

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA

STARRED QUESTION NO. *34

ANSWERED ON 08.12.2022

WORKS UNDER PMKSY

*34 DR. JAYANTA KUMAR ROY

SHRIMATI SANGEETA KUMARI SINGH DEO

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the Government has undertaken various works under the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY);
- (b) if so, the details of physical and financial progress made under PMKSY during the last three years, State-wise;
- (c) the details of works carried out and target set under Har Khet Ko Pani component of PMKSY, State-wise including Madhya Pradesh, Uttar Pradesh and Maharashtra;
- (d) the number of irrigation projects that have been identified and completed under PMKSY so far, State-wise;
- (e) whether the Government has conducted any study to ascertain the impact of the scheme on the agricultural production in the country along with the number of farmers benefited so far under PMKSY, and if so, the details thereof, State/UT-wise; and
- (f) the other steps taken/being taken by the Government for effective monitoring and implementation of the PMKSY?

ANSWER

THE MINISTER OF JAL SHAKTI
(SHRI GAJENDRA SINGH SHEKHAWAT)

- (a) to (f) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF STARRED QUESTION NO. *34 TO BE ANSWERED ON 08.12.2022 IN LOK SABHA REGARDING “WORKS UNDER PMKSY”

(a) Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) was launched during the year 2015-16 to enhance physical access of water on farm and expand cultivable area under assured irrigation, improve on-farm water use efficiency, introduce sustainable water conservation practices, etc.

PMKSY is an umbrella scheme, consisting of two major components being implemented by the Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, namely, Accelerated Irrigation Benefit Programme (AIBP), and Har Khet Ko Pani (HKKP). HKKP, in turn, consists of four sub-components: (i) Command Area Development & Water Management (CAD&WM); (ii) Surface Minor Irrigation (SMI); (iii) Repair, Renovation and Restoration (RRR) of Water Bodies; and (iv) Ground Water (GW) Development. In 2016, with the launching of revised AIBP format, CAD&WM sub-component of HKKP was taken up for pari passu implementation with AIBP.

In addition, PMKSY consists of two other components implemented by other Ministries. Per Drop More Crop (PDMC) component is being implemented by Department of Agriculture and Farmers Welfare, while Watershed Development component (WDC) of PMKSY is being implemented by Department of Land Resources.

Further, in December, 2021, implementation of PMKSY for the period 2021-22 to 2025-26 has been approved by Government of India with an overall outlay of Rs. 93,068.56 crore (central assistance of Rs. 37,454 crore, debt servicing to NABARD for Rs. 20,434.56 crore and an outlay for Rs. 35,180 crore by the State Governments towards State share). However, approval of Ground Water component under PMKSY-HKKP has provisionally been accorded till 2021-22, which has been extended subsequently till completion of ongoing works. Also, Per Drop More Crop component, which was earlier a component of PMKSY, is now being implemented separately.

(b) Details of physical and financial progress made under PMKSY during the last three years, State-wise is given in **Annexure-I**.

(c) For the period 2021-26, PMKSY-HKKP has been approved with the target for creation of 4.5 lakh hectare of irrigation potential through surface minor irrigation and repair, renovation and restoration of water bodies. Implementation of ground water component for completion of ongoing projects with irrigation potential of 82,290 hectare has also been provisioned. Further, CAD&WM component of PMKSY being implemented pari passu with AIBP targets completion of 85 ongoing CAD&WM major/ medium projects with coverage of cultivable command area of 30.23 lakh hectare during 2021-22 to 2025-26.

Works done under the different sub-components of PMKSY-HKKP during 2015-16 to 2021-22 in various States, including Madhya Pradesh, Uttar Pradesh and Maharashtra, are given at **Annexure-II**.

(d) Component-wise details of number of projects identified for funding and completed under PMKSY so far, State/UT-wise, are given in **Annexure-III**.

(e) Development Monitoring and Evaluation Office (DMEO) under NITI Ayog has carried out evaluation of PMKSY for the period 2015-2020. Most components of PMKSY have been ranked as satisfactory in terms of relevance, efficiency, impact and equity parameters of the performance.

Further, "The Performance and Impact of Micro Irrigation in Improving Water Use Efficiency in India's Agriculture: Study of the PMKSY-PDMC" has been carried out by Indian Institute of Management, Ahmedabad in the year 2021. It considered sample surveys in Maharashtra, Telangana, Uttar Pradesh, Madhya Pradesh and Sikkim. The study indicates that on an average there is 23% increase in the area irrigated through

micro irrigation than the conventional methods of irrigation in the area. The study has also concluded that production of the crop has increased substantially, to the tune of about 73%, with improved quality produce resulting in increase in sales revenue.

