

## BEHAVIOUR OF INGINIMITIYA EMBANKMENT DAM

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Reference is made to the design features of the Inginimitiya Embankment Dam which is the prominent component of the Inginimitiya Reservoir Project. The provisions in the design for seepage control in the foundation of the dam are discussed. Factors which led to the adoption of core trench to act as partial cut-off for the foundation seepage are highlighted.

When the reservoir was partially impounded in late 1983, bubbling was observed on the downstream of the embankment between chainages 71 and 75.

The performance of the Embankment Dam after the adoption of the proposed remedial measures is found to be satisfactory. This appears to prove the contention that the type of foundation material present in this reach of the dam coupled with the seepage forces created the bubbling on the downstream.