

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

STARRED QUESTION NO. *1

ANSWERED ON 20.07.2023

DAM REHABILITATION AND IMPROVEMENT PROGRAMME

*1 SHRI P.P. CHAUDHARY

DR. RAMAPATI RAM TRIPATHI

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the Government has undertaken any projects under the Dam Rehabilitation and Improvement Programme (DRIP) in Rajasthan, Uttar Pradesh, Odisha and Himachal Pradesh;
- (b) if so, the details of Dams considered under the scheme in various districts of the said States;
- (c) whether the Jawai Dam in district Pali and Jaswant Sagar Dam in district Jodhpur in Rajasthan have been considered under the said programme and if not, the reasons therefor; and
- (d) the status of implementation of DRIP as on date?

ANSWER

THE MINISTER OF JAL SHAKTI

(SHRI GAJENDRA SINGH SHEKHAWAT)

(a) to (d) : A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF LOK SABHA STARRED QUESTION NO. *1 TO BE ANSWERED ON 20.07.2023 REGARDING “DAM REHABILITATION AND IMPROVEMENT PROGRAMME”.

(a) Yes, Sir. In order to improve the safety and operational performance of select existing dams in the country, Government of India is implementing the Dam Rehabilitation and Improvement Project (DRIP) with external funding. Under the World Bank funded DRIP Phase-I scheme, which was implemented during April 2012 to March 2021, 223 existing dams located in 7 States were comprehensively audited and rehabilitated at a cost of Rs. 2,567 crore. Odisha was one of the partner States in DRIP Phase-I scheme, wherein 26 dams of the State were rehabilitated at cost of Rs. 336 crore. Himachal Pradesh, Rajasthan and Uttar Pradesh were not part of the DRIP Phase-I scheme.

After completion of DRIP Phase-I scheme, Government of India has taken up DRIP Phase-II & III scheme envisaging rehabilitation and safety improvement of 736 dams located in 19 States, with a budget outlay of Rs. 10,211 crore. The States of Odisha, Rajasthan and Uttar Pradesh are part of the DRIP Phase II & III scheme, whereas, Himachal Pradesh is not participating in the programme.

DRIP Phase - II & III has provision for rehabilitation of 13, 189 and 39 dams in the States of Odisha, Rajasthan and Uttar Pradesh, respectively.

(b) The details of dams in various districts of States of Odisha, Rajasthan and Uttar Pradesh proposed for rehabilitation under DRIP Phase II and III are given at **Annexure-I**. Details of dams rehabilitated in the State of Odisha under DRIP Phase-I (2012-21) is given at **Annexure-II**.

(c) Yes, Sir. Jawai and Jaswant Sagar dams are included in the list of 189 dams proposed by the State of Rajasthan to be rehabilitated under DRIP Phase - II & III.

(d) The World Bank funded DRIP Phase-I programme was implemented during April 2012 to March 2021. Under the scheme, 223 dams located in 7 States (Kerala, Madhya Pradesh, Odisha, Tamil Nadu, Jharkhand, Karnataka and Uttrakhand) were rehabilitated at a cost of Rs 2,567 crore. The rehabilitation works targeted improvement in hydrological, structural and operational safety of the dams. Under the scheme, Emergency Action Plans and Operation and Maintenance Manuals were prepared for the dams. The project also had institutional strengthening component, wherein capacity building of 8 academic institutes and 2 central agencies was taken up. 186 customized national trainings and 5 international trainings were conducted benefitting about 5,500 officials. 13 Guidelines and Manuals on various aspects of dam safety were published. Organisation of 5 Dam Safety Conferences and initiation of post graduate degree programs in Dam Safety/Dam Engineering in two premier institutes viz. Indian Institute of Technology, Roorkee and Indian Institute of Science, Bengaluru were also undertaken.

DRIP Phase - II & III was approved in October 2020. The scheme is of 10 years duration, being implemented in two phases, each of 6 years duration with 2 years of overlap. The outlay for Phase II is Rs 5,107 crore and outlay for Phase III is Rs 5,104 crore. Phase II of DRIP has been declared effective by the World Bank in October 2021. Each phase has external loan of US\$ 500 million each. Phase II is being co-financed by the World Bank and the Asian Infrastructure and Investment Bank, with loans of US\$ 250 million each.