24.35 lakh hectare additional irrigation potential has been created during 2016-22 through PMKSY-AIBP while 5.58 lakh hectare additional irrigation potential has been created under PMKSY-HKKP. Considering 1.08 hectare of average size of operational holding identified by the irrigation census 2015-16, it is estimated that about 28 lakh farmers are benefitting through these schemes.

(f)The State Governments are mandated to monitor and ensure maintenance and quality control of irrigation projects implemented by them. In addition, the projects are regularly monitored by Central Water Commission, as well as by a dedicated Project Management Unit (PMU) under the Ministry of Jal Shakti. Physical and financial progress of these projects is also monitored through a dedicated dashboard, backed with a management information system maintained by this Ministry.

Apart from the above, implementation and progress of the projects is also monitored at the highest level in this Ministry.

As per guidelines of AIBP, a special cell for monitoring of the bottlenecks, and grievances pertaining to the projects receiving financial assistance under PMKSY-AIBP, has been provisioned. Further, third party evaluation of completed projects is also undertaken by this Ministry on sample basis.

ANNEXURE-I

ANNEXURE-I REFERRED TO IN THE REPLY TO PART (b) OF STARRED QUESTION NO *34 TO BE ANSWERED IN LOK SABHA ON 08.12.2022 REGARDING “WORKS UNDER PMKSY”

Physical and financial progress made under Pradhan Mantri Krishi Sinchai Yojana during last three years, i.e., 2019-20 to 2021-22

A. Accelerated Irrigation Benefit Programme (PMKSY-AIBP), with pari passu implementation of Command Area Development and Water Management (CAD&WM):-

S.No.	State/UT	In thousand hectare		Rupees in crore	
		Irrigation Potential created	Cultivable command area covered under CAD&WM	Central assistance released	Total expenditure
1	Andhra Pradesh	-	0.93	-	144.86
2	Assam	7.1	13.48	4	120.04
3	Bihar	8.63	6.53	26.1	128.21
4	Chhattisgarh	0.14	2.07	13.66	63.61
5	Goa	0.09	0.28	3.84	148.83
6	Gujarat	54.89	62.73	1,020.59	2,889.17
7	UT of Jammu & Kashmir	6.52	0.75	16.44	98.55
8	Jharkhand	0.61	-	-	754.42
9	Karnataka	3.27	7.34	409.77	996.54
10	Kerala	0.95	0.60	2.69	11.77
11	Madhya Pradesh	15.6	54.10	164.96	462.15
12	Maharashtra	142.6	60.05	947.71	7,380.63
13	Manipur	4.71	3.64	67.85	234.05
14	Odisha	23.45	21.89	201.51	2,054.15
15	Punjab	23.37	20.53	18.08	130.5
16	Rajasthan	0.07	32.34	203.39	189.3
17	Telangana	64.98	10.68	420.81	2,457.67
18	Uttar Pradesh	250.52	-	955.52	5,419.45
19	UT of Ladakh	-	-	1.62	1.07
	Total	607.5	297.94	4,476.92	23,683.90

B. PMKSY-AIBP (6 new AIBP projects added under PMKSY since 2021-22) :

S.No.	State/UT/ Project	Irrigation potential created (inth. ha)	Central assistance released (Rs. in cr.)	Expenditure 2021-22 (Rs. in cr.)
1	JiheKathapur project (Maharashtra)	7.90	6.48	47.20
2	Nadaun project (Himachal Pradesh)	-	2.25	2.50
3	Parwan multipurpose project (Rajasthan)	-	41.43	100.00
4	Kannadian channel (Tamil Nadu)	4.12	9.04	786.03
5	ERM of Sukla irrigation project (Assam)	-	-	-
6	ERM of Loktak LIS (Ph-I) (Manipur)	-	-	-
	Total	12.02	59.2	935.73

