

DESIGN OF FLOATING WATER INTAKE

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ABSTRACT

This project (Design of floating water intake) involves 2 main design works:-

- i. The design of pipeline profile, flow characteristic, fitting of pipe, quantities of water extracted from lake (based on assumption), and thrust force exerted on bend and power of pump required.
- ii. The design of support structure. For instance, access bridge, access bridge pontoon, articulate ramp, articulated ramp pontoon, pontoon bridge, mooring system, mooring pier and abutment.

Finally, the detail drawing of design is drawn and presented in the illustration page.