



CONSULTING ENGINEER REQUIRED

Pudimoe North balancing dam and pump house reconstruction project

CALL FOR PROFESSIONAL ENGINEERING SERVICES

VHWUA invites a professionally registered consulting engineer to prepare the technical design and tender documentation for a new balancing dam, revised canal inflow and pump-house connection, together with assessment and concept design of the existing underground pump house.

SCOPE OF APPOINTMENT

01

DESIGN BASIS REPORT

Confirm storage volume, operating levels, pivot demand, canal supply, pump duty, losses, reserves and future capacity.

02

HYDRAULIC MODELLING

Model the existing and proposed systems and determine required changes to pipes, valves, pumps and controls.

03

GEOTECHNICAL INVESTIGATION

Establish founding conditions, groundwater, soil behaviour, excavation, settlement, durability and drainage needs.

04

REGULATORY REQUIREMENTS

Determine the need and extent of environmental authorisation arising from the design basis.

05

ISSUED-FOR-TENDER DESIGNS

Complete tender-ready designs for the concrete reservoir, canal inlet and dam-to-pump-house connection; assess the existing pump house and develop a future reconstruction concept.

QUOTATION REQUIREMENT

Quote separately for Tasks 1-5.4 and include a total summary.

QUOTES CLOSE

30 SEPTEMBER 2026

Design must allow future pump-house reconstruction with minimal alteration to newly installed infrastructure, and must address the causes of flooding and structural instability.

ENQUIRIES AND QUOTES

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PUDIMOE NORTH, NORTH WEST

Full scope and requirements available in the detailed request document