallel laid eyes with seizing for protection;
- 2 Wire Rope Slings, 1.8" dia x 12.51m effective length, MBL 140 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 5ft parallel laid eyes with seizing for protection.

MNF2 Jacket (Sidelift)

- 2 KimFlex Cable Laid Slings, 7.8" x 47m effective length, MBL 1960 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 10ft parallel laid eyes with seizing for protection;
- 2 KimFlex Wire Rope Slings, 4.8" dia x 63.57m effective length, MBL 840 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 10ft parallel laid eyes with seizing for protection.

MNF2 Jacket (Upend)

- 2 KimFlex Wire Rope Slings, 5" dia x 40.80m effective length, MBL 1000 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 7ft parallel laid eyes with seizing for protection;
- 2 KimFlex Wire Rope Slings, 5" dia x 41.31m effective length, MBL 1000 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 7ft parallel laid eyes with seizing for protection.

MNF2 Deck (Lift)

- 2 KimFlex Wire Rope Slings, 2.9" dia x 12.19m effective length, MBL 340 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 5ft parallel laid eyes with seizing for protection;
- 2 KimFlex Wire Rope Slings, 2" dia x 12.86m effective length, MBL 170 MT; construction: 9 x (6 x 36 + IWRC) Galvanised c/w each end 5ft parallel laid eyes with seizing for protection.