Under the ongoing DRIP-II scheme, rehabilitation proposals of 121 dams amounting to Rs. 4,175 crore have been approved by the World Bank. Tenders amounting to Rs 2,520 crore have been published and contracts amounting to Rs. 1,560 crore have been awarded by the various Implementing Agencies/States. The total expenditure under DRIP-II scheme up to 30.06.2023 is Rs 733 crore, and loan disbursed by the World Bank is US\$ 44 million.

Under the institutional strengthening component of DRIP-II scheme, an International Centre of Excellence for Dams has been established at the Indian Institute of Technology, Roorkee. M.Tech programmes in dam safety have been started at the Indian Institute of Science, Bengaluru and Indian Institute of Technology, Roorkee.

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA STARRED QUESTION NO *1 TO BE ANSWERED ON 20.07.2023 REGARDING “DAM REHABILITATION AND IMPROVEMENT PROGRAMME”.

List of Dams included in DRIP Phase II & III along with District

1. Odisha, Water Resources Department

SI. no.	Dam	Name of District
1.	Aradei	Keonjhar
2.	Jagatghai	Ganjam
3.	Jagdala	Kendujhar
4.	Rengali	Angul
5.	Kanjhari	Keonjhar
6.	Laigaon	Boudh
7.	Domkutch	Boudh
8.	Parhel	Boudh
9.	Randa	Nayagarh
10.	Saipala	Nuapada
11.	Gunduriposi	Dhenkanal
12.	Kumbho	Bargarh
13.	Upper Suktel	Balangir

2. Rajasthan, Water Resources Department

SI. no	Name of Dam	District
1	Basundani	Ajmer
2	Bherunda	Karauli
3	Bishan Samand	Karauli
4	Buehara	Jaipur
5	Chandrana	Dausa
6	Chhitoli	Jaipur
7	Deopura	Sawai Madhopur
8	Dheel	Sawai Madhopur
9	Hingonia	Jaipur
10	Kalakh Sagar	Jaipur
11	Kharad	Dausa
12	Lassariya	Ajmer
13	Madhosagar	Dausa
14	Mansarovar	Sawai Madhopur
15	Mora Sagar	Sawai Madhopur
16	Morel	Dausa
17	Needer	Karauli
18	Parbati	Dholpur
19	Ramgarh	Jaipur
20	Rediya	Dausa
21	Sainthal Sagar	Dausa
22	Sheel ki doongri	Jaipur
23	Siliberi	Alwar
24	Surwal	Sawai Madhopur
25	Abhaypura	Bundi

26	Alnia	Bhilwara
27	Bethali	Baran
28	Bhim Sagar	Jhalawar
29	Bhimni	Jhalawar
30	Bundi Ka Gothra	Bundi
31	Chailiya	Jhalawar
32	Chakan	Bundi
33	Chauli	Jhalawar
34	Gagrini	Jhalawar
35	Gararda	Bundi
36	Gudha	Bundi
37	Gulendi	Jhalawar
38	Kalikhar	Jhalawar
39	Pai balpura	Bundi
40	Piplad	Jhalawar
41	Saran Kheri	Jhalawar
42	Sawan Bhadon	Kota
43	Takli	Kota
44	Babra	Pali
45	Baniyawas	Pali
46	Bankli	Jalore
47	Bhula	Sirohi
48	Bithan	Jalore
49	Butri	Sirohi
50	Chandelao	Sirohi
51	Chinar	Sirohi
52	Dandia (Hari Om Sagar)	Pali
53	Dhanta	Sirohi
54	Giri Nanda	Pali
55	Girwar	Sirohi
56	Jaswant Sagar	Jodhpur
57	Jeerawal	Sirohi
58	Juna Malari	Pali
59	Kadambari	Sirohi
60	Ker	Sirohi
61	Kharda	Pali
62	Kui Sagna	Sirohi
63	Luneri	Sirohi
64	Mahadev Nalla	Sirohi
65	Mandar Nalla-1	Sirohi
66	Mandawara	Sirohi
67	Moongthala	Sirohi
68	Ora	Sirohi
69	Pacheria	Sirohi
70	Phulad	Pali
71	Poidra	Sirohi
72	Raipul' Luni	Pali
73	Sadri	Pali
74	Sardar Samand	Pali
75	Sei Diversion	Sirohi
76	Sindroo	Pali

