

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

LOK SABHA

UNSTARRED QUESTION NO. 160

ANSWERED ON 20.07.2023

RAIN WATER CONSERVATION PROGRAMME

160. DR. NISHIKANT DUBEY SHRI MANOJ TIWARI

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) whether the Government has taken adequate measures for effective implementation of Rain Water Conservation Programme and if so, the details thereof;
- (b) the financial assistance given to various States under this programme, especially Jharkhand and Delhi during each of the last three years and the current year;
- (c) whether the Government has undertaken any work/project for desilting of check dams to rejuvenate its capacity for conservation of rain water and if so, the details thereof; and
- (d) whether the Government has fixed any target to increase the water storage capacity in the country and if so, the details thereof including the schemes formulated by the Government to achieve the said target?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) & (b) Water is a State subject and the Central Government supplements the efforts of the States on water conservation and recharge, including rainwater conservation and its harvesting, through technical and financial support. However, Government of India is implementing various schemes for rainwater conservation and its harvesting with the convergence of Central and States' schemes including people's active participation. One of the such major initiatives of Government of include 'Jal Shakti Abhiyan' (JSA) in 1,592 blocks of 256 water-stressed districts of the country which has become an annual feature with the convergence of Central and States' schemes as Jal Shakti Abhiyan: Catch The Rain (JSA: CTR) Campaign since 2021. Fourth in the series, JSA: CTR 2023 has been launched on 04.03.2023 with the theme "Source Sustainability for Drinking Water". The campaign covers all rural and urban areas of all districts (all blocks and municipalities) across the country.

Apart from JSA:CTR, Central Government's other initiatives for rainwater conservation are in place through National Water Policy, Atal Mission for Rejuvenation and Urban Transformation 2.0 (AMRUT 2.0), Pradhan Mantri Krishi Sinchayee Yojana (PMKSY), Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Central Ground Water Authority regulations etc.

- I. Department of Rural Development is implementing Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) which has provision for works relating to water conservation and water harvesting structures. The details of water conservation & water harvesting works completed and its expenditure under Mahatma Gandhi NREGS during last three financial years and current year financial year 2023-24 is at **Annexure I**.
- II. The Department of Land Resources (DoLR) is mandated to implement Watershed Development Component of Pradhan Mantri Krishi Sinchayee Yojana (WDC-PMKSY) which primarily focuses on development rainfed/degraded lands. 'Rain Water conservation' is one of the activities in the scheme. WDC-PMKSY 1.0 was implemented from 2015-16 to 2021-22 and Central assistance was provided to 28 States including **Jharkhand** (except Goa) [now 27 States and UTs of J & K and Ladakh). **NCT of Delhi** had not submitted any project proposal seeking Central assistance for watershed projects; therefore there was no watershed projects sanctioned in NCT of Delhi. Details of release of Central funds to **States including Jharkhand** during last three years and current year are given at **Annexure II**.
- III. Ministry of Housing and Urban Affairs has taken several steps towards sustainable management of water in urban areas through issuance of various guidelines and implementation of National Missions i.e., Atal Mission for Rejuvenation and Urban Transformation (AMRUT) & AMRUT 2.0. Under AMRUT, ULBs/States may take up projects of rainwater harvesting under water supply sector as per assessment/prioritization. So far, States/UTs have taken up 7 rainwater harvesting projects worth ₹9.19 crore out of which 4 projects worth ₹3.42 crore have been completed. The details of project are at **Annexure III**.
- IV. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) was launched during the year 2015-16, with an aim 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, namely, Accelerated Irrigation Benefits Programme (AIBP), and Har Khet Ko Pani (HKKP). HKKP 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 component. The central assistance released during last three years concerned with RRR & SMI schemes are attached as **Annexure IV & V**, respectively.
- V. Model Building Bye Laws (MBBL) 2016 circulated by the Ministry of Housing & Urban Affairs include provisions for Rainwater Harvesting which has been shared with all the States/UTs

(c) Works related to repair, renovation and restoration of water bodies, their protection from encroachment, or diversion for use for other purposes, comes under the purview of the State Government concerned. However, Government of India provides partial central assistance for Repair, Renovation and Restoration (RRR) of Water Bodies to promote sustainable water conservation practices. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) was launched during 2015-2016 with the aim 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. Har Khet Ko Pani (HKKP) is one of the components of PMKSY. The scheme of RRR of Water Bodies has become a part of PMKSY-HKKP. Intensive cleaning and desilting of ponds, catchment area treatment to avoid soil erosion and protection work to avoid encroachment are some of the objectives of RRR of water bodies.

