

SUCCESS STORY UNDER RKVY

1. **Title :- Hybrid Maize- A boon to food Basket of tribal farmers in MP .**
2. **Category :-** The project falls under Agriculture category. This project was basically sanctioned to promote cultivation of Hybrid Maize in the tribal dominated part of Madhya Pradesh.
3. **Challenges :-** Madhya Pradesh is having 307.56 Lakh Ha. geographical area, out of it 207.60 Lakh Ha. area is under crop cultivation . The most challenging situation in the state is its number of operational land holdings. The operational holding in the state is as given below :-

Number in Lakh
Area in lakh Ha.

Category	Unit	SC	ST	Institutional	Others	Total	%
Marginal	No	4.42	5.43	0.01	18.52	28.38	38.56
	Area	2.19	2.70	Neg.	9.08	13.97	8.53
Small	No	2.59	4.13	Neg.	12.79	19.51	26.51
	Area	3.66	5.99	0.01	18.63	28.29	17.28
Others	No	2.08	5.48	0.02	18.13	25.71	34.93
	Area	7.69	23.74	0.31	89.72	121.46	74.19
Total	No	9.09	15.04	0.03	49.44	73.60	100.00
	%	12.35	22.44	0.04	67.17	-	
	Area	13.54	32.43	0.32	117.43	163.72	
	%	8.27	19.80	0.20	71.73	100.00	

As it is seen in the above table , the 8.53 % area is owned by 38.56% marginal farmers, and 17.38% area is owned by 26.51 % small farmers. It is evident from the above table that over all 65.01 % farmers population is either in marginal or small category. It can also be noticed that out of this population 9.56% population is tribal . The major food habit of tribal's is Maize, Rice, Jawar and other minor millets. The average productivity of Maize in the state is 2860 Kg per Ha. It also depends on rainfall pattern . Excessive rain in the water logged areas can also spoil the crop . The research data reveals that the productivity of Hybrid Maize is approximately 3200-4000Kg per ha.

4. **Initiative :-** To facilitate the tribal farmers of the state a prestigious project of " Popularization of Hybrid Maize " was sanctioned in the RKVY . The year wise physical and financial target and its achievement has been given as under :-

(Financial - Rs in Lakhs, Physical- In Quintals)

Year	Target		Achievement	
	Physical;	Financial	Physical;	Financial
2011-12	4000	200.00	2948	144.67
2012-13	10000	1100.00	26258	1100.00
2013-14	12677	571.00	10586	400.60
2015-16	20000	1000.00	2692	39.44
2016-17	110000	1100.00	28672	294.75



Farmer- Shivswaroop,
Gram-Roshani, Block- Khalwa
District - Khandwa

The projects was sanctioned specially for SC /ST farmers of tribal areas. The strong convergence was also made to facilitate the SC/ST farmers for giving higher subsidy.

The arrangement was so made so that, SC/ST farmers can get 50% subsidy from RKVY funds and 40% subsidy from Annpurna/ Surajdhara state scheme (To a maximum ceiling of Rs.1500/Ha

Remaining 10% was kept as farmers share. It was also decided that every farmer will be given seed maximum for one Ha of land.

The farmers were free to choose the varieties of Hybrid Maize from available varieties with NSC, SAU and Seed Corporation .

5. Key Results / Interesting Facts :-

There are few interesting fact that the average productivity of Maize in the state is 2860 Kg per Ha in the year 2015-16 where as productivity of Hybrid maize is from 35 to 40 Quintal per Ha. The data of area covered , production and productivity of last five years for maize is as given below :-

(Area- in 000Ha, Production- Lakh Quintal and Productivity- Kg/Ha)

Year	Area	Production	Productivity
2011-12	860	13.25	1540
2012-13	865	23.89	2760
2013-14	849	20.26	2388
2014-15	1132	25.31	2237
2015-16	1098	31.40	2860

The data received from the sample districts who have adopted hybrid maize, is as given below :-

S.No	Particulars	2015	2016
District -Khandwa			
1	Area under Maize	24600 Ha	34600 Ha
2	Progress under Hybrid Maize	-	950 Ha
3	Average productivity of maize in the district. Kg/ Ha	1826	2021
4	Average productivity of Hybrid maize in the district. Kg/ Ha	-	3200 Kg / Ha

5	Variety used in case of Hybrid maize	-	KMH 3712
6	Approximate increase in Income due to Hybrid maize.	-	20-30%
District :- Betul			
1	Area under Maize	56500 Ha	70522 Ha
2	Progress under Hybrid Maize	0	8632 Ha
3	Average productivity of maize in the district	2355	2686
4	Average productivity of Hybrid maize in the district	0	3040
5	Variety used in case of Hybrid maize	0	KMH-3712
6	Approximate increase in Income due to Hybrid maize.	-	15-30%

6. **Impact :-** It is clearly visible from the above data, that the average area covered under maize in Khandwa district has a increase of approximately 41%



and yield increased by 58.34% . The general survey conducted by the extension functionary in various districts reveals that the incremental income per farmers is approximately 10 to 15%. It was anticipated that since tribal farmers particularly those having less than 1 Ha land, have insufficient paying capacity . Therefore for those farmers the RKVY subsidy was top up by state scheme by 40%.

Farmer - Laxaman/ Kanhayalal
Village- Ambada, Block - Khalwa
District- Khandwa

7. **Lesson Learned :-** During the implementation of project in several years , it has been observed that accordingly to the instructions issued by the state government initially farmer had to pay full amount of seed he has purchased from any of the notified agency. This provision of guiding principles caused less lifting of seed , because majority of the farmers could not pay the whole amount in cash in one time. Looking to this difficulty of farmers of notified tribal blocks, government has changed the guiding principles and now farmers are authorized to take seed

from notified agencies by depositing farmers share only and its the responsibility of the agency to apply for the subsidy portion along with the receipt of each farmers to the district authority . During the year 2017-18 better result may be seen due to this arrangement.

8. **Additional Information if any** :- As this project is being implemented by the Annpurna/ Surajdhara section of Directorate of Farmer Welfare and Agriculture Development, the contact number of authorized officer is as follows :-

- 1.Name of officer :- Shri R. L. Jamre, Joint Director
2. Contact Number.:- 09826720115
3. Address :- Directorate of farmer Welfare & Agriculture Development , Vindhyachal Bhawan, Bhopal.

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