# PROJECT INFORMATION

## Sustainable natural resource conservation and livelihood improvement through integrated watershed management in Goa

### PROJECT OVERVIEW

| | |
|---|---|
| Funding Agency | PMKSY-WDC 2.0, Department of Land Resources, Ministry of Rural Development, Govt. of India |
| Total Outlay | ₹ 12.92 Cr |
| Duration | 5 years |
| Single / Multi-Institutional | Multi-Institutional |
| Lead Centre if Multi-Institutional | ICAR-CCARI, Goa |
| Cooperating Centre(s) | ICAR-NBSSLUP, Nagpur |
| Principal Investigator | Dr. Sujeet Desai |
| Co-Investigators | Dr. Gopal Mahajan, Dr. A.R. Uthappa, Dr. Paramesh V, Dr. Bappa Das, Dr. Shripad Bhat and Dr. Gokuldas P.P |

### RATIONALE

The fundamental shift in approach of watershed development needs to be reflected visibly in the program planning, institution building, implementation, budgeting and monitoring and evaluation. In this context, new watershed programme PMKSY-WDC 2.0 is envisaged. At macro-level, the vision of WDC-PMKSY2.0 projects is to accelerate the economic growth rate of agriculture in the less endowed rainfed areas of the country. The convergence to be promoted here is incorporating "Per Drop More Crop" component of PMKSY, with a view to enhance water use efficiency of the water sources created in the project area.

### RESEARCH GAPS

Climate change issues and its impacts witnessed in the recent past have adversely impacted ecology in general and agricultural production systems in particular, posing grave challenges to sustainable livelihoods, especially for vast majority of people in India who are directly or indirectly dependent on agriculture. A considerable percentage of India's agricultural production system is rainfed. Over the

last 25 years of engagement with watershed development approach, the country now possesses a treasure of diverse learning and improved management capacity.

## OBJECTIVES

1. To improve productive potential of rainfed/degraded land through integrated watershed management.
2. To strengthen community based local institutions for promotion of livelihoods & watershed sustainability.
3. To improve the efficiency of watershed projects through cross learning and incentive mechanism.

## ACTIVITIES

Entry point activity, DPR preparation, Institution & capacity building, Natural resource management, Production system, Natural resource management & Governance, Livelihood activities for asset less persons, Micro Enterprise & Business Development & Consolidation and Withdrawal.

## EXPERIMENTAL DETAILS

| | |
|---|---|
| Treatment: | NA |
| Fertilizer Doses | NA |
| Variety | NA |
| Replications: | NA |
| Observations: | NA |
| GPS Coordinates: | NA |

## EXPECTED OUTPUT

1. Conservation of soil, water and other natural resources with enhancement of soil health
2. Increased agricultural production and enhanced cropping intensity with crop diversification.

## EXPECTED OUTCOME

1. Improved socio-economic status and livelihood of resource poor farmers.

## FIELD INFORMATION

| | |
|---|---|
| When the field was developed: | NA |
| What are crops being cultivated season-wise: | NA |
| Soil type: | Laterite Soil |

| | |
|---|---|
| Soil pH, EC, OC: | NA |
| Soil depth: | NA |
| Soil NPK and Micronutrient status: | NA |
| Common pests and diseases: | NA |