

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

LOK SABHA
UNSTARRED QUESTION NO.2253
TO BE ANSWERED ON THE 14th FEBRUARY, 2023

WATER SUPPLY FOR IRRIGATION

2253. SHRI DINESH CHANDRA YADAV:

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

- (a) whether the Government has any action plan to ensure the water supply for irrigation to every field of the farmers in the country;
- (b) if so, the details thereof of the said action plan; and
- (c) the time limit set for achieving the target under the said scheme and the details thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) to (c): The Government is implementing Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) with an aim to enhance physical access of water on farm and expand cultivable area under assured irrigation and introduce sustainable water conservation practices. The components of PMKSY are as under:

Accelerated Irrigation Benefit Programme (AIBP) and Har Khet Ko Pani (HKKP) components of PMKSY are being implemented by Department of Water Resources, River Development & Ganga Rejuvenation (DoWR, RD&GR).

The PMKSY-AIBP focuses on faster completion of ongoing Major and Medium Irrigation projects, prioritized during 2016-17, along with their Command Area Development & Water Management (CADWM) works on Mission Mode. The State-wise Central Assistance released and Irrigation Potential created / Culturable Command Area covered under AIBP and CADWM is given at **Annexure-I, II & III** respectively.

The schemes of Surface Minor Irrigation (SMI) and Repair, Renovation & Restoration (RRR) of Water Bodies are under the HKKP component of PMKSY being implemented by DoWR, RD&GR. The state-wise details of Central Assistance released and potential achieved under SMI and RRR of Water Bodies schemes are given at **Annexure-IV-A and IV-B**.

Pradhan Mantri Krishi Sinchai Yojna – Har Khet Ko Pani - Ground Water Irrigation (PMKSY-HKGP-GW) scheme being implemented by DoWR, RD&GR aims for assured ground water irrigation to small and marginal farmers by construction of wells and tubewells to reduce the dependence on rainwater. Scheme is applicable only in areas where ground water development is less than 60% with average rainfall of more than 750 mm and shallow ground water levels (less than 15 m below ground level). Under PMKSY-HKGP-GW, a total of 13 projects has been sanctioned for 10 States. The details of targets and achievements, beneficiaries, irrigation land created, etc. under PMKSY-HKGP-GW scheme are given in **Annexure-V**.

Integrated Watershed Management Programme (IWMP) amalgamated as one of the components of PMKSY in 2015-16 and named as the Watershed Development Component (WDC-PMKSY) is being implemented by Department of Land Resources. The activities undertaken, inter alia, include ridge area treatment, drainage line treatment, soil and moisture conservation, rainwater harvesting, nursery raising, pasture development, livelihoods for asset less persons etc.

Under WDC-PMKSY 1.0, Department of Land Resources provided Central assistance for 6382 watershed development projects in 28 States and released Rs.19926.67 crore as Central share. The extended project period of WDC-PMKSY 1.0 got over on 31.03.2022. Under WDC-PMKSY 1.0, as per information received from the States/UTs, since 2014-15 to 2021-22, approximately 7.64 lakh water harvesting structures have been created / rejuvenated. An additional area of about 16.41 lakh ha has been brought under protective irrigation. The number of farmers benefited is about 36.34 lakh during the said period.

On 15.12.2021, the GOI approved continuation of the scheme as WDC-PMKSY 2.0. Under WDC-PMKSY 2.0, for implementation of watershed projects in States/UTs an area of 49.43 lakh ha have been sanctioned to 28 States and UTs of Jammu & Kashmir and Ladakh. As on 28.02.2023, an amount of Rs. 1873.18 crore Central share of funds has been released to States/UTs. Under WDC-PMKSY 2.0, during FY 2022-23 (upto 3rd Quarter), approximately 0.13 lakh water harvesting structures have been created / rejuvenated. An additional area of about 0.21 lakh ha has been brought under protective irrigation. The number of farmers benefited is about 2.14 lakh during the said period.