(d) Increasing water storage capacity is a continuous process and constant endeavour of the Government involving convergence of various Central & State Government schemes. However, Master Plan for Artificial Recharge to Groundwater- 2020 has been prepared by Central Ground Water Board (CGWB) in consultation with States/UTs which is a macro level plan indicating various structures for the different terrain conditions of the country including estimated cost. The Master Plan has provisions for construction of about 1.42 crore Rain water harvesting and artificial recharge structures in the country to harness 185 Billion Cubic Metre (BCM) of monsoon rainfall.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 160 ANSWERED IN LOK SABHA ON 20.07.2023 REGARDING "RAIN WATER CONSERVATION PROGRAMME".

Details of water conservation & water harvesting works completed and its expenditure under Mahatma Gandhi NREGS during last three financial years and current year financial year 2023-24 (as on 13th July 2023).

SI. No	State/UT	2020-21	
		Completed	
		No. of works	Expenditure (Rs. in Lakh)
1	Andaman and Nicobar	11	32.64
2	Andhra Pradesh	39357	112657.11
3	Arunachal Pradesh	125	1707.86
4	Assam	1844	23929.78
5	Bihar	21078	40387.41
6	Chhattisgarh	20742	89894.69
7	Dadra and Nagar Haveli and Daman and Diu	0	0
8	Goa	34	37.99
9	Gujarat	9930	26957.93
10	Haryana	1119	5829.18
11	Himachal Pradesh	5589	5876.44
12	Jammu And Kashmir	4964	5060.83
13	Jharkhand	18244	16812.1
14	Karnataka	27283	107742.05
15	Kerala	35401	113326.73
16	Ladakh	16	67.14
17	Lakshadweep	0	0
18	Madhya Pradesh	66764	313293.87
19	Maharashtra	5779	21268.64
20	Manipur	2696	16000.78
21	Meghalaya	4070	16962.94
22	Mizoram	744	2358.25
23	Nagaland	319	3387.47
24	Odisha	7647	68993.38
25	Puducherry	76	765.37
26	Punjab	596	1369
27	Rajasthan	13530	234927.47
28	Sikkim	843	903.89
29	Tamil Nadu	59764	455675.28
30	Telangana	17302	49037.71
31	Tripura	6688	14827.04
32	Uttar Pradesh	38686	108468.89
33	Uttarakhand	8851	10789.07
34	West Bengal	19314	49297.03
	Total	439406	1918645.96

Source: Department of Rural Development

SI. No.	State	2021-22	
		Completed	
		No. of works	Expenditure (Rs. lakh)
1	Andaman and Nicobar	6	10.37
2	Andhra Pradesh	22855	92982.94
3	Arunachal Pradesh	125	1529.66
4	Assam	6370	25270.52
5	Bihar	37640	35487.52
6	Chhattisgarh	21132	70477.55
7	Dadra and Nagar Haveli and Daman and Diu	0	0
8	Goa	22	30.23
9	Gujarat	7943	32624.03
10	Haryana	1433	3839.58
11	Himachal Pradesh	4922	5242.79
12	Jammu And Kashmir	4626	3513.19
13	Jharkhand	15762	10835.23
14	Karnataka	39110	112987.77
15	Kerala	36163	135455.31
16	Ladakh	34	103.32
17	Lakshadweep	1	0
18	Madhya Pradesh	84264	257430.45
19	Maharashtra	7237	19924.76
20	Manipur	1444	11651.06
21	Meghalaya	1871	4920.82
22	Mizoram	1224	3515.39
23	Nagaland	128	2486.5
24	Odisha	16315	68605.65
25	Puducherry	31	202.94
26	Punjab	736	1316.66
27	Rajasthan	18823	157074.97
28	Sikkim	835	824.87
29	Tamil Nadu	96601	549052.68
30	Telangana	32840	45401.17
31	Tripura	7100	12533.99
32	Uttar Pradesh	29697	43994.49
33	Uttarakhand	6279	6363.92
34	West Bengal	32643	10444.98
	Total	536212	1726135.3

