



Project Data Sheet



Project Tarbela, Pakistan – Dammed Reservoir Dredging Options

Client Mott Macdonald – Pakistan (MMP)

Project Tarbela Dam on the Indus River in Pakistan is the largest earth filled dam in the world and second largest by structural volume. The dam was completed in 1974 which was designed to store water for irrigation, flood control and the generation of hydroelectric power. Since its completion, it is estimated that 7,800 million tonnes of sediment has accumulated in the area behind the dam resulting, in a loss of capacity.

ADB was asked to identify where dredging may add to the solution being investigated to minimise the risks associated with the reducing effectiveness of the reservoir.

Preliminary solutions were offered to the client that covered 4 scenarios portal protection, flushing tunnel installation, protection bund and delta ingress management. The report produced included the plant requirements, their estimated costs and likely implementation time scales.

Dates April 2013

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