

# **Success Story**

## **Rashtriya Krishi Vikas Yojna (RKVY) Year 2015-16**

**Gujarat State Land Development Corporation Ltd.**

**(Government Of Gujarat under taking )**

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

**Gandhinagar - 382 010.**

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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 categoried 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. Majority poor people lives in areas of saline soil.

# 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 is** (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. farm ponds, 132 nos. Sim talawadi, 41 nos. Water Harvesting Structures, 111002 RMT, Reclamation bund, 27 nos. of Percolation Tanks & 6 nos. 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 Jower 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 :



Salinity Control Bunding

Village : Bavaliyari, Taluka : Dhandhuka, Dist : Ahmedabad

**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 :

No.	Question to Consider	Yes	No
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 benefitting ? What changes - in skills, knowledge, attitude, practice, or policy - has the project brought, and who is benefitting 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	--

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