Source: Department of Rural Development

SI. No.	State	2022-23	
		Completed	
		No. of works	Expenditure (Rs. lakh)
1	Andaman And Nicobar	12	16.38
2	Andhra Pradesh	27783	24563.81
3	Arunachal Pradesh	46	580.76
4	Assam	5246	5551.16
5	Bihar	16757	26133.7
6	Chhattisgarh	18809	26612.26
7	Dadra and Nagar Haveli and Daman and Diu	0	0
8	Goa	16	27.76
9	Gujarat	8967	19709.05
10	Haryana	460	651.5
11	Himachal Pradesh	6518	4784.59
12	Jammu And Kashmir	4561	2522.64
13	Jharkhand	11889	4405.07
14	Karnataka	61798	78413.21
15	Kerala	65196	84898.1
16	Ladakh	114	107.53
17	Lakshadweep	3	0
18	Madhya Pradesh	74898	142778.27
19	Maharashtra	6597	15668.52
20	Manipur	295	1024.92
21	Meghalaya	1555	2890.46
22	Mizoram	1291	4569.45
23	Nagaland	142	3468.79
24	Odisha	30161	35073.16
25	Puducherry	73	495.19
26	Punjab	650	815.66
27	Rajasthan	23366	48981.22
28	Sikkim	723	551
29	Tamil Nadu	100654	491268.96
30	Telangana	18138	17605.75
31	Tripura	4453	3972.72
32	Uttar Pradesh	53081	46200.74
33	Uttarakhand	12931	6230.73
34	West Bengal	5520	191.91
	Total	562703	1100765

Source: Department of Rural Development

SI. No.	State	2023-24 (as on 13.07.2023)	
		Completed	
		No. of works	Expenditure (Rs. in lakh)
1	Andaman And Nicobar	20	16.69
2	Andhra Pradesh	6563	2083.31
3	Arunachal Pradesh	0	0
4	Assam	1717	705.8
5	Bihar	8492	4726.99
6	Chhattisgarh	6485	2578
7	Dadra and Nagar Haveli and Daman and Diu	0	0
8	Goa	1	0.63
9	Gujarat	1494	1254.88
10	Haryana	48	26.7
11	Himachal Pradesh	1089	281.21
12	Jammu And Kashmir	802	298.05
13	Jharkhand	3951	514.88
14	Karnataka	12257	3042.97
15	Kerala	17790	2211.86
16	Ladakh	13	1.24
17	Lakshadweep	0	0
18	Madhya Pradesh	22283	12798.77
19	Maharashtra	1237	2199.73
20	Manipur	2	0.94
21	Meghalaya	321	182.82
22	Mizoram	224	476.1
23	Nagaland	73	735.56
24	Odisha	6710	882.26
25	Puducherry	15	84.98
26	Punjab	231	55.38
27	Rajasthan	4667	381.02
28	Sikkim	99	3.99
29	Tamil Nadu	30523	87592.13
30	Telangana	1947	656.66
31	Tripura	827	144.92
32	Uttar Pradesh	9891	1593.64
33	Uttarakhand	2279	278.65
34	West Bengal	164	0.71
	Total	142215	125811.47

Source: Department of Rural Development

ANNEXURE II

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 160 ANSWERED IN LOK SABHA ON 20.07.2023 REGARDING "RAIN WATER CONSERVATION PROGRAMME".

Details of Central funds released during last three years and current year under Watershed Development Component of Pradhan Mantri Krishi Sinchayee Yojana (WDC-PMKSY)

Sl. No.	State	Central share released (Rs. in crore)			
		WDC-PMKSY 1.0	WDC-PMKSY 2.0		
		2020-21	2021-22	2022-23	2023-24
1	Andhra Pradesh	43.89	45.74	42.11	
2	Arunachal Pradesh	5.80	22.98	70.08	25.95
3	Assam	169.26	16.48	54.02	19.03
4	Bihar		112.94	0.0	0.52
5	Chhattisgarh		23.012	40.285	25.20
6	Goa*	-	2.098	0	2.29
7	Gujarat		25.79	51.32	
8	Haryana	13.68	3.022	3.02	3.09
9	Himachal Pradesh		8.505	12.86	
10	Jharkhand	41.91	27.27	23.18	
11	Karnataka	6.162	119.83	96.96	27.80
12	Kerala		13.24	0	
13	Madhya Pradesh	84.90	75.03	257.62	
14	Maharashtra		50.08	108.55	
15	Manipur		9.24	0	
16	Meghalaya		60.799	0	
17	Mizoram		7.024	21.42	7.19
18	Nagaland	3.53	13.62	12.88	3.45
19	Odisha	1.75	123.18	45.385	
20	Punjab		3.031	5.30	
21	Rajasthan	449.896	282.56	0.0	
22	Sikkim		3.15	5.51	
23	Tamil Nadu		10.75	42.84	12.29
24	Telangana	60.34	27.60	38.36	
25	Tripura	11.74	20.30	0	5.34
26	Uttarakhand		11.06	19.50	
27	Uttar Pradesh		21.77	0	
28	West Bengal		13.15	22.74	
29	UT of J & K	91.21	11.87	9.53	0.29
30	UT of Ladakh	6.147		3.80	
	Total	990.22	1165.17	987.27	132.44