77	West Banas	Sirohi
78	Amlı Kherı	Pratapgarh
79	Anwasa	Bhilwara
80	Atawam	Bhilwara
81	Badgaon	Udaipur
82	Bagolia	Udaipur
83	Bajrang Garh	Pratapgarh
84	Bardia	Pratapgarh
85	Bari Mansarovar	Chittorgarh
86	Barkherı	Chittorgarh
87	Bassi	Chittorgarh
88	Berach(Vallabh Nagar)	Udaipur
89	Bhagora	Banswara
90	Bhamrı Tandı	Banswara
91	Bhanwar Semla	Pratapgarh
92	Bhatia	Banswara
93	Biyapada	BIYA PADA
94	Borda	BORDA
95	Boria	Pratapgarh
96	Borwanganrı	Banswara
97	Chandra Bhaga	Bhilwara
98	Chatrakhuta	Banswara
99	Choti Tandı	Banswara
100	Damti Kokra	Bhilwara
101	Daya	Udaipur
102	Deoriya	Bhilwara
103	Devlia	Bhilwara
104	Dorai	Chittorgarh
105	Dudka - II	Banswara
106	Dunqlawani	Pratapgarh
107	Fateh Sagar	Udaipur
108	Gadola	Pratapgarh
109	Govta	Bhilwara
110	Goyaka Prasad	Banswara
111	Haro	Banswara
112	Himmatgarhi	Banswara
113	Jagpura	Banswara
114	Jai Samand	Udaipur
115	Jakham	Pratapgarh
116	Jetpura	Banswara
117	Jhadol	Bhilwara
118	Jude Ka Naka	Bhilwara
119	Kalabhata	Rajsamand
120	Kaladeh	Rajsamand
121	Kalinjara	Banswara
122	Kaniya Kherı	Bhilwara
123	Kantaliya	Pali
124	Kantri	Dungarpur
125	Khari	Bhilwara
126	Khatia	Banswara
127	Kothari Stage-II	Bhilwara

128	Ladki	Bhilwara
129	Lambadabra	Pratapgarh
130	Lodisar	Dungarpur
131	Luharia	Chittorgarh
132	Madar (Big)	Udaipur
133	Male Dam	Pratapgarh
134	Mandal Tank	Bhilwara
135	Mandol	Bhilwara
136	Matrikundia	Chittorgarh
137	Mt'.ia	Bhilwara
138	Memkhore	Banswara
139	Modia Mahadev	Chittorgarh
140	Morwania	Banswara
141	Motipura	Bhilwara
142	Murliya	Chittorgarh
143	Nagda	Banswara
144	Nagdi	Bhilwara
145	Nahar Sagar	Bhilwara
146	Nand Samand	Rajsamand
147	Navgaon	
148	Navratan Sagar	Bhilwara
149	Pachanpura	Bhilwara
150	Panada	Banswara
151	Panghatiya	Bhilwara
152	Patiyal	Bhilwara
153	Pattan (Deosagar)	Bhilwara
154	Phootan	Banswara
155	Pitha ka mund	Bhilwara
156	Raj Samand	Rajsamand
157	Raithaliyas	Rajsamand
158	Ruparel	Chittorgarh
159	Sankel Kheri	Chittorgarh
160	Sanwariya Sarowar	Chittorgarh
161	Sareri	Bhilwara
162	Shakargarh	Bhilwara
163	Shiv Sagar	Bhilwara
164	Som Kagdar	Udaipur
165	Sonariya	Banswara
166	Soniyana	Chittorgarh
167	Surwaniya	Banswara
168	Sushila Sagar	Bhilwara
169	Swaroop Sagar (Pichola)	Udaipur
170	Taliya	Pratapgarh
171	Titora	Bhilwara
172	Ummed Sagar	Bhilwara
173	Uncha	Chittorgarh
174	Wageri	Banswara
175	Wagon	Chittorgarh
176	Baretha	bharatpur
177	Bisalpur Dam	Tonk
178	Chhaperwara	Jaipur

