

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

LOK SABHA
UNSTARRED QUESTION NO. 3849
TO BE ANSWERED ON THE 21ST December, 2021

IMPACT OF IRRIGATION ON FARMERS INCOME

3849. Kunwar Pushpendra Singh Chandel:

Will the Minister of AGRICULTURE AND FARMERS' WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government has conducted any assessment of increase in the income and prosperity of the farmers through various water projects in the country including Bundelkhand;
- (b) if so, the details thereof;
- (c) whether investment in agriculture in the areas covered under water projects due to availability of water has also increased; and
- (d) if so, the details thereof, State-wise including Bundelkhand?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a)& (b): No specific study has been conducted for assessment of increase in the income and prosperity of the farmers through various water projects. However, Department of Agriculture & Farmers Welfare is implementing the Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY-PDMC) since 2015-16. Recent evaluation study of the scheme conducted by NITI Aayog indicates that the Micro Irrigation is relevant in achieving the National Priorities such as substantially improving on-farm water use efficiency, enhancing crop productivity, generating employment opportunities etc. Further, the scheme has been quite effective in terms of ensuring benefits to farmers with high

productivity, reducing fertilizer usage, reduction in labour expenses, other input costs and overall income enhancement of farmers.

Further, an independent evaluation study conducted by NABARD Consultancy Services (NABCONS) through National Rainfed Area Authority (NRAA) during 2014 on Special Package for Drought Mitigation in Bundelkhand Region of Uttar Pradesh and Madhya Pradesh has reported increase in irrigation potential up to 23% in U.P. and 37% in M.P., besides, increase in productivity of crops up to 51% in Kharif and up to 42% in Rabi in the project areas of Bundelkhand region.

(c) & (d): Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) was launched during the year 2015-16 with the objective to enhance physical access of water and expand cultivable area under assured irrigation, improve on-farm water use efficiency, introduce sustainable water conservation practices etc. The PMKSY envisages achieving convergence of investments in irrigation at the field level through preparation of District and State irrigation plans. The details of components of PMKSY are as under:

i. Accelerated Irrigation Benefit Programme (AIBP): To focus on faster completion of ongoing Major / Medium Irrigation projects. From 2016-17 onwards, 99 prioritized Projects have been identified for expeditious completion adopting innovative funding through creation of 'Long Term Irrigation Fund' under NABARD for Mission Mode completion of projects. Out of the prioritised 99 projects, 3 projects in Madhya Pradesh i.e. Singhpore Project, Sindh Project Phase II, Barriyarpur LBC and one project Arjun Sahayak Project in Uttar Pradesh falls in Bundelkhand region. This component is being implemented by Deptt. of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD&GR). State wise details of Central Assistance released under PMKY-AIBP for prioritised 99 projects including projects in Bundelkhand region is given at **Annexure I**.

ii. PMKSY– Har Khet Ko Pani (HKKP): Command Area Development & Water Management (CAD&WM) activities of AIBP projects, Source augmentation, distribution, ground water development, lift irrigation, repair, restoration, renovation (RRR) of traditional water bodies. This component is being implemented by DoWR, RD&GR. State wise details of Central Assistance released under CAD&WM, Surface Minor Irrigation (SMI) scheme, RRR of Water Bodies scheme including projects in Bundelkhand region of Uttar Pradesh and Madhya Pradesh is given at **Annexure II, III & IV** respectively.

iii. PMKSY-Watershed Development Component (WDC): Ridge area treatment, drainage line treatment, soil and moisture conservation, water harvesting structure, livelihood support activities and other watershed works. This component is being

implemented by Department of Land Resources. State wise details of Central Assistance released under PMKSY-WDC including projects in Bundelkhand region of Uttar Pradesh and Madhya Pradesh is given at **Annexure V**.

iv. PMKSY- Per Drop More Crop (PDMC): To address the water use efficiency at farm level through Micro Irrigation viz. Drip and Sprinkler Irrigation Systems. This component is being implemented by Department of Agriculture & Farmers Welfare (DA&FW). State wise details of Central Assistance released under PMKSY-PDMC including projects in Bundelkhand region of Uttar Pradesh and Madhya Pradesh is given at **Annexure VI**.

