

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 770
ANSWERED ON 06.02.2020

SHORTAGE OF WATER

770. SHRI MANOJ KOTAK

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether it is a fact that there has been acute shortage of water in many parts of the country especially in Maharashtra since the last five years and if so, the details thereof;
- (b) whether the Union Government has received any proposals from the State Governments including Maharashtra regarding financial assistance for providing water or to increase the water level;
- (c) if so, the action taken by the Union Government in this regard; and
- (d) the State-wise details of quantum of funds released during the last three years to resolve the water scarcity in the country?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI & SOCIAL JUSTICE AND EMPOWERMENT

(SHRI RATTAN LAL KATARIA)

(a) The average annual water availability of any region or country is largely dependent upon hydro-meteorological and geological factors. However, water availability per person is dependent on population of the country and for India, per capita water availability in the country is reducing due to increase in population. Due to high temporal and spatial variation of precipitation, the water availability of many regions of the country is much below the national average and may result in water stress / scarce conditions.

(b) to (d) Water being a State subject, steps for augmentation, conservation and efficient management of water resources are primarily undertaken by the respective State Governments. In order to supplement the efforts of the State Governments, Central Government provides technical and financial assistance to them through various schemes and programmes.

During 2016-17, ninety-nine (99) on-going Major/Medium irrigation projects under Pradhan Mantri Krishi Sinchai Yojana - Accelerated Irrigation Benefits Programme (PMKSY-AIBP), having ultimate irrigation potential of 76.03 lakh hectare, have been prioritized for completion in consultation with States. Funding mechanism through NABARD has also been approved by the Government for both Central and State share of all prioritized projects. Central assistance is released from time to time as per requirement. Details of central assistance released for last 3 years and current year under PMKSY-AIBP is at **Annexure-I**.

Further, a special package for completion of 8 Major and Medium Irrigation (MMI) and 83 Surface Minor Irrigation (SMI) projects in drought prone districts in Vidarbha and Marathwada and rest of Maharashtra, having estimated balance cost of Rs.13,651.61 crore as on 01.04.2018, has been approved during 2018-19. Central assistance component amounts to Rs.3831.41 crore. Central assistance of Rs.800 crore [Rs.500 crore in 2018-19 and Rs. 300 crore in 2019-20 (so far)] has been released to the Government of Maharashtra under this package.

Department of Land Resources, Ministry of Rural Development has sanctioned 8214 watershed development projects in states/UTs from 2009-10 to 2014-15 covering an area of about 39.07 million hectare under Integrated Watershed Management Programme (IWMP) which was amalgamated as the Watershed Development Component (WDC) of PMKSY in 2015-16. The activities being undertaken through the watershed development projects inter alia include ridge area treatment, drainage line treatment, soil and moisture conservation, rain water harvesting, afforestation, horticulture, etc. The State wise details of funds released as Central share to States under WDC-PMKSY are given at **Annexure-II**.

Command Area Development (CAD) works through CADWM Programme of Government of India are being implemented with the main objective of taking up CAD works to enhance utilisation of irrigation potential created, and improve agriculture production on a sustainable basis. The programme has been brought under Pradhan Mantri Krishi Sinchai Yojna (PMKSY) 2015-16 onwards. During 2016-17 to 2019-20 (up to December, 2019), total Central Assistance amounting to Rs 2544.25 crore has been released. During 2016-17 to 2019-20 (up to December, 2019), central assistance amounting to Rs 73.77 crore has been released to the State of Maharashtra.

Department of Agriculture Cooperation & Farmers Welfare is implementing Per Drop More Crop component of PMKSY which is operational from 2015-16. The PMKSY- Per Drop More Crop (PDMC) mainly focuses on enhancing water use efficiency at farm level through precision/micro irrigation (Drip and Sprinkler Irrigation). Besides promoting precision irrigation and better on-farm water management practices to optimize the use of available water resources, this component also supports micro level water storage or water conservation/management activities to supplement Micro Irrigation. State wise funds released for micro irrigation under PDMC-PMKSY from 2015-16 to 2019-20 (as on 20.01.2020) is given at **Annexure-III**.

Government of India has launched Atal Mission for Rejuvenation and Urban Transformation (AMRUT) on 25th June, 2015 in select 500 cities across the country for a period of five years i.e. from 2015-16 to 2019-20 with focus on development of basic civic amenities in the Mission cities. Under the water supply component of the Mission, projects related to rain water harvesting, rejuvenation of water bodies specifically for drinking water supply, recharging of ground water, etc., can be taken up by the

States/UTs to enhance water supply in the Mission cities. Under AMRUT the projects are selected, appraised, approved and implemented by the states/UTs. Central Government only approves the State Annual Action Plans (SAAPs) submitted by the states and releases central assistance as per Mission guidelines. SAAPs of all the states for entire Mission period have already been approved. So far as State of Maharashtra is concerned, 44 cities have been selected under AMRUT.

