

## SUCCESS STORY ON PROTECTION OF WATER SOURCES AT THINGDAWL VLLAGE UNDER DMU,KOLASIB, FOCUS

### PROFILE:

**Name of Activity:** Protection of water source (Construction of check dam)

**Name of beneficiary:** Lentupui CCA FIG

**Name of FIG Commodity:** COMMUNITY CONSERVATION AREA FIG

**Village:** Thingdawl

**District:** Kolasib

**Source of Fund:** FOCUS project (through IFAD)

**Amount:** Rs. 141000.00(Combination of 2 unit)

**BACKGROUND:** The village face problem on scarcity of water for both home consumption and irrigation for crops during the very dry spell. The Government of Mizoram under PHE department also supply water mainly for home consumption but during the dry season the demand of water required by the people cannot meet due to less supply of water. During rainy season due to high intensity of rainfall, it results in low infiltration. The low infiltration rate results in less water source due to low recharge of water. This problem can be overcome by constructing water harvesting structure and protecting the water source for recharging water.

**IMPLEMENTATION:** Under Village Forest Conservation, construction of Check dam for protection of water sources was implemented by District Management Unit, Kolasib under FOCUS. The CCA FIG's proposed the requirement and select the site. The site was again verified by DMU staff and estimate has been prepared. The construction work was done by the FIG's and during construction monitoring was done by DMU Staff at regular interval.



PICTURE1: DURING CONSTRUCTION



PICTURE2: AFTER CONSTRUCTION

**IMPACT:** The construction of check dam has a positive impact which is mention below:

- It helps in preventing gully formation which result in reducing/controlling soil erosion and it also recharge ground water.
- It serves as Water harvesting structure like mini percolated ponds. The check dam act as water source for the villages especially the nearby locality i.e., Horeb locality, around 20 households (HH) who always face a problem during the dry season (December to March) and the water serve for home consumption( drinking, cooking, washing purpose).

- As fish are reared in the check dam by the CCA FIG's, it supplies the nutrient demand of the people.
- There are 5-6 farmers nearby the check dam who had Arecanut plantation/orchard and vegetables field. The demands of water required by the crops are provided by the check dam by using HDPE pipe for delivery system.

**Conclusion:** The construction of Check dam has been found successful as it meets the requirement of the villages which also result in protection of the environment.