The Department of Agriculture & Farmers Welfare (DA&FW) is implementing Per Drop More Crop (PDMC) scheme as a component of PMKSY from 2015-16. During 2022-23, the PDMC is being implemented under the Rashtriya Krishi Vikas Yojana (RKVY). The PDMC focuses on enhancing water use efficiency at farm level through Micro Irrigation viz. Drip and Sprinkler irrigation systems. State wise Central Assistance released and area covered under Micro Irrigation under the PDMC is given at **Annexure-VI**.

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Irrigation Potential (in Thousand Ha.) Created under PMKSY-AIBP

99 AIBP Projects.								
S.No.	State/UT	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17 to 2021-22
1	Andhra Pradesh	11.89	10.41	2.03	0.00	0.00	0.00	24.33
2	Assam	28.28	0.00	1.17	0.00	0.00	7.10	36.55
3	Bihar	10.31	0.40	0.20	1.87	0.20	6.56	19.54
4	Chhattisgarh	6.66	9.96	0.00	0.04	0.10	0.00	16.76
5	Goa	0.05	0.00	0.18	0.00	0.00	0.09	0.32
6	Gujarat	116.50	312.18	98.63	28.69	13.91	12.29	582.20
7	UT of Jammu & Kashmir	0.00	0.00	0.00	5.26	0.90	0.36	6.52
8	Jharkhand	79.19	0.00	0.00	0.00	0.61	0.00	79.80
9	Karnataka	24.62	81.00	6.87	1.93	1.34	0.00	115.76
10	Kerala	0.07	0.24	0.80	0.95	0.00	0.00	2.06
11	Madhya Pradesh	73.73	72.28	16.18	11.22	1.74	2.64	177.79
12	Maharashtra	66.51	31.49	74.10	66.22	33.24	43.14	314.70
13	Manipur	4.00	3.24	2.39	0.00	3.79	0.92	14.34
14	Odisha	5.42	17.61	13.10	15.20	3.82	4.43	59.58
15	Punjab	0.00	11.62	0.00	0.00	1.44	21.93	34.99
16	Rajasthan	0.00	7.05	0.12	0.07	0.00	0.00	7.24
17	Telangana	20.11	84.12	9.73	3.74	20.36	40.88	178.94
18	Uttar Pradesh	67.40	61.13	384.88	181.97	48.49	20.06	763.93
19	UT of Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total (A)	514.74	702.73	610.38	317.16	129.94	160.40	2435.35
New AIBP projects								
1	Jihe Kathapur project (Maharashtra)	—	—	—	—	—	7.90	7.90
2	Nadaun project (Himachal Pradesh)	—	—	—	—	—	0.00	0.00
3	Parwan multipurpose project (Rajasthan)	—	—	—	—	—	0.00	0.00
4	Kannadian channel (Tamil Nadu)	—	—	—	—	—	4.12	4.12
5	ERM of Sukla irrigation project (Assam)	—	—	—	—	—	0.00	0.00
6	ERM of Loktak LIS (Ph-I) (Manipur)	—	—	—	—	—	0.00	0.00
	Total (B)	—	—	—	—	—	12.02	12.02
	Grand Total (A+B)	514.74	702.73	610.38	317.16	129.94	172.42	2447.37

Annexure-II

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Central Assistance released under PMKSY-AIBP (in Rs. Cr.)

