

Khayarmara Water Supply & Sanitation Project

Bardibas, Mahottari, Nepal

Presented By

Rotary Club Of Dhulikhel
District 3292 Nepal-Bhutan



Village Profile

- **Village Name: Khayarmara**
- Address: Bardibas municipality ward no. - 11, Mahottari, Nepal
- Households :201
- Population :1809
- Male population :887
- Female population :922
- Literacy Rate : 46.76%
- Occupation :80% people involved in Agriculture
- Ethnicity : Mix castes



Need Assessment Details

- The Khayarmara village are placed behind the river bed.
- Khayarmara are Placed where forest Ended at South and hill start at North
- River bed are very down from village so Gravity flow can be possible to carry water from source is only 3km far.
- The Source is 30m height from proposed Reservior Tank.
- Collected stored water will easy to reach ever Houses door.
- Gravity can be used as an energy Source for transporting water by taking advantage of differences in elevation to move water.
- No energy is required to operate the system, No pump and Electricity is required. Economical for long terms use.



Top view of Google Earth Photo of Khayarmara Village



Villagers are collecting impure water due to lack of water resources



Villagers drink water from river , small well and some natural



Villagers have to go far away to collect water and the roads are also not in the good condition this may risk their life.



Every year many villagers suffer from water borne disease due to consuming unsafe water



Majority time of women, men and old people spend time for bringing the water to the home



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