C. Pradhan Mantri Krishi Sinchai Yojana – Har Khet Ko Pani - Surface Minor Irrigation:

S. No.	State	Irrigation potential created (inth. ha.)	Central assistance released (Rs. in cr.)	Total expenditure incurred by project authority (Rs. in cr.)
1	Arunachal Pradesh	2.88	264.92	43.49
2	Assam	6.73	894.88	119.35
3	Bihar	9.96	26.79	18.88
4	Himachal Pradesh	16.83	268.02	290.32
5	J&K & Ladakh	2.24	166.17	99.42
6	Manipur	5.78	145.24	91.26
7	Meghalaya	11.49	179.76	205.17
8	Mizoram	2.08	23.66	21.50
9	Nagaland	1.98	97.34	20.46
10	Sikkim	0.83	28.16	18.45
11	Tripura	-	9.00	8.38
12	Uttarakhand	7.19	61.42	21.34
	Total	67.99	2,165.36	958.02

D. Pradhan Mantri Krishi Sinchai Yojana – Har Khet Ko Pani - Repair, Renovation and Restoration of water bodies :

S. No.	State	Irrigation potential created (in thousand hectare)	Central assistance released (Rs. in cr.)	Total expenditure incurred by project authority (Rs. in cr.)
1	Bihar	17.87	20.44	22.62
2	Gujarat	0.14	-	4.18
3	Manipur	-	24.26	21.39
4	Meghalaya	0.03	-	3.48
5	Odisha	1.46	34.54	-
6	Rajasthan	-	11.96	31.43
7	Tamil Nadu	0.92	35.43	39.99
8	Telangana	4.42	-	36.29
	Total	24.84	126.63	159.38

E. Pradhan Mantri Krishi Sinchai Yojana – Har Khet Ko Pani – Ground Water Dev. :

S. No	Projects	Wells to be constructed Target/ Achievement (nos.)	Project command Target/ Achievement (ha)	Beneficiaries Target/ Achievement (nos.)	Fund allocation (Rs. in cr.)
1	Assam-Ph-I	4,779 / 4,779	19116 / 19116	19,643 / 19,643	183.67
2	Assam Phase-II	4,916/ 4,916	19680/ 11216	17,216/ 11,777	252.29
3	Arunachal Pradesh-Ph-I	473 / 473	1785/ 1785	3,350/ 3,350	40.45
4	Arunachal Pradesh Ph –II	519/ 519	1957/ 1957	3,633/ 3,633	39.45
5	Nagaland	262/ 262	667/ 667	264/ 264	15.60
6	Tripura Ph-I	231/ 231	339/ 339	851/ 781	9.53
7	Tripura Ph-II	890/ 747	2670/ 265	1,639/ 235	26.10
8	Manipur	550/ 550	2057/ 2057	1,445/ 1445	54.40
9	Mizoram	209/ 82	553/ 128	411/ 168	8.66
10	Uttar Pradesh	14,752/ 13,361	28058/ 19105	15,252/ 13,849	16.69
11	Uttarakhand	206/ 202	1030/ 255	1,075/ 284	13.72
12	Gujarat	2,512/ 588	3768/ 478	3,655/ 604	34.50
13	Tamil Nadu	166/ 147	610/ 374	1,233/ 866	5.28
	Total	30,375/ 26,857	82,290/ 57,742	69,667/ 56,899	700.34

F. Pradhan Mantri Krishi Sinchai Yojana – Per Drop More Crop :

S. No.	States	Area covered under micro irrigation (in thousand hectare)	Central assistance released (Rs. in cr.)
1	Andhra Pradesh	136.73	732.00
2	Bihar	7.33	21.60
3	Chhattisgarh	64.96	77.15
4	Goa	0.42	0.50
5	Gujarat	287.77	625.79
6	Haryana	78.14	172.40
7	Himachal Pradesh	4.62	55.50
8	Jharkhand	12.77	94.97
9	Jammu & Kashmir	1.10	37.00
10	Karnataka	907.82	1310.00
11	Kerala	1.36	5.00
12	Madhya Pradesh	102.20	227.00
13	Maharashtra	334.45	825.00
14	Odisha	52.42	57.00
15	Punjab	5.40	0.00
16	Rajasthan	206.00	375.00
17	Tamil Nadu	579.97	1039.00
18	Telangana	51.39	0.00
19	Uttarakhand	14.62	112.00
20	Uttar Pradesh	148.99	450.00
21	West Bengal	51.01	81.00
22	Arunachal Pradesh	9.91	83.00
23	Assam	30.45	73.00
24	Manipur	9.90	127.50
25	Meghalaya	0.00	15.00
26	Mizoram	3.29	86.00
27	Nagaland	9.87	138.00
28	Sikkim	8.44	108.80
29	Tripura	3.41	31.20
30	Uts	-	2.40
31	HQ	-	95.52
	Total	3,124.74	7,058.33

