

PAF - Monitoring Report
On Project
“Ghatte Bijuli Goun Jilimili”
Awarded by Nepal Development Market Place,2008

Background:

Ghatte Bijuli- Goun Jilimili (Converting *Pani Ghatta* for electrification) had been awarded in the Nepal development Market Place ,2008 jointly organized by World Bank and PAF, Nepal. The idea of project is to accomplished 3 K.W low-speed coupled axial-Flux permanent magnet alternators to generate electricity for village electrification as an added end-use to existing short-shaft I WM. The project target to installed this system into 10 water mills(*pani-ghatta*) at different three (Kavre, Nuwakot and Dhading) districts of Nepal. Furthermore the project has taken the approach and set the mechanism to make it financial sustainable which can be replicable in other possible areas also. The agreement is effective from July,02, 2008 and should be completed by July,01,2009.

Monitoring by PAF:

A following six members team jointly monitored and observed one of project sites in kavre district on 7th , July,09. The site was selected and installed for the demonstration purpose also.

- Raj Babu Shrestha- Executive Director, PAF
- Ram Prasad Dhakal, Chief of Program Coordination and Communication Division, PAF
- Nirmal Pant, Coordinating Portfolio Manager, PAF
- Om Prasad Poudel, Coordinating Portfolio Manager, PAF
- Sumita Malla, Coordinating Portfolio Manager, PAF
- Dr. Ramesh Kumar Maskey, Project Team Leader, RETSC

General observation:

The visited site was one and half hour drive from *kathmandu* and around 20 min. drive from *Panauti* Municipality city at Kavre district. The settlement named *Kusadevi* was mostly inhabitants by *Newars* community.. It was observed in the field that the installation of pilot project for demonstration and testing of the reduced version of 1 KW has been successfully completed. There are 13 household receiving 30 W/H.H and other households has also shown keen interest for electricity. The team also talked with the *ghatta* owner as well as beneficiaries household . At the day time the water mill is use for grinding purposes while during the night it works to generate the electricity.

Impression:

The team impressed with the successful installation and performance of the unit . The ghatta owner also shows well aware about the technicalities of the unit and can easily handle. During the discussion it was known that there were some misunderstanding between the beneficiaries regarding to the collection of fund for operation and maintenance and pay back of 50% of total unit installation cost by the user's committee to the Ghatta Association . Furthermore due to lack of items like power check and meter at unit , overuse of electricity by a house hold has been practicing cause failure in power supply system at any time . These shows a ownership of the project was found less within beneficiaries.

Some Recommendation:

Having quick monitoring visit some following actions was recommended to the project team together with the Users' Committee for their immediate action and better improvement.

- mobilized the beneficiaries and User's Committee and orient the process and mechanism and clearly finalized the procedures and policy for Operation and Maintenance.
- If possible installed the MCV for power check in each household for equity distribution of the power
- Select only that sites which are highly demanded by the beneficiaries and there is even no access of power from National Grid .