(99 AIBP Projects)									
S.No.	State/UT	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17 to 2021-22	2022-23 (so far)
1	Andhra Pradesh	7.40	15.23	0.00	0.00	0.00	0.00	22.63	0.00
2	Assam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Bihar	0.00	46.32	37.82	11.98	14.12	0.00	110.24	0.00
4	Chhattisgarh	13.29	17.25	0.00	4.09	6.45	3.12	44.20	0.00
5	Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Gujarat	961.88	1410.49	1047.29	485.35	177.96	357.28	4440.25	0.00
7	UT of Jammu & Kashmir	0.00	8.22	16.92	5.07	9.50	0.00	39.71	0.00
8	Jharkhand	145.75	305.10	305.88	0.00	0.00	0.00	756.73	0.00
9	Karnataka	135.46	459.52	197.00	163.42	231.22	0.00	1186.62	0.00
10	Kerala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	Madhya Pradesh	300.13	181.27	81.01	26.45	19.96	59.47	668.29	66.35
12	Maharashtra	379.86	363.02	527.54	291.68	301.85	279.07	2143.02	0.00
13	Manipur	126.99	25.42	21.93	30.50	23.51	11.75	240.10	0.00
14	Odisha	457.74	464.71	119.38	90.65	76.39	0.00	1208.87	0.00
15	Punjab	52.42	0.00	0.00	0.00	0.00	0.00	52.42	0.00
16	Rajasthan	45.89	216.87	95.15	7.04	93.61	0.00	458.56	0.00
17	Telangana	545.43	13.24	2.00	214.04	162.82	43.95	981.48	0.00
18	Uttar Pradesh	135.63	65.60	397.16	407.68	391.84	0.00	1397.91	0.00
19	UT of Ladakh	0.00	1.36	0.00	0.81	0.81	0.00	2.98	0.00
	Total (A)	3307.87	3593.62	2849.08	1738.76	1510.04	754.64	13754.01	66.35
(6 New AIBP projects)									
1	Jihe Kathapur project (Maharashtra)	—	—	—	—	—	6.48	6.48	0.00
2	Nadaun project (Himachal Pradesh)	—	—	—	—	—	2.25	2.25	0.00
3	Parwan multipurpose project (Rajasthan)	—	—	—	—	—	41.43	41.43	0.00
4	Kannadian channel (Tamil Nadu)	—	—	—	—	—	9.04	9.04	0.00
5	ERM of Sukla irrigation project (Assam)	—	—	—	—	—	0.00	0.00	41.98
6	ERM of Loktak LIS (Ph-I) (Manipur)	—	—	—	—	—	0.00	0.00	0.00
	Total (B)	—	—	—	—	—	59.20	59.20	41.98
	Grand Total (A+B)	3307.87	3593.62	2849.08	1738.76	1510.04	813.84	13813.21	108.33

Annexure-III

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Status of CADWM component for 99 Prioritized Projects

Sl. No.	Name of the State/UT	Financial Progress (Central Assistance released) (Amount in Cr.)						Physical Progress (Area in th. Ha.)					
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
1	Andhra Pradesh	0.00	0.00	69.18	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.93
2	Assam	0.00	0.00	3.55	0.00	4.00	0.000	0.00	0.00	11.92	7.97	3.51	2.00
3	Bihar	12.64	8.76	14.42	0.00	0.00	0.000	2.25	5.49	4.00	2.47	3.04	1.02
4	Chhattisgarh	0.00	11.78	9.93	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	2.07
5	Goa	0.00	0.00	0.00	0.00	3.84	0.000	0.01	0.01	0.75	0.08	0.20	0.00
6	Gujarat	681.64	690.48	347.04	0.00	0.00	0.000	385.28	290.00	260.17	1.59	1.57	59.57
7	Jammu & Kashmir	0.00	0.00	1.70	0.00	1.87	0.000	0.00	0.00	0.97	0.53	0.19	0.03
8	Jharkhand	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
9	Karnataka	31.42	15.24	13.49	3.79	11.34	0.000	11.08	10.95	8.92	3.79	0.10	3.44
10	Kerala	0.00	0.00	0.00	0.00	2.69	0.000	0.00	0.00	0.00	0.30	0.30	0.00
11	Madhya Pradesh	77.75	102.79	70.91	0.00	43.32	15.758	74.94	85.06	46.94	17.40	24.10	12.60
12	Maharashtra	15.17	32.83	26.09	0.00	46.23	28.878	7.63	16.56	40.81	19.65	24.23	16.17
13	Manipur	0.00	0.00	0.00	0.00	0.00	2.085	0.00	0.00	5.03	0.00	3.64	0.00
14	Orissa	35.28	58.57	3.65	0.00	34.47	0.000	10.47	24.40	19.08	9.61	8.03	4.25
15	Punjab	0.00	0.00	0.00	0.00	18.08	0.000	0.00	0.00	0.00	0.00	0.00	20.53
16	Rajasthan	0.00	2.48	7.43	10.22	31.26	61.258	6.86	7.22	7.08	0.46	9.11	22.77
17	Telangana	0.00	10.22	26.12	0.00	0.00	0.000	0.00	0.00	0.00	10.68	0.00	0.00
18	Uttar Pradesh	0.00	0.00	0.00	150.00	6.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL	853.90	933.13	593.51	164.01	203.10	107.9784	498.51	439.70	405.66	74.54	78.01	145.38