G. Pradhan Mantri Krishi Sinchai Yojana – Water Conservation :

S. No.	State	Area brought under protective irrigation (in Th. Ha.)	Total Expenditure (Rs. in cr.)
1	Andhra Pradesh	36.02	280.63
2	Arunachal Pradesh	2.14	114.67
3	Assam	26.94	291.49
4	Bihar	8.31	186.77
5	Chhattisgarh	11.35	187.17
6	Gujarat	7.87	278.13
7	Haryana	5.9	61.61
8	Himachal Pradesh	1.39	89.73
9	Jharkhand	2.23	94.21
10	Karnataka	10.43	161.4
11	Kerala	13.34	95.58
12	Madhya Pradesh	62.36	598.31
13	Maharashtra	49.96	304.05
14	Manipur	0.30	22.79
15	Meghalaya	0.17	13.46
16	Mizoram	1.56	37.62
17	Nagaland	2.11	158.55
18	Odisha	13.33	263.59
19	Punjab	0.33	16.14
20	Rajasthan	42.98	1,152.86
21	Sikkim	0	2.53
22	Tamil Nadu	7.18	112.72
23	Telangana	24.45	242.99
24	Tripura	0.58	58.7
25	Uttar Pradesh	0	33.62
26	Uttarakhand	0.12	12.27
27	West Bengal	6.69	200.55
1	UT of J&K	18.03	148.42
2	UT of Ladakh	0.19	2.07
Total		356.26	5,222.63

ANNEXURE-II

ANNEXURE-II REFERRED TO IN THE REPLY TO PART (c) OF STARRED QUESTION NO *34 TO BE ANSWERED IN LOK SABHA ON 08.12.2022 REGARDING “WORKS UNDER PMKSY”

Works done in various States of the country including Madhya Pradesh, Uttar Pradesh and Maharashtra during 2015-16 to 2021-22 under Pradhan Mantri Krishi Sinchayee Yojana – Har Khet Ko Pani

S. No.	State/UT	Irrigation potential created in thousand hectare		Ground Water (no. of wells completed)
		Surface Minor Irrigation	Repair, Renovation & Restoration of water bodies	
1.	Andhra Pradesh	-	-	-
2.	Assam	122.77	-	9,695
3.	Bihar	46.93	17.87	-
4.	Chhattisgarh	17.87	-	-
5.	Gujarat	-	0.14	588
6.	UTs of J&K and Ladakh	31.66	-	-
7.	Jharkhand	6.09	-	-
8.	Karnataka	11.94	-	-
9.	Madhya Pradesh	34.90	22.00	-
10.	Maharashtra	-	-	-
11.	Manipur	14.29	-	550
12.	Odisha	-	46.96	-
13.	Rajasthan	-	10.19	-
14.	Telangana	-	15.47	-
15.	Uttar Pradesh	-	2.35	13,361
16.	Arunachal Pradesh	8.43	-	992
17.	Himachal Pradesh	22.22	-	-
18.	Meghalaya	18.46	0.88	-
19.	Mizoram	2.22	-	82
20.	Nagaland	7.41	-	262
21.	Sikkim	4.18	-	-
22.	Tripura	0.00	-	978
23.	Uttarakhand	20.24	-	202
24.	Tamil Nadu	-	4.11	147
	Total	369.61	119.97	26,857

ANNEXURE-III**ANNEXURE-III REFERRED TO IN THE REPLY TO PART (d) OF STARRED QUESTION NO *34 TO BE ANSWERED IN LOK SABHA ON 08.12.2022 REGARDING “WORKS UNDER PMKSY”****PMKSY-AIBP, with pari passu implementation of CADWM: Number of Projects identified and completed so far**

Sl. No.	State/UT	No. of Irrigation Projects funded	No. of Irrigation Projects completed
1	Andhra Pradesh	8	1
2	Assam	3+1*	1
3	Bihar	2	0
4	Chhattisgarh	3	2
5	Goa	1	0
6	Gujarat	1	0
7	Himachal Pradesh	1*	0
8	UT of Jammu & Kashmir	3	3
9	Jharkhand	1	0
10	Karnataka	5	3
11	Kerala	2	0
12	Madhya Pradesh	21	17
13	Maharashtra	26+1*	9
14	Manipur	2+1*	1
15	Odisha	8	5
16	Punjab	2	2
17	Rajasthan	2+1*	2
18	Tamil Nadu	1*	0
19	Telangana	11	3
20	Uttar Pradesh	4	1
21	UT of Ladakh	1	0
	Total	106+6*	50

* Newly included AIBP projects after approval of PMKSY for implementation during 2021-26.

