SMEC Supports Irrigation and Water Development in Kenya

8 January 2016

SMEC has been awarded a contract with the Kenya Ministry of Water and Irrigation to provide design and construction supervision services on the Thwake Multipurpose Water Development Program (TMWDP), located on the Athi River 120 km south-east of Nairobi, Kenya.

Funded by the African Development Fund, the objective of this project is to increase water security by providing 680 million m³ of potable water storage for residential consumption, power generation, irrigation, drought and flood mitigation, and downstream conservation flow.

Project works will be completed over four phases, and will comprise the development of a 77 m high multipurpose concrete faced rockfill dam and associated structures, as well as catchment rehabilitation and protection activities.

SMEC’s services will include: design of the 1.5 km long embankment dam, powerhouse, substation and power transmission main; design of water supply and sewerage for two nearby rural growth centres; construction supervision during dam construction; and implementation of a Resettlement Action Plan.

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