

Sathakodu Watershed Project

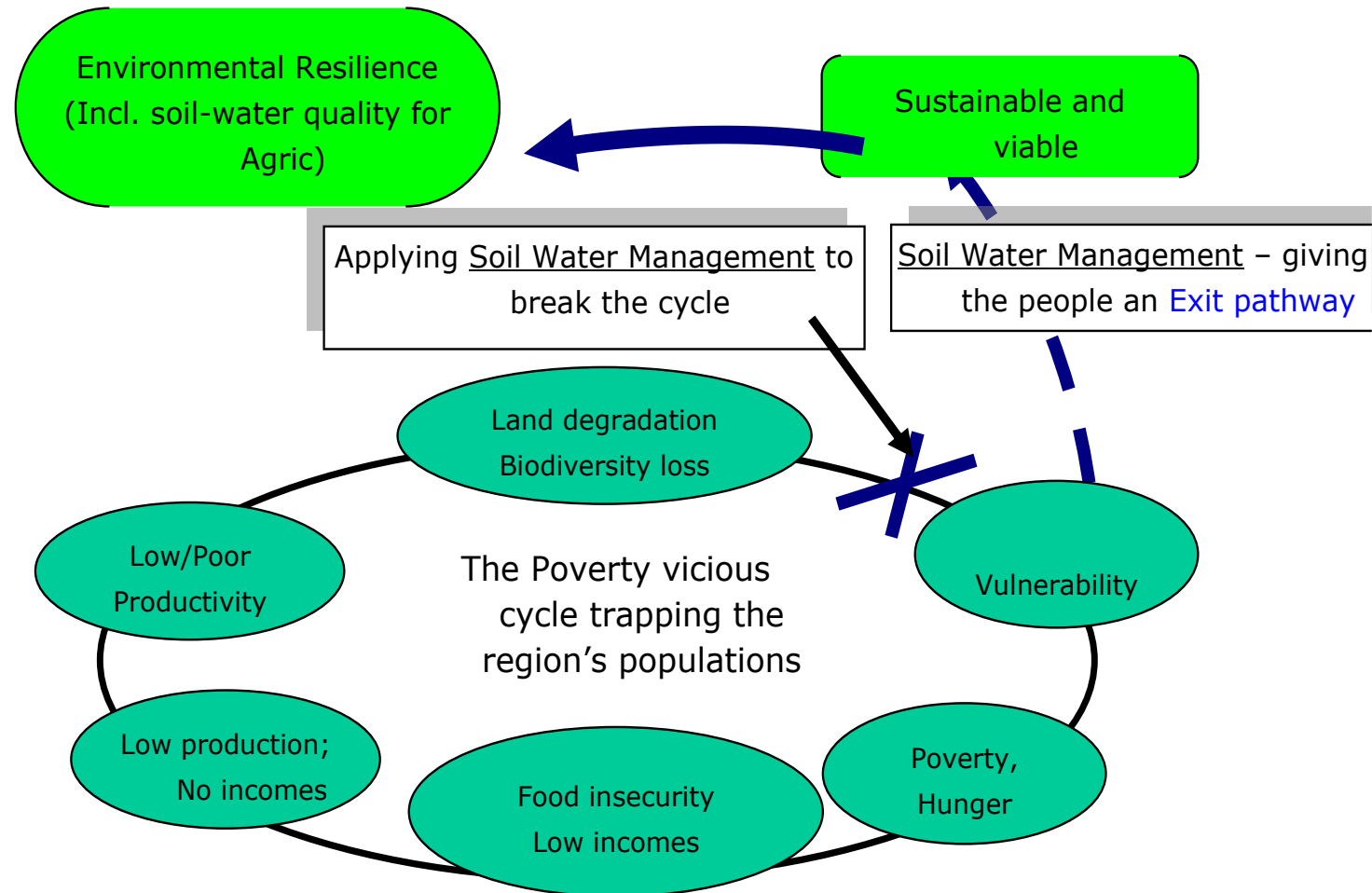
Village Background

- Situated at the foothills of Nallamala RF.
- Border village of both Prakasam and Palnadu districts.
- 528 families living in the village, out of which 187 belongs to SC and 213 BC.
- All the above farmers are having land at the foothills and they are sloped lands.