*No proposal received from State under WDC-PMKSY1.0

Source: Department of Land Resources

ANNEXURE III

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 160 ANSWERED IN LOK SABHA ON 20.07.2023 REGARDING "RAIN WATER CONSERVATION PROGRAMME".

Rainwater harvesting projects taken up under Atal Mission for Rejuvenation and Urban Transformation (AMRUT)

Sl.No.	State/UT	Name of the ULB	Project Title	Cost (₹ in crore)	Status
1	Delhi	N.D.M.C.	Construction of 25 Nos. Rainwater harvesting system with storage reservoir having capacity of 50,000 liters at each location: (i) Construction cost of 25 Nos. rainwater harvesting pit with modular technology	1.08	Work Completed
2	Lakshadweep	Kavarati	116 No's of 10,000 ltr capacity ferro-cement rainwater harvesting tanks	0.81	Work Completed
3	Lakshadweep	Kavarati	75 No's ferro-cement rainwater harvesting tanks of 10,000 Ltr capacity	0.50	Work Completed
4	Lakshadweep	Kavarati	Construction of 10 Nos Community Rainwater Harvesting Tanks	1.03	Work Completed
5	Kerala	Kochi	Rain water Harvesting	1.33	Under Implementation
6	Kerala	Kollam	Rain Water Harvesting-Phase 1	2.22	Under Implementation
7	Kerala	Kollam	Rain Water Harvesting-Phase 2	2.22	Under Implementation
			Total	9.19	

Source: Ministry of Housing & Urban Affairs

ANNEXURE IV

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 160 ANSWERED IN LOK SABHA ON 20.07.2023 REGARDING "RAIN WATER CONSERVATION PROGRAMME".

Repair, Renovation and Restoration (RRR) of Water Bodies State-wise Release of funds during 2019-23.

Sl. No.	State / UT	Central Assistance Released (All Rupees in Crores)			
		2019-20	2020-21	2021-22	2022-23
1	Andhra Pradesh	0	0	0	0
2	Bihar	11.82	0	8.62	7.285
3	Gujarat	0	0	0.00	3.162
4	Madhya Pradesh	0	0	0	0
5	Manipur	24.26	0	0	0
6	Meghalaya	0	0	0	0
7	Orissa	0	34.54	0	11.1
8	Rajasthan	11.96	0	0	9.3
9	Tamil Nadu	16.75	1.25	17.43	27.697
10	Telangana	0	0	0	0
11	Uttar Pradesh	0	0	0	0
12	Uttarakhand	0	0	0	0
	Total	64.79	35.79	26.05	58.544

ANNEXURE V

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 160 ANSWERED IN LOK SABHA ON 20.07.2023 REGARDING "RAIN WATER CONSERVATION PROGRAMME".

Surface Minor Irrigation Schemes State-wise Release of funds during 2019-2023.

Sl. No.	State/UT	Central Assistance Released (All Rupees in Crores)			
		2019-20	2020-21	2021-22	2022-23
1	Arunachal Pradesh	17.49	104.69	142.73	41.95
2	Assam	414.06	205.62	275.20	22.81
3	Bihar	16.14	10.65	0	4.83
4	Chhattishgarh	0	0	0	0
5	Himachal Pradesh	147.91	59.80	60.31	0
6	Jharkhand	0	0	0	0
7	Karnataka	0	0	0	30
8	Madhya Pradesh	0	0	0	0
9	Manipur	0	69.26	75.98	0
10	Meghalaya	22.22	57.07	100.47	46.52
11	Mizoram	11.34	7.65	4.66	0
12	Nagaland	20.46	35.99	40.89	20.87
13	Sikkim	9.13	9.33	9.71	12.88
14	Tripura	9.00	0	0	0
15	Uttarakhand	31.78	0	29.63	8.61
16	UT of J&K	62.18	96.69	0	0
17	UT of Ladakh	6.40	0.90	0	0
	Total	768.11	657.65	739.58	188.47
