

KINOYA Sea Outfall/ Suva - Fiji

Project description

FRANK has contributed to the realisation of a two-kilometre marine outfall (*Picture 1 and 2*) for the current Kinoya Wastewater Treatment Plant in Suva/ Fiji.



The project was selected in view of its benefits in terms of the environment, its contribution to the future development of the Suva region and the protection of public health. One of the main goals of this project was to ensure that future discharges were completely sustainable with little or no effect on the bay ecosystems.



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The outfall has taken five years to eventually reach the construction stage, after a series of studies on construction options were conducted at the EU and PWD. One of the options explored included a tunnel, however, this option was subsequently discounted.

The pipeline is mostly laid beneath the seabed and is 1.4 metres in diameter and extends two kilometres from the Kinoya shoreline.

Scope of supply

- 2.000 m PE80 OD 1400 x 53,5 mm SDR 26 pipe (*Picture 3*)
- Galvanized steel flanges for OD 710 1400 mm pipe
- Gaskets and special sealings
- Elongated stub ends for OD 710 1400 mm pipe
- Segmented bends 30° OD 1400 x 53,5 mm SDR 26
- Excentric reducers OD 1400/1200 mm, 1200/1000 mm, 1000/900 mm, 900/800 mm, 800/710 mm, 710/630 mm
- Heat element butt welding equipment OD 1000 1400 mm
- Several components for the diffuser of the sea outfall



Services of FRANK

- ✓ Design of special components in PE
- ✓ Complete logistic from our different production sites in Europe to Fiji
- ✓ On site welding supervision
- ✓ Performance of special welding tests

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Time frame

Project has been prepared throughout 2002 and 2003. Production and final installation during 2004.

Partners

Welding and installation by company PPS/ New Zealand

Contact

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