SAAP size of State of Maharashtra is Rs.7,759.32 crore, including committed Central Assistance of Rs. 3534.08 crore, of which Rs.3,769 crore have been allocated for water supply projects. During last three years and current year, State-wise funds released to states/UTs is given at **Annexure-IV**.

Government of India has launched Jal Jeevan Mission (JJM) with an outlay of Rs.3.60 lakh crore, with a Central share of Rs. 2.08 lakh crore, to provide Functional Household Tap Connections (FHTCs) to every rural household by 2024. During the current financial year, Government of India has already released first instalment to all the states/UTs. For the State of Maharashtra, Rs. 847.97 crore have been allocated, out of which Rs. 345.28 crore has been released as first instalment. Moreover, once the States utilizes the available funds, it can seek 2nd instalment.

Government of India has approved Atal Bhujal Yojana (Atal Jal), a Rs. 6000 Crore Central Sector Scheme, for sustainable management of ground water resources with community participation in water stressed blocks of Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. Tentative allocation for the State of Maharashtra is Rs. 925.77 crore. The scheme is being implemented during 2020-21 to 2024-25 with the financial assistance of World Bank with a sharing pattern of 50:50 between Government of India and World Bank.

Annexure - I

Annexure referred to in reply to part (b) to (d) of Lok Sabha Unstarred Question No. 770 to be answered on 06.02.2020 regarding “Shortage of Water”.

(Rs. in crore)

Sl. No.	STATE	AIBP			
		Central Assistance Released			
		2016-17	2017-18	2018-19	2019-20*
1	Andhra Pradesh	7.40	15.23	0.00	0.00
2	Assam	0.00	0.00	0.00	
3	Bihar	0.00	46.32	37.82	11.98
4	Chhattisgarh	13.29	17.25	0.00	4.09
5	Goa	0.00	0.00	0.00	
6	Gujarat	961.88	1410.49	1047.29	485.35
7	Jammu & Kashmir	0.00	9.57	16.92	5.88
8	Jharkhand	145.75	305.10	305.88	
9	Karnataka	135.46	459.52	197.00	163.42
10	Kerala	0.00	0.00	0.00	
11	Madhya Pradesh	300.13	181.27	81.01	26.45
12	Maharashtra	379.86	363.02	527.54	291.68
13	Manipur	126.99	25.42	21.93	30.50
14	Odisha	457.74	464.71	119.38	90.65
15	Punjab	52.42	0.00	0.00	
16	Rajasthan	45.89	216.87	95.15	7.04
17	Telangana	545.44	13.24	1.99	214.04
18	Uttar Pradesh	135.63	65.60	397.16	407.68
	Total	3307.88	3593.61	2849.07	1738.76

*so far

Annexure referred to in reply to part (b) to (d) of Lok Sabha Unstarred Question No. 770 to be answered on 06.02.2020 regarding “Shortage of Water”.

State-wise details of funds released as Central share under WDC-PMKSY

(Area in million ha, Amount in Rs. crore)

S No.	State	Central share released (2009-10 to 2019-20 [#])
1	Andhra Pradesh	1107.13
2	Arunachal Pradesh	300.04
3	Assam	492.75
4	Bihar	203.04
5	Chhattisgarh	330.35
6	Gujarat	1288.64
7	Haryana	101.94
8	Himachal Pradesh	283.58
9	Jammu & Kashmir	230.82
10	Jharkhand	191.52
11	Karnataka	1894.70
12	Kerala	128.69
13	Madhya Pradesh	1631.15
14	Maharashtra	2413.95
15	Manipur	149.10
16	Meghalaya	174.22
17	Mizoram	275.06
18	Nagaland	636.85
19	Odisha	1041.85
20	Punjab	60.42
21	Rajasthan	2534.70
22	Sikkim	22.08
23	Tamil Nadu	924.94
24	Telangana*	590.30
25	Tripura	210.96
26	Uttarakhand	131.08
27	Uttar Pradesh	808.49
28	West Bengal	271.02
	Total	18429.37

As on 31.12.2019 including releases under the erstwhile IWMP.

Note: 1) WDC-PMKSY is not operational in the Union Territories.

2) There is no sanctioned project in Goa.

Annexure – III

Annexure referred to in reply to part (b) to (d) of Lok Sabha Unstarred Question No. 770 to be answered on 06.02.2020 regarding “Shortage of Water”.

