

# **Success Story**

## **Rashtriya Krishi Vikas Yojna (RKVY)**

**Year : 2015-16**

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**Gujarat State Land Development Corporation Ltd.**

**(Government Of Gujarat under taking)**

**"Balram Bhavan", Sector - 10-A**

**Gandhinagar - 382 010.**

**Email ID – [jointdirectorgslc@gmail.com](mailto:jointdirectorgslc@gmail.com)**

**Natural Resource**

**Management**

**In**

**Tribal Districts**

**Of**

**Gujarat State**

## **Name of Department:**

**Gujarat State Land Development Corporation Ltd., Gandhinagar**

The Success story is categorized under agriculture in the area of soil & water conservation.

There is one saying that,

***"What you see depends on how view the world,***

***to most people this is just dirt,***

***but to a farmer soil is potential."***

## **Problem of the Area :**

- Farmers of Tribal areas are poor & backward.
- To convert the sloppy farm land into terrace land and to make it suitable for cultivation.
- To harvest maximum rainwater and to store as well as to Percolate it in subsoil strata.
- Improvement of production environment and restoration of ecological balance through scientific management of land & water.
- To encourage live stock management.
- To provide livelihood support to land less families.

- Increase the production of Food and Non food crops and Fodder.
- Encourage the adoption of value addition crops and scientific dry farming techniques instead of the traditional farming system.

This is a special project for sustainable agricultural production from interior backward Tribal Area and sloppy rainfed area and bringing more area under two seasonal cultivation. **Total 11400.00 ha** area in Tribal districts of Gujarat State has been selected under this project considering the need of development and demand of public representatives of villages.

This project will be implemented by the GSLDC (State Govt. organization) within a period of One year at an outlay of **Rs.2280.00 lakhs.** The project will be implemented by field functionaries of GSLDC working in Valsad, Navsari, Chhota-Udepur, Bharuch, Arravalli, Dang & Tapi districts. All farmers & village panchayats of the Tribal district villages are covered under natural resources management projects.

## **Objective / Aims of the project:**

The project was started with the objective of conservation, development & sustainable management of natural resources including their use, enhancement of agricultural productivity & production in a sustainable manner.

- To convert the sloppy farmland in to terrace land and to make it suitable for cultivation.
- To harvest maximum rain water and to store as well as to percolate it in subsoil strata.
- Improvement of production environment and restoration of ecological balance through scientific management of land & water.
- To encourage live stock management.
- To provide livelihood support to land less families.
- Increase the production of Food and Non food crops and Fodder.
- Encourage the adoption of value addition crops and scientific dry farming techniques instead of the traditional farming system.

## **Key Result:**

All the farmers and village panchayats of covered under tribal area project are benefited in form of cultivation, productivity of land and agriculture production is also increased.

**Total 4473.97 areas was treated under this project. 1092 nos. of farm ponds, 39 nos. of Sim talavadi and 555 nos. of water harvesting structure are made up under this project. So that with Impounding / Recharging 12.66 lakh CMT, after useful for supplementary Irrigation for 5066.28 Ha. of Land.**

Rain water which earlier goes as waste and causes havoc in the form of flash floods is controlled through the water harvesting Structure (WHS).

WHS have great impact on ground water recharge, thus increasing the moisture regime in catchments area & improving the vegetative cover.

After implementation of the project, rainy water conserved in the water bodies like check dam, farm pond etc., now this water is available in the structure throughout the year. Not only nearby farmers but other farmers also benefited from this water. Farmers make use of irrigation water in their field. They take cash crops as well as Rabi crops in their farm. Production of the crops is increased.

- Backward and poor tribal farmers and labourers can earn their bread at their native.
- Migration for want of wage will be checked and living standard of the inhabitant of this area will be improved.
- Agriculture and fodder production will be increased.

The success of this project easily can be seen on the face of the people.

## **Impact:**

- Tillage and cultivation will be more easy and profitable.
- Kharif crop failure will be checked due to life saving irrigation facility created by different rain water harvesting and storage structures.
- Rabi crops can be sown due to increased moisture holding capacity of soil and recharge of ground water table in the wells.
- Cash crops like ginger, turmeric, challis, vegetables and paddy will be introduced.
- Migration for want of employment of laboures families will be checked.
- Annual income of inhabitants of the area will be increased.
- Earlier village people migrate to far way places to earn their livelihood. Now with the implementation of this project they have started cultivating all crops & raised their standard of living.

