

Success Story

“Mechanisation in Agriculture” in Goa

1. Title : Mechanisation for better output of crop production

2. Category : Agriculture

3. Challenge:

Scarcity of skilled human resources, land resource remaining same overtime is hindrance for crop production.

Promoting farm mechanisation has become need of the hour by innovative machinery in public private partnership (P.P.P mode) bringing more private players with improved and cost effective farm machinery.

The Ministry of Agriculture has given a major thrust to farm mechanisation through various schemes which includes custom hiring facilities for agricultural machinery as one of its major components & the State Government has given impetus to the Scheme in a large way. Its focus is on increasing the reach of farm mechanisation to small and marginal farmers and to the regions where availability of farm power is low.

4. Initiative

In Goa due to scarcity of skilled labour, farm machinery is being used primarily for cultivation of Agricultural / Horticultural crops. In order to accelerate cultivation of crops, Government of Goa undertook Farm Mechanization under RKVY from 2008-09. Small and marginal farmers are provided with 50% custom hiring facilities by providing tractors to till their fields of paddy, pulse, groundnut and sugarcane. Farmers were contacted and motivated through method demonstration of various farm implements. Individual farmer is assisted with subsidy of Rs. 15000/- per hector and Rs 18000/- per hector for collective farming. A total of 9947 units have been assisted under RKVY from 2008-09 to 2016-17 by incurring an expenditure of Rs. 1666.89 lakhs.

5. Key result/interesting fact:

Mechanised Paddy transplanting is done over an area of 800 acres in 2016-2017 and 60 acres in 2015-16. It is observed that mechanised farming has increased productivity by 25 to 30% and resulted harvest at proper stage thereby reducing the cost of production as compared to the traditional cultivation practices.

6. Impact:

Some of the modern agricultural machineries have made large scale impact to the farmers by increasing overall efficiency ,resulted in reduced energy expenditure ,better management of inputs , improved Total factor Productivity(TFP).

7. Lessons learned

Mechanisation using precision & Quality farming equipments need to be made cost-efficient for maximum acceptance & specialised, skilled personnel are a critical factor in the overall success of Mechanisation.

Supporting Quotes of the beneficiaries.

1. Shri Prakash T. Bhomkar, Malar, Diwar, Tiswadi- North- Goa

õI had purchased the weed cutter machine for using in my own field. However, the demand from the neighbouring farmers inspired me to work as professional person. I am happy with the work & my livelihood has improved.



Prakash T. Bhomkar, Uskiwada, Malar, Diwar, Tiswadi, Goa

2. Shri Vishnu Mahadev Kambli, H.No. 523/4,Coprem wado, Thivim-North-Goa

To offset economical set back due to recession in mining sector , I focussed in farming activities & purchased a Power tiller assisted under R.K.V.Y by the department & became self dependent & also offer service to neighbouring farmers being remunerative.

3. Shri Umesh Krishna Naik, Betqui, Ponda- North – Goa

By taking up mechanization, lot of labour and time is saved in preparation of land, thus reduced cost of Paddy production by 25%. By owning two powertillers assisted under R.K.V.Y by the department, I earn an income of approximately Rs 30 to 45 thousands per month excluding other expenses by hiring services of tillers to fellow farmers.



Shri Umesh Krishna Naik r/o Bagwda Betqui Khandala

4. Group of farmers from Canacona; South – Goa

Shri Ramesh Bhisso Gaonkar unemployed youth from Gaondongrim Village.

õI learned to operate weed cutter and using it to clear weeds from my cashew cultivation and hire the machine in my village and neighbouring villages to clear weeds from cashew plantationö.



Shri.Govind Deu Gaonkar, sugarcane cultivator from Gaondongrim Village.

õI brought additional area under sugarcane cultivation after learning operation of Power tiller ö.

5. Shri Namdev Shivram Malik, Hassapur – Pernem – Goa

Using Power tiller I have started cultivation of various crops in my field such as Bhendi, Groundnut & earned handsome revenue which enabled to clear my loan towards machine cost I provide the machine on hire charges to the farmer in the village to cultivate their fallow land, which provided extra income.



Shri. Namdev S. Malik along with power tiller in his field