**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under PMKSY-AIBP from 2016-21**

Sl. No.	STATE	Central Assistance released (Rs in Crore)
1	Andhra Pradesh	45.26
2	Bihar	220.48
3	Chhattisgarh	82.16
4	Gujarat	8165.93
5	UT of J&K and Laddakh	85.36
6	Jharkhand	1513.46
7	Karnataka	2373.24
8	Madhya Pradesh	1217.64
9	Maharashtra	3727.9
10	Manipur	456.7
11	Odisha	2417.74
12	Punjab	104.84
13	Rajasthan	917.12
14	Telangana	1875.06
15	Uttar Pradesh	2795.82
	Total	25998.71

**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under Command Area Development & Water
Management (CADWM) from 2016-17 to 2020-21**

Sr. No.	Name of the State/ UT	Central Assistance released (Rs. in crore)
1	Andhra Pradesh	69.18
2	Assam	7.55
3	Bihar	35.82
4	Chhattisgarh	21.71
5	Goa	3.84
6	Gujarat	1719.15
7	Jammu & Kashmir	3.57
8	Karnataka	75.28
9	Kerala	2.69
10	Madhya Pradesh	294.76
11	Maharashtra	120.02
12	Orissa	131.96
13	Punjab	18.08
14	Rajasthan	51.39
15	Telangana	36.34
16	Uttar Pradesh	156.00
Total		2747.35

**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under Surface Minor Irrigation (SMI) scheme from 2015-
16 to 2020-21**

SI No.	State	Central Assistance released (Rs. in crore)
1	Arunachal Pradesh	212.43
2	Assam	1651.06
3	Bihar	65.42
4	Chhattisgarh	32.77
5	Himachal Pradesh	324.30
6	J&K & Ladakh	386.39
7	Manipur	151.48
8	Meghalaya	228.22
9	Mizoram	29.23
10	Nagaland	180.97
11	Sikkim	48.40
12	Tripura	9.00
13	Uttarakhand	246.55
	Total	3566.23

Annexure IV**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under Repair, Renovation and Restoration (RRR) of
Water Bodies scheme from 2015-16 to 2020-21**

Sl No.	State	Central Assistance released (Rs. in crore)
1	Andhra Pradesh	2.7000
2	Bihar	18.0750
3	Gujarat	8.8125
4	Manipur	24.2625
5	Meghalaya	2.6630
6	Odisha	92.2841
7	Rajasthan	62.1840
8	Tamil Nadu	34.2507
9	Telangana	104.5593
10	Uttar Pradesh	16.4087
	Total	366.1998

**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under WDC-PMKSY (2015-16 to 2020-21)**

S.No.	State	Central Assistance released (Rs. in crore)
1	Andhra Pradesh	658.47
2	Arunachal Pradesh	131.42
3	Assam	394.93
4	Bihar	187.61
5	Chhattisgarh	192.51
6	Gujarat	532.35
7	Haryana	61.48
8	Himachal Pradesh	173.14
9	Jammu & Kashmir	232.33
10	Ladakh	6.15
11	Jharkhand	145.20
12	Karnataka	575.40
13	Kerala	116.28
14	Madhya Pradesh	882.87
15	Maharashtra	982.49
16	Manipur	49.73
17	Meghalaya	46.39
18	Mizoram	92.69
19	Nagaland	299.51
20	Odisha	441.00
21	Punjab	15.91
22	Rajasthan	1511.27
23	Sikkim	9.83
24	Tamil Nadu	310.70
25	Telangana	296.91
26	Tripura	103.05
27	Uttar Pradesh	197.31
28	Uttarakhand	58.78
29	West Bengal	188.80
	Grand Total	8894.50

Annexure VI

**Annexure to Lok Sabha Unstarred Question No. 3849 for answer on 21.12.2021
Central Assistance released under PMKSY-PDMC from 2015-16 to 2021-22 (as on
16.12.2021)**

S.No.	States/UT	Central Assistance released (Rs. in crore)
1	Andhra Pradesh	2104.16
2	Bihar	112.21
3	Chhattisgarh	240.64
4	Goa	2.80
5	Gujarat	1612.55
6	Haryana	218.19
7	Himachal Pradesh	116.85
8	Jharkhand	175.64
9	Jammu & Kashmir	58.07
10	Karnataka	2309.15
11	Kerala	42.53
12	Madhya Pradesh	792.40
13	Maharashtra	1760.46
14	Odisha	231.40
15	Punjab	53.18
16	Rajasthan	922.82
17	Tamil Nadu	2036.83
18	Telangana	679.32
19	Uttarakhand	176.80
20	Uttar Pradesh	521.79
21	West Bengal	176.70
22	Arunachal Pradesh	88.40
23	Assam	122.03
24	Manipur	157.36
25	Meghalaya	31.73
26	Mizoram	104.47
27	Nagaland	169.64
28	Sikkim	136.24
29	Tripura	51.50
30	Andaman & Nicobar Island	0.70
31	Puducherry	2.03
32	Ladakh	2.40
	Grand Total	15210.99