- As the lands are sloppy in nature, fertility soil on the top is getting washed away due to the velocity of runoff water during rains.
- Lack of knowledge among the villagers on soil and moisture conservation and its importance.
- Total village depending on ground water for their domestic and irrigation needs.
- Ground water table is deteriorating year by year as there is mismatched management recharge versus withdrawal of ground water.
- With all the above reasons, farming became uneconomical and people are migrating to another areas for their survival.

Project Components

1. introduction of environmental-friendly practices and improving the environmental sustainability of human activities.



Microlevel level plan preparation on:

- Watershed demarcation and codification.
- Watershed characterization.
- Watershed prioritization and development planning at field level.
- Site specific water harvesting structures.
- Micro-level planning for soil and water conservation.
- Wasteland reclamation planning.

Sensitization:

- ❖ Watershed committee formation and sensitization will play vital role in project success.
- ❖ Trainings to watershed committee and youth on watershed concept.
- ❖ Mass gathering and Sensitization through cultural camps on water and soil conservation and its importance.
- ❖ Participatory Rural Appraisal (PRA) Exercises.

Activities to be done to conserve soil and moisture

- **Stone Checks, Louse Boulder Structures, Rock Fill Dams and Farm Ponds will be constructed to check the velocity of runoff and to conserve soil and moisture in the area.**

- **Louse Boulder Structure:**



- **Stone Checks:**



- **Rock Fill Dams**



Farm Ponds:



- ❑ Gabion Dam, Check Dam and Percolation Tanks to be constructed to conserve rain water to augment groundwater table:

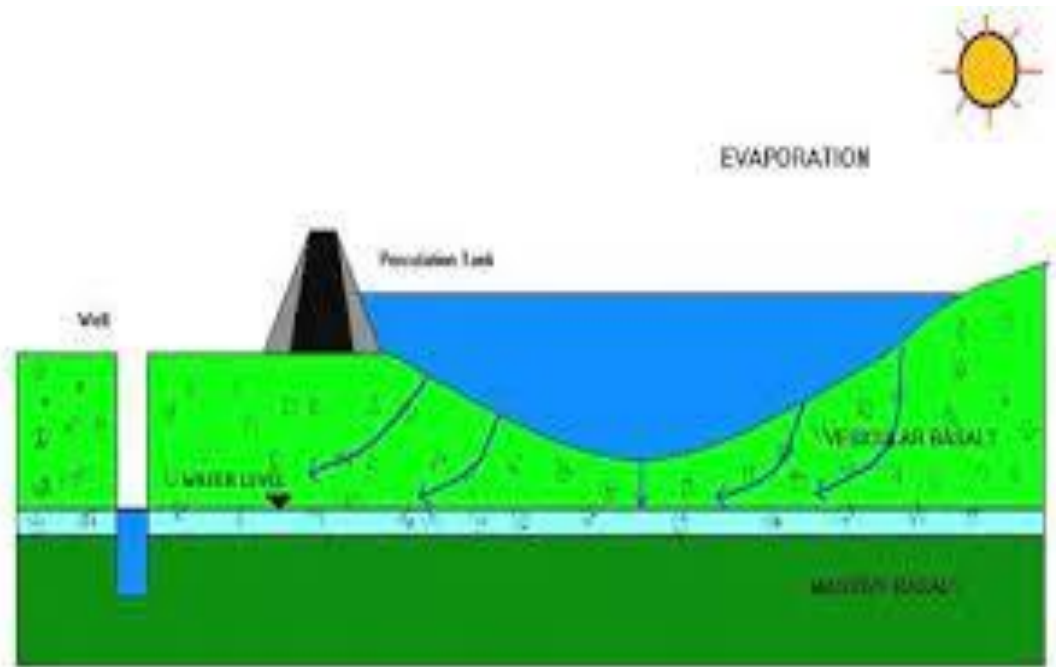
Gabion Dam



Check Dam



Percolation Tank:



Project Goals:

- Organise community and promote local leadership.
- Enhance their skills, knowledge and abilities to improve their confidence and thereby work for their betterment.
- Upgrade the socio-educational and economic situation and basic living conditions of families to enable them to make a sound and decent living and ultimately improve their status in the society;
- Create demand for education through environment building and community participation.
- Mobilise women to have equal rights and opportunities with men.
- Providing proper drainage facilities by constructing soil and moisture conservation structures and converting wastelands into cultivable lands.
- Augmenting the ground water levels.
- Maintain greenery in the project area.
- Migration controlled.