

Success Story of Minor Irrigation Projects under RKVY

Madhya Pradesh

1. **Title:-** "Increasing Irrigated area by way of Tube Well - Way to Prosperity "
2. **Category:-** Agriculture
3. **Background / Challenges:-** The geographical area of Madhya Pradesh is 308 thousand sq. kilometer which is one of the second largest state in the country. The whole state is full of land degradation including gullies and ravenous land. The major rivers which flows from the state are Narmada, Betwa, Dhasan, Ken, Son , Shipra and Jamni. The M.P. state was formed on 1st November 1956, till then every effort has been made to increase the irrigated area of the state. The RKVY was started in the state in the year 2007-08; the following is the data pertains to potential created and potential utilized under Large, Medium and Small irrigation projects implemented by the Water Resource Department in the state.

Area in "000" Ha

Year	Large		Medium		Small		Total		% Utilization
	Potential Created	Potential Utilized	Potential Created	Potential Utilized	Potential Created	Potential Utilized	Potential Created	Potential Utilized	
2007-08	1554	578	401	179	844	192	2799	949	35.90
2008-09	1647	631	401	178	893	168	2949	977	36.40
2009-10	1681	572	408	147	922	168	3011	887	32.40
2010-11	1747	620	410	173	982	183	3039	976	35.00
2011-12	1846	1052	416	167	1016	416	3278	1635	55.70

As it are vital facts that irrigation dams cannot irrigate the land in every part of the state particularly in fairly flat regions. It is also proven truth that irrigation dams can only be made on rivers, where as to irrigate the small land , particularly where the canal irrigation is not possible some other means of irrigation are to be encouraged. Since last 30 to 40 years it became the biggest challenge to provide irrigation water to each and every land holding of the state . During the era of 1980s state government has started the state scheme of "Drilling of Tube Well in farmers field" . The subsidy pattern per tube well was kept as below -

1. Up to the year 2011:
 - A. 50% cost of the drilling or Rs 15000/- whichever is less
 - B. 50% the cost of pump or Rs 9000/- whichever is less for successful tube well.
2. From 2012 onwards :
 - A. 50% cost of the drilling or Rs 25000/- whichever is less
 - B. 50% the cost of pump or Rs 15000/- whichever is less for successful tube well.

This scheme was applicable to all categories of farmers, till RKVY started in the state. There is a limiting factor in the scheme that farmers of the Critical and Over Exploited blocks as declared by the Central Ground Water Board will not be sanctioned the tube well on subsidy from the scheme. The list of such blocks is as given below:-



SN	Districts	Critical Blocks	Over- Exploited Blocks
1	Badwani	-	Pansemal
2	Dewas	-	Dewas, Sonkutch
3	Dhar	-	Badnawar, dhar, Dharampuri, Naicha
4	Indore	-	Depalpur, Indore, Sanwer
5	Mandsaur	-	Mandsaur, Sitamau
6	Ratlam	-	Ratlam, Alot, Jawara, Piploda
7	Satna	Amarpatan, Sohawal	Rampur Baghelan
8	Shajapur	-	Momanbarodia, , Sujalpur
9	Agar	Agar	Nalkhera ,Susner
10	Ujjain	-	Ujjain, Ghatia, Badnagar

4. Initiative:- In the year 2007-08 RKVY was started in the state. The Government of Madhya Pradesh has stopped giving subsidy to General category of farmers from state scheme and started new project in RKVY for General category of farmers. The subsidy pattern was kept as of state scheme. From the beginning of RKVY following projects were sanctioned and implemented in the state.



Rs in lakh

Date of SLSC	Cost of project	Expenditure	No of Tube Well
12.12.07	480.00	289.95	1816
18.07.08	2500.00	992.18	7043
09.07.09	960.00	948.56	5697
12.05.10	2500.00	2436.34	9136
30.04.11	2500.00	1168.66	5074
09.06.12	2000.00	1991.90	6062
18.05.15	1000.00	727.54	1243
Total	11940.00	8555.13	36071

3. As the number of critical and over exploited blocks is increasing rapidly, therefore state government has taken a new decision to stop the project under RKVY for general category of farmers. Now only state scheme is being implemented only for SC/ST farmers.

5. Key Result/ Insight /Interesting Facts:- Farmers of those areas where canal irrigation is not available, have taken the maximum benefit of this project. It is experienced that one successful tube well can irrigate 02 Ha of land. Therefore 36071 number of tube well established from RKVY as shown above, could have created the additional irrigated area of 72142 Ha in the state. As the resistivity test has been made compulsory in the project, therefore the number of successful tube wells is maximum.

6. Impact:- Before RKVY there was only one source of getting subsidy for general category of farmers, that is from state Tube Well scheme. The total funds available in that scheme was divided in to all three category i.e. SC, ST, General farmers. Therefore there was always crunch of funds. As soon as RKVY started the general category of farmers start getting subsidy

from RKVY and number of cases in state schemes for SC/ST farmers was also increased. So far 36071 number of tube wells are established in the farmers field, which on an average are irrigating approximately 72142Ha of cultivated area which was earlier rain-fed . As per the recommendation of agriculture scientist there is 20% increase in productivity due to irrigation, that way the total production is also increased by 20%. This additional production gives additional income to the farmers, which ranges according to the cropping pattern and crops chosen by the farmers.

- 7. Lesson Learnt:-** As on date it is the countrywide accepted fact that now country is almost independent as far as the total food grain production is concerned. Therefore the concentration has now been shifted to the welfare of the farmers and their easy accessibility to all ongoing schemes. This is also learnt that on one hand the construction of minor irrigation tank and percolation tank have been stopped in the department of FW&AD from the year 2012 secondly the number of critical and over exploited blocks are rapidly increasing in the state. Therefore looking to the recharging problems state government has stopped sanctioning project for tube well drilling under RKVY from the year 2016-17.

8. Supporting Quotes and Images:-



Irrigated Paddy Crop



Irrigated Wheat Crop

- 9. Additional Information:-** The contact person who is dealing with Minor Irrigation in the Directorate of FW&AD, Madhya Pradesh is as given below :-
Shri K.S. Yadav, Dy. Director Agriculture (MI),
Directorate of FW&AD, 5th floor, Vindhyachal Bhawan, Bhopal
Phone No:-0755-2573039, Mobile No :- 09111998967