


- Notes:
1. Fixed height weir at the end of the outfall channel to maintain a 'waterfall height' over the weir between Q100 and Q60. Weir will be created using stop logs with tight fit to the concrete structure.
 2. Stop log height will be sized so that the 'waterfall height' over the weir will be at least 100 mm in height at Q60 flow. Under the Q60 condition, approximately 1.0008m³/s of water will be flowing through the outfall channel after going through the turbine.
 3. As flow rates in the river decrease from Q60 to flow rates below Q77, the weir would impound the water flowing from the turbine to the set weir level therefore would always maintain the required 'waterfall height' as river level downstream of the weir decreases.
 4. The weir would be 5 metres wide (exact width would not affect the 'waterfall height' across it but will be optimised to minimise head losses in the hydro system).
 5. Nylon sheeting to be used on the wetted walls perpendicular to the weir to prevent elvers migrating up the channel. Stop logs to be tight fit to the concrete structure to prevent elvers getting past the weir through the gaps in the sides.
 6. Water levels between Q2 and Q27 at the outfall area are measured values on site. (Q30 to Q80 are estimated water levels).
 7. Outfall structure to be covered up to the outfall screen, then open for the rest of the channel to the weir to minimise screen blockage.

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