PMKSY-HKPP : SMI: Number of Schemes identified and completed so far

S. No.	State/UT	No. of schemes funded	No. of schemes completed
1.	Assam	1,110	530
2.	Bihar	176	53
3.	Chhattisgarh	147	33
4.	UTs of J&K and Ladakh	419	141
5.	Jharkhand	82	56
6.	Karnataka	465	119
7.	Madhya Pradesh	276	49
8.	Manipur	477	102
9.	Arunachal Pradesh	919	144
10.	Himachal Pradesh	168	103
11.	Meghalaya	335	96
12.	Mizoram	45	0
13.	Nagaland	917	76
14.	Sikkim	690	381

15.	Tripura	58	29
16.	Uttarakhand	1,073	494
	Total	7,357	2,406

PMKSY-HKKP : RRR: Number of Water Bodies identified and completed so far

S. No.	State/UT	No. of Water Bodies being funded	No. of Water Bodies completed
1.	Andhra Pradesh	100	-
2.	Bihar	93	6
3.	Gujarat	61	3
4.	Madhya Pradesh	125	42
5.	Manipur	4	-
6.	Meghalaya	9	8
7.	Odisha	863	440
8.	Rajasthan	105	63
9.	Tamil Nadu	367	193
10.	Telangana	575	371
11.	Uttar Pradesh	74	8
	Total	2,376	1,134

PMKSY-HKKP: GW: Projects sanctioned and completed so far

S. No.	State/UT	No. of Projects funded	No. of Projects completed
1.	Assam	2	2
2.	Arunachal	2	2
3.	Nagaland	1	1
4.	Tripura	2	1
5.	Manipur	1	1
6.	Mizoram	1	0
7.	Uttar Pradesh	1	0
8.	Uttarakhand	1	0
9.	Gujarat	1	0
10.	Tamil Nadu	1	0
	Total	13	7

PMKSY- PDMC: Area covered under Micro Irrigation from 2015-16 to 2022-23 (so far)

S. No.	State	Total in thousand hectare
1	Andhra Pradesh	790.56
2	Bihar	23.20
3	Chhattisgarh	128.33
4	Goa	0.87
5	Gujarat	919.77
6	Haryana	132.39
7	Himachal Pra.	10.49
8	Jharkhand	28.63

9	J&K	1.10
10	Karnataka	1582.41
11	Kerala	4.55
12	Madhya Pradesh	306.71
13	Maharashtra	803.71
14	Odisha	73.06
15	Punjab	11.28
16	Rajasthan	476.86
17	Tamil Nadu	939.77
18	Telangana	303.14
19	Uttarakhand	26.67
20	Uttar Pradesh	285.05
21	West Bengal	73.01
22	Arun. Pradesh	9.98
23	Assam	33.60
24	Manipur	11.50
25	Meghalaya	-
26	Mizoram	4.52
27	Nagaland	9.87
28	Sikkim	9.21
29	Tripura	3.41
	Grand Total	7003.65

PMKSY-WDC: Projects sanctioned and completed so far

Sl.No.	State	No. of projects funded	Projects reported as completed
1	Andhra Pradesh	373	260
2	Arunachal Pradesh	114	36
3	Assam	280	280
4	Bihar	64	64
5	Chhattisgarh	208	181
6	Gujarat	489	430
7	Haryana	75	47
8	Himachal Pradesh	131	77
9	UT of Jammu & Kashmir	119	37

10	UT of Ladakh	11	-
11	Jharkhand	143	92
12	Karnataka	429	405
13	Kerala	69	41
14	Madhya Pradesh	446	446
15	Maharashtra	1,024	810
16	Manipur	61	60
17	Meghalaya	61	61
18	Mizoram	49	49
19	Nagaland	111	111
20	Odisha	234	220
21	Punjab	33	33
22	Rajasthan	820	601
23	Sikkim	6	6
24	Tamil Nadu	270	270
25	Telangana	276	191
26	Tripura	56	48
27	Uttar Pradesh	249	249
28	Uttarakhand	62	61
29	West Bengal	119	77
30	Goa	-	-
	Total	6,382	5,243
