

Project Summary

Location:

District :Hese Awal Behsod
District Centre : Hese Awal Behsod
Centre Location
North: 34° 29' 9.52''
East : 18° 12' 8.29''
Height : 2983 meters from sea level

Water resources:

Helmand river, lowest flow is 2.5 meter cubic/sec

Area Accessibility : The project location is 13 km away from district centre and is accessible by Gardan Dewar road, however, the road is not asphalted,

Technical Description:

The river has a min discharge rate of 2.5m³/s and a max discharge rate is 9m³/s. The determined canal length is 450m and the available head is 15m. The penstock angel is 70 degrees and the intake coordinates are:

N: 34° 28' 9.48''
E: 068° 20.8' 38''
E: 3036m

Coordinates for Forebay:

N: 34° 28' 9.22''
E: 068° 20' 9.53''
E: 3034m

Coordinates for Powerhouse:

N: 34° 28' 7.40''
E: 068° 20' 6.74''
E: 3025m

Social-economic section

- Population : 108400
- Household Numbers: 14485
- No. Families : 15485

The location is comprises of 350 shops, 800 mosques, 70 schools, 40 offices, 15 governmental offices, 8 hospitals and clinics, and 14 animal clinics.

Qala-e-Saeed 275kW Hydropower Project in Hese Awal Behsod district, Wardak Province, Aghanistan

Project Name

Rural Electrification Concept
Wardak Province

Beneficiaries Numbers

108400

Cost Estimation

USA \$/ person
USA \$/ KWA

Technical Information

275 kW	Capacity
15 m	Height
2.5 m ³ /sec	Current

Beneficiaries Area:

Listed below villages will connected to accumulated system:
Chilam Jai, Jo Qol, Gardan Dewar, Meerbacha, Qabd Ghoi,
Tabar, and some other villages.

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