Annexure-IV-A

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Details of Central Assistance (CA) and Irrigation Potential (IP) created under SMI scheme

Rs in crore and IPC in Th-Ha

SI No	State	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		Cumulative Upto Feb 2023	
		CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d	CA release d	IP create d
1	Arunachal Pradesh	37.22	2.80	20.52	1.66	10.26	0.51	22.25	0.58	17.49	2.79	104.69	0.09	142.73	0.00	41.95		397.12	8.43
2	Assam	139.41	43.98	87.86	46.35	375.77	15.76	428.34	9.95	414.06	6.73	205.62	0.00	275.20	0.00			1926.27	122.77
3	Bihar	6.36	13.21	0.00	0.00	0.00	14.07	32.28	9.70	16.14	8.66	10.65	1.30	0.00	0.00			65.42	46.93
4	Chhattisgarh	32.77	13.00	0.00	3.57	0.00	0.80	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00			32.77	17.87
5	Himachal Pradesh	0.00	1.62	1.13	1.61	49.28	0.00	66.20	2.15	147.91	5.46	59.80	7.76	60.31	3.62			384.61	22.22
6	J&K & Ladakh	84.03	7.24	0.00	7.12	104.48	2.71	31.71	12.34	68.58	2.24	97.59	0.00	0.00	0.00			386.39	31.66
7	Jharkhand	0.00	0.00	0.00	0.41	0.00	1.08	0.00	4.60	0.00	0.00	0.00	0.00	0.00	0.00			0.00	6.09
8	Karnataka	0.00	11.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00		30.00	11.94
9	Madhya Pradesh	0.00	3.07	0.00	31.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	34.90
10	Manipur	40.00	6.00	20.00	1.00	22.23	0.80	0.00	0.70	0.00	0.00	69.26	5.79	75.98	0.00			227.46	14.29
11	Meghalaya	72.99	0.67	0.00	5.42	44.44	0.88	31.50	0.00	22.22	3.07	57.07	3.66	100.47	4.76	37.5	0.65	366.18	19.11
12	Mizoram	1.98	0.00	0.00	0.14	8.25	0.00	0.00	0.00	11.34	1.59	7.65	0.49	4.66	0.00			33.90	2.22
13	Nagaland	61.45	2.92	18.50	0.48	9.25	0.00	35.33	2.02	20.46	1.98	35.99	0.00	40.89	0.00	1.57		223.44	7.41
14	Sikkim	4.34	0.00	0.00	2.50	9.00	0.60	16.61	0.25	9.13	0.83	9.33	0.00	9.71	0.00			58.10	4.18
15	Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00			9.00	0.00
16	Uttarakhand	121.37	4.88	0.00	4.06	32.40	2.16	61.00	1.96	31.78	4.61	0.00	2.58	29.63	0.00		0.45	276.18	20.69
	Total	601.92	111.31	148.00	106.14	665.35	39.37	725.20	44.77	768.11	37.95	657.65	21.67	739.58	8.38	111.03	1.10	4416.84	370.69

Annexure-IV-B

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Details of Central Assistance (CA) and Irrigation Potential (IP) restored under RRR Scheme

