WATERSHED DEVELOPMENT PROJECT







WATERSHED DEVELOPMENT PROJECT	
Commenced on	**2012**
Duration	**Long Term (5 yrs)**
Implementing Agency	**Mineral Foundation of Goa (MFG)**
Why Watershed?	➲ **Improve ground water table** through watershed development approach ➲ Undertake **soil and water conservation** works through people's participation by organizing and building capacity at grass root level

WATERSHED DEVELOPMENT PROJECT AT BALI - ADNE BY GSL

1) About the Project.

Base line and need assessment surveys brought out shortage of water for drinking, agriculture and allied activities and an urgent need to improve ground water availability through watershed development approach. The project is undertaken in Villages Bali & Adne of Quepem taluka.

2) Aim :

To urgently improve ground water availability through watershed development approach in the perennial water deficient villages of Bali & Adne of Quepem taluka for the purpose of drinking, agriculture and allied activities.

3) Objectives :

Construction of catchment area of about 1200 hectares across two villages of Adne and Bali, benefitting 500 families. Grassroots capacity will be built upon and developed so that the soil and water conservation works can be executed through people's participation with the help of the implementing agency, thus also serving the dual purpose of providing villagers with a livelihood in their backyard.

4) The expected rise in ground water level will also result in 10% to 15% increase in cashew yield, diversification in agricultural activities including dairy, increase in biomass and natural resource conservation having a positive impact on organizational, technical and managerial skills of the people besides enhance level of earning.

5) Location & Duration

This Long Term project with duration of five years is undertaken in Villages Bali & Adne of Quepem taluka

6) Implementing Agency

Mineral Foundation of Goa (MFG)

7) State & Local Government Facilitators

Block Development Officer, Zonal Agriculture Officer, Range Forest Officer, Veterinary Officer, AE (WRD), AE (PWD).

Local administration & Village Panchayats in Adne and Bali villages

THE HIGHLIGHTS OF THE IMPLEMENTATION STRATEGY

VIS A VIS SUCCESS STORY

The Watershed Development project associated with environmental sustainability by recharging the groundwater table was initiated in September 2012. While the main activities of the project were to create the different assets for watershed development in the Bali and Adne villages of Quepem Taluka, several other allied activities have also been carried out. The project faced an initial hurdle as engaging the villagers in a new project in a new village was challenging.

The core activities of watershed development project are carried out by existing and new SHGs. In totality, there are 13 SHGs that are channelized in these villages for the implementation of the project. However, the direct beneficiaries of the project include small and marginal farmers and landless farmers. The project aims to reach out to the needy community. In broad understanding the direct and indirect beneficiaries, both will get the benefits under this project. The SHGs and community are trained by MFG through awareness sessions pertaining to natural resources conservation. For capacity building, the sessions are imparted in local language to make them understand the importance of it. The concept of water and soil conservation, watershed development and management was communicated to the villagers for the effectiveness of the project.

Over the four years of implementation, the **project has witnessed** creation of different kinds of watershed structures viz; Trenches, Gully Plugs, Check Dams and Sunken Ponds in both the villages. It has also introduced many allied activities like chili and mango cultivation, jackfruit chips making as well as other horticultural pursuits and vermi-compost.

PROJECT STATUS AS ON 31.03.2016 AGAINST DELIVERABLES (FY 2015-16)

FUND EARMARKED : Rs. 32.25 lacs

FUND SPENT : Rs. 21.46 lacs

DELIVERABLES	STATUS
Trenches - 10500 nos (Including Admin & Establishment Cost)	**Target achieved.** 14000 nos. completed.
Sunken Pond – 26 nos.	22 nos. Completed (Depends on land availability)
Live fencing – 3000 rmts	**Target achieved.**
Gully Plug - 125 nos.	**Target achieved**. 161 nos. completed
LBCD - 55 nos.	52 nos. completed (Depends on land availability)
Gabbion – 22 nos.	12 nos. Completed (Depends on land availability)
OTB - 1 no.	**Target achieved**

Watershed Project Milestones

- **Ground water table level has shown marginal increase.**
- **Active participation of community members.**
- **Renewed confidence amongst women due to increase in income level.**
- **Income generation from allied activities.**

For sustainability of the project corpus money is gathered by members of SHGs under Watershed Association with the aim to hand over the project to the community through capacity building of the project. The monthly meeting is organized by the SHGs for capacity building and discussing the action plans for the project.

For income generation activities the SHGs work in regular and efficient manner. They contribute 100 rupees a month which is deposited in the bank. The purpose of the SHGs is to encourage women for establishing small scale business which would help them in generating additional income. For better production of crops the SHGs are tied up with various government institutions such as GHDC (Goa Horticulture Development Corporation). The high quality seeds are provided to the farmers for better production and later the vegetables are sold to the horticulture department and the community receives handsome amount of money. Thereafter the money is invested in the SHGs for income generation activities. Through KCC (Kisan Credit Cards) the farmers can apply for agriculture loans to increase the productivity of the crops.

WATERSHED PROJECT SNIPPETS




















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Feedback

Community Perspective:

The community members have actively participated in all the work that has been assigned to them by MFG. The women have found a renewed confidence within themselves due to their economic independence and building of individual capacities. Some new members still have a poor understanding about the holistic objective of the project. But the old members have now realized the importance of the project as they mention that their wells now have water till the end of April or early May and that the cashew yields have improved. The allied activities for income generation introduced by MFG have also helped them in learning new trades with which they can support their families.

MFG Perspective:

MFG has an expertise in this area and they have implemented such projects in the adjacent villages that had benefitted the communities in water conservation and water management.

GSL Perspective:

The project is aimed towards environmental sustainability. However, GSL requires a more quantitative measurement of the benefits reaching the community.

Future Plan:

MFG plans to collaborate with different government departments to provide its SHG members training in several horticultural activities for allied income generation.