

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS' WELFARE
DEPARTMENT OF AGRICULTURE & FARMERS' WELFARE

RAJYA SABHA
UNSTARRED QUESTION NO.347
TO BE ANSWERED ON THE 09/12/2022

ADVANCE IRRIGATION SYSTEM IN RAJASTHAN

347. SHRI RAJENDRA GEHLOT:

Will the Minister of Agriculture and Farmers' Welfare be pleased to state:

- (a) the details of the land area covered under the advanced irrigation system in Rajasthan and the number of beneficiaries thereof, so far, district-wise;
- (b) whether Government has undertaken any study to ascertain the impact of micro irrigation projects on farmers' income, if so, the details thereof; and
- (c) the total number of farmers who have adopted the micro irrigation projects in the country, State-wise and the total number of micro water harvesting structures constructed in Rajasthan during last three years, the details thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) The Department of Agriculture and Farmers Welfare (DA&FW) is implementing Per Drop More Crop (PDMC) scheme from the year 2015-16 in the Country including Rajasthan. PDMC focuses on enhancing water use efficiency at farm level through Micro Irrigation namely Drip and Sprinkler Irrigation systems. The district wise area covered under Micro Irrigation and number of farmers benefited so far under PDMC in the State of Rajasthan is at Annexure-I.

(b) Evaluation of the PDMC Scheme was taken up by the NITI Aayog during 2020-21. According to the study report:

- The scheme is relevant in achieving national priorities such as substantially improving on-farm water use efficiency, enhancing crop productivity, generating employment opportunities etc.
- The scheme has been quite effective in terms of showing benefits (e.g. increase in productivity, reduction in fertilizer consumption, water consumption, power consumption etc.)
- Impact of this scheme has realized in terms of increase in farmer's income, employment generation and water saving.

- Income of farmers has increased in the range of 10% to 69%.
- Water use efficiency has improved in the range of 30% to 70%.

c) The State wise total number of farmers who have adopted the micro irrigation in the country under PDMC during last three years is given at Annexure-II. As per the report available from State of Rajasthan, the details of number of micro water harvesting structures (WHS) constructed in State during the last three years are as under:

Structures	Nos. of WHS in Year			
	2019-20	2020-21	2021-22	Total
Diggi	125	605	4159	4889
Farm pound	3153	4554	5812	13519
Jal Hauze	519	0	0	519
Total	3797	5159	9971	18927

Annexure-I to Rajya Sabha Unstarred Question No. 347 for 09/12/2022

Districtwise details of Area covered and Nos. of beneficiaries under Micro Irrigation in Rajasthan under PDMC Scheme

S.No.	Districts	Total Area Covered (ha)	Total Beneficiaries (Nos)
1	Ajmer	7582	6206
2	Alwar	14803	11556
3	Banswara	4861	4911
4	Baran	3691	2349
5	Barmer	35516	19591
6	Bharatpur	1568	2265
7	Bhilwara	31076	22992
8	Bikaner	24287	9795
9	Bundi	9288	6909
10	Chittorgarh	15404	11703
11	Churu	20174	11942
12	Dausa	6033	5181
13	Dholpur	1188	901
14	Dungarpur	1910	2174
15	Ganganagar	23698	15792
16	Hanumangarh	36357	22133
17	Jaipur	33786	25927
18	Jaisalmer	9383	6001
19	Jalore	48803	33794
20	Jhalawar	19182	15468
21	Jhunjhunu	18702	13963
22	Jodhpur	23651	15174
23	Karoli	2258	1927
24	Kota	6074	4377
25	Nagour	8621	6021
26	Pali	7671	5750
27	Pratapgarh	11082	6860
28	Rajsamand	2779	2391
29	S.Madhupur	12828	7743
30	Sikar	22947	18915
31	Sirohi	7374	5164
32	Tonk	10171	6245
33	Udaipur	2315	2409
	Total	485062	334530

Annexure-II to Rajya Sabha Unstarred Question No. 347 for 09.12.2022

No. of farmers benefited for Micro Irrigation under Per Drop More Crop scheme during last three years

S No.	State	No. of farmers benefited for Micro Irrigation
1	Andhra Pradesh	116007
2	Bihar	5601
3	Chhattisgarh	68780
4	Goa	252
5	Gujarat	208793
6	Haryana	48925
7	Himachal Pradesh	10652
8	Jharkhand	22312
9	Jammu & Kashmir	1092
10	Karnataka	936451
11	Kerala	1954
12	Madhya Pradesh	77499
13	Maharashtra	352221
14	Odisha	55201
15	Punjab	3772
16	Rajasthan	155519
17	Tamil Nadu	502347
18	Telangana	44488
19	Uttarakhand	13910
20	Uttar Pradesh	108592
21	West Bengal	99189.6
22	Arunachal Pradesh	4493
23	Assam	31485
24	Manipur	9330
25	Mizoram	5626
26	Nagaland	5566
27	Sikkim	18259
28	Tripura	3504
	Total	2911821