Rs in crore and IPC in Th-Ha

Sl No.	State	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		2021-22		2022-23		Cumulative Upto Feb, 2023	
		CA	IP	CA	IP	CA	IP	CA	IP	CA	IP	CA	IP	CA	IP	CA	IP	CA	IP
1	Andhra Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00			2.70	0.00
2	Bihar	0.00	0.00	0.00	0.00	0.00	0.00	6.26	0.00	11.82	0.00	0.00	17.87	8.62	0.00			26.70	17.87
3	Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	8.81	0.00	0.00	0.14	0.00	0.00	0.00	0.00	1.58	0.55	10.39	0.69
4	Madhya Pradesh	0.00	14.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	22.00
5	Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.26	0.00	0.00	0.00	0.00	0.00			24.26	0.00
6	Meghalaya	0.00	0.00	0.00	0.58	2.66	0.27	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00			2.66	0.88
7	Odisha	54.75	22.00	0.00	21.00	3.00	0.00	0.00	2.51	0.00	1.46	34.54	0.00	0.00	0.00	5.10	0.11	97.38	47.07
8	Rajasthan	35.93	0.24	0.00	7.03	14.30	0.07	0.00	2.85	11.96	0.00	0.00	0.00	0.00	0.00	9.30		71.48	10.19
9	Tamil Nadu	9.22	0.00	0.00	1.73	0.00	0.72	7.03	0.74	16.75	0.00	1.25	0.82	17.43	0.10		1.26	51.68	5.37
10	Telangana	44.88	0.00	0.00	0.00	59.68	2.54	0.00	8.51	0.00	3.62	0.00	0.80	0.00	0.00		9.57	104.56	25.04
11	Uttar Pradesh	16.41	0.00	0.00	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.00	0.00	0.00	0.00			16.41	2.35
	Total	161.18	36.24	0.00	30.34	79.65	11.60	24.80	16.96	64.79	5.25	35.79	19.49	26.05	0.10	15.98	11.49	408.23	131.46

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Details of PMKSY-HKGP-GW

S. No	Projects	Wells to be constructed Target/ Achievement Nos.	Project Command Target/ Achievement Ha	Beneficiaries Target/ Achievement Nos	Project cost in crore	CA Released in crore*
1	Assam-Ph-I	4779 /4779	19116 /19116	19643 /19643	246.07	435.96
2	Assam Phase-II	4916/4916	19664/19532	17216/17200	292.96	
3	Arunachal Pradesh-Ph-I	473 /473	1785/1785	3350/3350	45.3	79.89
4	Arunachal Pradesh Ph-II	519/519	1957/1957	3633/3633	44.95	
5	Nagaland	262/262	667/667	264/264	18.15	15.6
6	Tripura Ph-I	231/231	339/ 339	851/851	13.31	35.632
7	Tripura Ph-II	890/883	2670/735	1639/1166	48.34	
8	Manipur	550/550	2057/2057	1445/1445	61.68	54.396
9	Mizoram	209/133	553/333	411/296	16.04	8.66
10	U.P.	14752/16005	36365/27944	15252/16505	46.37	26.69
11	Uttarakhand	206/206	1030/1030	1085/1085	15.89	13.72
12	Gujarat	2150/1826	2185.59/1866	2540/1908	140.34	59.35
13	Tamil Nadu	166/163	610/603	1233/1192	9.13	5.28
	Total	30103/ 30948	88999/ 77964	68562/ 68538	998.53	735.19

* as on 28th February 2022

Annexure-VI

Lok Sabha Unstarred Question No. 2253 for answer on 14.02.2023

Coverage of Micro Irrigation Area (ha) and Central Assistance released (Rs. Crore) under Per Drop More Crop from 2015-16 till now

S. N.	State	Central Assistance released	Micro Irrigation Area
1	Andhra Pradesh	2507	820550
2	Bihar	121.71	23559.7
3	Chhattisgarh	275.14	135879
4	Goa	3.04	868
5	Gujarat	1741.8	961646
6	Haryana	353.79	133886
7	Himachal Pradesh	116.85	10486
8	Jharkhand	188.14	30134
9	Jammu & Kashmir	58.07	1104
10	Karnataka	2696.8	1695306
11	Kerala	42.53	4954
12	Madhya Pradesh	842.4	308153
13	Maharashtra	2216.5	914337
14	Odisha	247.65	91055
15	Punjab	56.93	11838
16	Rajasthan	1108.8	535202
17	Tamil Nadu	2196.3	962179
18	Telangana	679.32	313717
19	Uttarakhand	273.55	27903.4
20	Uttar Pradesh	746.79	305728
21	West Bengal	176.7	73007
22	Arunachal Pradesh	118.4	9979
23	Assam	142.03	35293
24	Manipur	196.36	13253
25	Meghalaya	31.73	0
26	Mizoram	151.22	4518
27	Nagaland	241.64	11928
28	Sikkim	213.25	11129
29	Tripura	56.26	3514
30	UTS	5.63	-
	HQ	150.38	-
	Total	17956.73	7451106
