

## Project Summary

### Location:

**District:** Kuran wa Munjan  
**District Center:** Kuran wa Munjan (Pass Keron)  
 N: 37 36 01 428  
 E: 070 47 638  
 Elevation: 2,503 masl

**Supply Area:** Pass Keron

### Water Source:

Dare Sakhe River; minimum flow > 4 m<sup>3</sup>/s

**Accessibility:** via off road throughout the year; distance to Faizabad: 6 hours driving by corolla car

### Technical Description:

The run-off the river project comprises of a 25 m wide weir of 1 m height. The water is conveyed via a 2.750 km long headrace canal to the forebay. With a gross head of 64 m and a nominal discharge of 3m<sup>3</sup>/s the capacity is about 0.5 to 1 MW.

The power is transmitted via a 4 km long 20 kV transmission line and distributed via a 0.4 kV network. Houses are connected via service cable and equipped with electronic meter and RCBOs.

Possible connection of the district center would require a 4 km long transmission line.

### Socio-Economy

- Number of population: 15,850
- Number of households: 2,980 (5.3 persons/household)
- Number of houses: 1,242 (2.3 households per house)

The Bazaar is located in the center of district and comprises of 150 shops, 50 Mosques, 18 schools, 2 offices, 9 government buildings, 5 health facilities (hospital and clinic), 1 veterinary clinics, and a number of workshops. Existing mining activities with 150 houses for mine workers will be most probably extended during the next years.

### Area Supplied

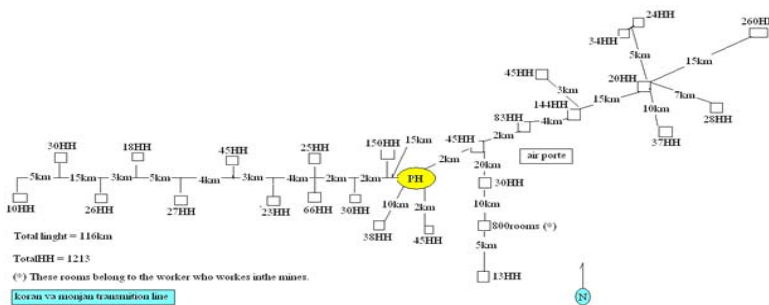
The following villages/hamlets will be connected to the supply system: Robate paskeran, Paskeron, Sakowao, Robot, Eskazer, Maydane lajward, Perawara, Lajwar shoe, Sharon, Yavee

### Environmental Aspects

The Darae Sakhe river is perennial. A fish pass is required to allow fish migration.

The project will have no negative impact to houses, land and irrigation.

### Principal Lay-Out



## Afghanistan

## Kuran wa Munjan

## Hydropower Project

### Site Reconnaissance

### Project Name

Rural Electrification Concept  
 Badakhshan Province

### Number of people supplied

15848 plus Bazaar

### Estimated Costs

9.0 mill US\$; 6,000 US\$/kW; 568 US\$/person

### Technical Details

<b>Turbine capacity</b>	1,500 kW
<b>Rated head</b>	64m
<b>Rated flow</b>	4m <sup>3</sup> /s
<b>Turbine type</b>	Francis
<b>Planning and construction time</b>	2 years



Survey implemented by:



Department of Water Management

For the Energy Working Group  
 under the PDC in Badakhshan

November 2009



**Legends**

- Load Centres
- Power House
- ⇩ Intake
- Transmission line

Scale: As Shown

Renewable Energy Supply for Rural Areas (ESRA)			
Rural Electrification Concept, Badakhshan Province			
Koron vs Monjon Hydropower Project	Sheet	Page	Drawing no.
Google Image of the Project Area Aerial View	INTEGRATION Government - client		DRWG