## Photographs:

Project : Natural Recourse Management In Tribal District of Gujarat State



ACTIVITY : SIM TALAVADI

## Water Harvesting Structure





## **Checklist:**

<b>No.</b>	<b>Question to Consider</b>	<b>Yes</b>	<b>No</b>
1	Is the story interesting to the target audience of the project / activity report?	Yes	--
2	Does the story explain what new insights the project brings? What is the main lesson learned from this story? Does the story describe a key insight on what works and what doesn't and something that future project could build on	Yes	--
3	Does the story describe the outcomes the project produced and the people who are benefiting? What changes - in skills, knowledge, attitude, practice, or policy - has the project brought, and who is benefiting from these changes?	Yes	--
4	Does the story make a compelling point that people will remember? Does the story show how the project makes a difference to improving livelihoods and lessening poverty?	Yes	--
5	Does the story provide an interesting fact that people will remember? For example, how much yields increased, how many hectares of land could become more productive from this innovation or technology?	--	No
6	Does the story explain what kind of impact this innovation or technology could have if scaled up?	Yes	--
7	Does the story show which partners contributed and how?	--	No
8	Does the story include quotes from Stakeholders or beneficiaries?	--	No
9	Have I provided link to other media (journal articles, website news, newsletters, blogs, annual report of other Programme / project) that also feature this story?	--	No
10	Have I provided the contact details of people who can provide more information?	Yes	--

**Contact Person :**

**K. C. Parmar (Joint Director – P.E.-2)**

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**(Government Of Gujarat under taking)**

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**Reclamation  
Of  
Salinity Ingress  
In  
Coastal area  
Of  
Gujarat State**

## **Name of Department:**

**Gujarat State Land Development Corporation Ltd., Gandhinagar**

The Success story is categorized under agriculture in the area of soil & water conservation.

***The soil is the great connector of lives  
the source and destination of all.  
It is the healer and restorer,  
without proper care for it  
we can have no life.***

## **Problem of the Area:**

The major problems in coastal area are –

- Land is highly saline.
- Land subjects to the influence of tidal waves and periodical inundation by tidal water.
- Shallow water table enriched with salts contributes to increase soil salinity during winter and summer months.
- Heavy rainfall resulting in waterlogged condition during kharif season
- Poor surface and sub-surface drainage condition
- Lack of good quality of irrigation water and acute salinity during rabi season
- Limited introduction of high investment technology.

The Story is about farmers who are facing the problems of salinity ingress in sea area of coastal zone of Gujarat State. Farmers of area like Bharuch, Bhavnagar, Morbi, Surendranagar, Devbhumi Dwarka etc., facing problems of high salinity in soil. 15 Nos. of coastal districts has been selected for reclamation, considering the severity of salinity problem & demand of farmers as well as of villagers of coastal zone. Considering sizable area affected by coastal salinity and need for its checking this special project has been proposed for the year 2015-16 .

This is a special project for reclamation of problematic area and bringing it under cultivation. **Total 12100.00 ha** area of **15 nos.** of coastal districts has been selected for reclamation, considering the severity of problem and demand of farmers as well as of villagers for this project Village community participated in this project.

**Main components carried out in the project are:**

- (1) Salinity Prevention Structures
- (2) Recharging Structure and
- (3) Soil Management aspect.

Ingress of sea water in arable and non arable land in coastal area is checked by salinity prevention structure and Recharging structure. The salinity affected land will be reclaimed by soil management aspect.

## **Objective / Aims of the project:**

The project was started with the objectives as below:

- To check the seawater intrusion and ingress by salinity ingress prevention Structures.
- To increase the rainwater recharge potential of the area by constructing recharge Structures and field bunding.
- To improve the condition of soils by proper soil salinity management techniques.
- To improve the ground water quality of the area.
- To increase the irrigation potential of the area.
- To increase the productivity of agricultural crops in the area.
- Making rehabilitation of the highly saline waste land.
- To improve the socio – economic condition of the population of the project area by casual employment to laborers and checking their migration and increasing use of natural resources.

## **Key Result:**

All the farmers and village panchayats covered under costal salinity project are benefited due to prevention of salinity affected barren land ingress project under cultivation. Productivity of land as well as agriculture production is also increased.

**Total 4437 ha. Area was treated under this project. 90 nos. of farm ponds, 132 nos. of Sim talawadi, 41 nos. of Water Harvesting Structures, 111002 RMT Reclamation bund, 27 nos. of Percolation Tanks & 6 nos. of Village ponds are made up. So that with Impounding / Recharging 3.00 lakh CMT water useful for supplementary Irrigation for 1216.20 Ha. of Land.**



## **Impacts:**

- Salinity ingress in project area is reduced.
- Quality of Soil in project area is improved.
- Migration of villagers is checked.
- Additional area is come under Rabi crops.
- Area is come under cash crop like Cotton and Pulses from traditional crops like Jowar and Bajara.
- Annual income of farmers is increased.

The overall impact of Salinity project has been positive & significant.

There has been a remarked improvement in the project areas. Crop yields have risen. Availability of fodder has also increased leading to a rise in the yield of milk.

## Photographs:



Project : **Checking of Salinity Ingress in Coastal Area under RKVY**



**ACTIVITY : WATER HARVESTING STRUCTURE**

**VILLAGE : DRON  
TALUKA : UNA DIST. : JUNAGADH**

**Project : Salinity Ingress in coastal area**



**Reclamation Bund**

## Checklist:

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