



ACHWA HYDROPOWER PROJECT III

TOPOGRAPHICAL SURVEY, BATHYMETRIC SURVEY AND GEOTECHNICAL INVESTIGATIONS FOR ACHWA HPP3 (8 MW) PROJECT IN UGANDA


PROJECT: TOPOGRAPHICAL SURVEY, BATHYMETRIC SURVEY AND GEOTECHNICAL INVESTIGATIONS FOR ACHWA HPP3 (8 MW) PROJECT
TYPE: HYDROPOWER AND HYDRAULICS
LOCATION: PADER DISTRICT, NORTHERN UGANDA
CLIENT: ARPE LIMITED
PERIOD: AUGUST - SEPTEMBER 2015



PROJECT OVERVIEW


Achwa Hydropower Project 3 is a run-off-the-river hydroelectricity project with an average flow of 65.5 cubic metres (2,310 cu ft) per second and a gross hydraulic head of about 12.5 metres (41 ft).

SCOPE OF WORK



Proess was contracted to carry out a Topographical Survey, Bathymetric Survey and Geotechnical Investigations, Test pits excavation (with Analysis) and establishment of temporary benchmarks of the Project.

SERVICES OFFERED

- Conducted bathymetric survey along with the river profile where the plant structures were proposed to be.
 - Used a well-calibrated RTK and a Total Station to pick precise coordinates for all proposed project structures.
 - Established 15 Test Pits of depth 3-5 metres along the selected project structures.
 - Conducted Geotechnical investigations.
 - Undertook laboratory tests of the soil from the test pits.
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