

ABSTRACT

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Ciawi Dam Construction Project (Cipayung), Bogor. Method of Implementation of Work and Calculation of The Volume of Casting of Upper Structure (Wall) Segment A1 of The Spillway ciawi-cipayung dam.

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(XIV+83+Attachments)

Ciawi Dam Development Project (Cipayung) is located at Jl Panatraco Cibogo II, Cipayung Datar village, Megamendung sub-district, Bogor Regency, West Java, Indonesia. This dam was built with the aim of controlling the cisadane river flood discharge. The construction area is 78.35 ha with an effective reservoir volume of $5.03 \times 10^6 \text{ m}^3$. The managing contactor on this project is PT. Brantas Abipraya-Sacna (KSO), while supervising consultant is PT. Yodya Karya (Persero) - PT. Indra Karya (Persero) Region II - PT. Indah Karya (Persero) (KSO). The type of contract on this project is a unit price with the most advanced type of repair based on progress. The value of the project construction contract amounted to Rp. 798,703,300,000, - and the supervision contact value amounted to Rp. 25,275,415,000,-. The implementation of this project is December 2, 2016 to May 30, 2021 and the maintenance period is 365 calendar days. The method of implementation is the most important thing in the process of consensual implementation. Spillway is a building that serves to flow the flow of dam reservoirs if the volume of the reservoir has exceeded the capacity of the reservoir. The volume of foundry needs of the A1 spillway building is 920.36 m^3 .

Keywords: Dam, Turap, Spillway, Implementation Method, Concrete Volume