Fund released for micro irrigation under PDMC-PMKSY from 2015-16 to 2019-20 (so far)
(Rs. in crore)

S No.	States	2015-16	2016-17	2017-18	2018-19	2019-20 (as on 20.1.20)
1	Andhra Pradesh	206.47	308.69	517.1	520.00	252.0
2	Bihar	28.6	21.6	12.5	27.91	
3	Chhattisgarh	20.3	44.8	55	43.39	
4	Goa	0.3	0.8	0	1.20	
5	Gujarat	213.05	274	300	272.50	180.0
6	Haryana	34.97	27	14.01	27.41	
7	Himachal Pradesh	7.6	8.5	19.25	26.00	18.0
8	Jharkhand	14.97	30.7	25	10.00	
9	Jammu & Kashmir	4.87	5.4	3	7.80	5.5
10	Karnataka	213.12	229	385	372.03	192.0
11	Kerala	8.53	0	25	4.00	
12	Madhya Pradesh	161.74	121.1	150	132.56	102.0
13	Maharashtra	107.26	305.7	362.5	360.00	174.0
14	Odisha	28.7	39.7	48	58.00	30.0
15	Punjab	43	1.18	0	9.00	
16	Rajasthan	142.84	129	107.5	168.48	75.0
17	Tamil Nadu	129.78	143.5	369.55	355.00	204.0
18	Telangana	111.32	189	257	122.00	
19	Uttarakhand	9.6	15	27.2	43.00	19.2
20	Uttar Pradesh	37.51	41.4	55	87.88	48.58
21	West Bengal	4.8	19.9	31	40.00	20.0
22	Arunachal Pradesh	2.6	2	8.3	12.50	18.0
23	Assam	5.03	11	3	30.00	
24	Manipur	2.76	3.6	7.5	40.00	15.0
25	Meghalaya	1.43	0	3.3	12.00	
26	Mizoram	3.27	8.1	12.3	27.80	27.0
27	Nagaland	2.34	4.5	11.8	35.00	30.0
28	Sikkim	4.86	5.4	4	55.19	31.8
29	Tripura	1.55	0	3.75	15.00	18.0
30	UTs	2.23	0	0.5		
	Grand Total (including HQ expenditure)	1556.73	1991.24	2819.49	2918.38	1460.08

Annexure-IV

Annexure referred to in reply to part (b) to (d) of Lok Sabha Unstarred Question No. 770 to be answered on 06.02.2020 regarding “Shortage of Water”.

Year-wise details of project funds released under AMRUT

(Rs. in crore)

S No.	Name of State / UT	2016-17	2017-18	2018-19	2019-20*
1	Andaman & Nicobar Islands	0.64	0.72	0.81	4.32
2	Andhra Pradesh	70.32	397.90	91.39	246.69
3	Arunachal Pradesh	8.40	0.00	9.48	17.63
4	Assam	70.16	0.00	0.00	0.00
5	Bihar	77.52	89.02	136.98	0.00
6	Chandigarh	6.61	4.21	16.13	26.32
7	Chhattisgarh	61.72	84.94	205.95	145.67
8	Dadra & Nagar Haveli	0.72	0.00	0.76	4.27
9	Daman & Diu	0.00	2.06	1.54	0.00
10	Delhi	53.15	62.70	0.00	151.55
11	Goa	6.96	8.01	0.00	0.00
12	Gujarat	119.84	181.30	104.78	1074.58
13	Haryana	50.88	58.22	0.00	289.71
14	Himachal Pradesh	18.24	20.69	30.58	60.23
15	Jammu & Kashmir (including Ladakh)	35.52	198.86	0.00	154.35
16	Jharkhand	33.16	52.48	84.00	135.22
17	Karnataka	154.32	325.09	544.01	710.54
18	Kerala	77.28	97.36	0.00	194.74
19	Lakshadweep	0.38	0.35	0.00	0.70
20	Madhya Pradesh	172.56	211.61	952.71	925.00
21	Maharashtra	235.20	288.63	825.71	0.00
22	Manipur	10.80	12.40	63.75	0.00
23	Meghalaya	4.80	0.00	0.00	0.00
24	Mizoram	8.40	9.54	49.21	0.00
25	Nagaland	7.20	0.00	8.14	12.03
26	Odisha	53.04	295.48	78.25	312.83
27	Puducherry	4.32	4.87	0.00	0.00
28	Punjab	80.16	0.00	96.96	0.00
29	Rajasthan	105.22	111.27	419.13	143.91
30	Sikkim	2.40	2.39	0.00	5.30
31	Tamil Nadu	316.56	360.27	735.43	0.00
32	Telangana	55.44	70.23	135.49	178.82
33	Tripura	8.88	11.21	0.00	0.00
34	Uttar Pradesh	327.60	375.08	260.00	226.03
35	Uttarakhand	35.52	44.49	42.74	49.21
36	West Bengal	128.40	146.98	445.14	153.30
Total		2402.32	3528.36	5339.07	5222.94

** Data as on 31.01.2020*
