

## Gateway Bridge Palm Jebel Ali, Dubai, UAE



**Client:** Sumitomo Mitsui  
Construction Co., Japan

**Date:** 2007-2008

**Services Rendered:**

- » Tender Design
- » Technical Specifications
- » Quantity Take-Off
- » 3D Drawings

Total bridge length is 450 m, including a 250 m long cable stayed structure (main bridge) and 200 m long approaches. The main bridge has a fully suspended deck, designed in two alternatives; one as a composite structure with steel girders and concrete deck, the other as an all prestressed concrete structure. The concrete pylons with steel pinnacles are skew and tilted, stabilized by back stays down to foundation level. The cross-section includes 4 traffic lanes in each direction and wide shoulders. Including sidewalks, barriers and railings the total width of the bridge is 46.7m. Bored piles with diameter 2.6 m carry the heavy loads down into rock.