179	Juggar	Karauli
180	Kalisil	Karauli
181	Panchana	Karauli
182	Jawahar Sagar	Chittorgarh
183	Rana Pratap Sagar	Bundi
184	Angore	Sirohi
185	Hemawas	Pali
186	Jawai Dam	Pali
187	Suk.Ii Selwara	Sirohi
188	Bhopal Sagar	Chittorgarh
189	Mahi Bajaj Sagar	Banswara

3. Uttar Pradesh, Water Resources Department

SI. No.	Name of Dam	Name of District
1.	Jirgo Dam	Mirzapur
2.	Adwa Dam	Mirzapur
3.	Dhandhraul Dam	Sonebhadra
4.	Jamini Dam	Lalitpur
5.	Pahuj Dam	Jhansi
6.	Dhora Dam	Udham Singh Nagar
7.	Baigul Dam	Udham Singh Nagar
8.	ShardaSagar Dam	Pilibhit
9.	Sirsi Dam	Mirzapur
10.	Shahzad Dam	Lalitpur
11.	Bhagwanpur Dam	Balrampur
12.	Chittaurgarh Dam	Balrampur
13.	Majhgawan Dam	Balrampur
14.	Baghelkhand Dam	Balrampur
15.	Kohargaddi Dam	Balrampur
16.	Pathrai Dam	Jhansi
17.	Sizar Dam	Jhansi
18.	GovindSagar Dam	Lalitpur
19.	Dhekwan Dam	Mirzapur
20.	Ahraura Dam	Mirzapur
21.	Dongia dam	Sonebhadra
22.	Ramganga Dam	PauriGarhwal
23.	Pili Dam	Bijnor
24.	Ramganga Saddle Dam	PauriGarhwal
25.	Nagwa Dam	Sonebhadra
26.	Upper Khajuri Dam	Mirzapur
27.	Gunta Dam	Chitrakoot
28.	Sukhara Dam	Mirzapur
29.	Maudaha Dam	Hamirpur
30.	Lower Khajuri Weir	Mirzapur
31.	BarbetaBandhi	Mirzapur
32.	JamathuaBandhi	Mirzapur
33.	KargaraBandhi	Sonebhadra
34.	MurtiyaBandhi	Sonebhadra
35.	Pahari Dam	Jhansi
36.	Rajghat Dam	Lalitpur
37.	RexahawaBandhi	Mirzapur
38.	Silhat Pickup Weir	Sonebhadra
39.	Matatila Dam	Lalitpur

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA STARRED QUESTION NO. *1 TO BE ANSWERED ON 20.07.2023 REGARDING “DAM REHABILITATION AND IMPROVEMENT PROGRAMME”.

List of Dams in State of Odisha rehabilitated under DRIP - I (2012-21)

Sl. No.	Name of Dam	Name of District
1.	Pitamahal	Sundargarh
2.	Sarafgarh	Sundargarh
3.	Talsara	Sundargarh
4.	Ashok nalla	Khordha
5.	Balaskumpa	Khandamal
6.	Balimela	Malkangiri
7.	Banksal	Sambalpur
8.	Bhaskel	Nabaranpur
9.	Daha	Ganjam
10.	Damsal	Dhenkanal
11.	Derjang	Angul
12.	Dhanei	Ganjam
13.	Hirakud	Sambalpur
14.	Jhumuka	Khurda
15.	Kalo	Mayurbhanj
16.	Nesa	Mayurbhanj
17.	Pillasalki	Phullabani
18.	Rengali	Angul
19.	Salandi	Keonjhar
20.	Salia	Khurda
21.	Sanmachhakandana	Keonjhar
22.	Sapua	Denkanal
23.	Satiguda (malkangiri)	Malkangiri
24.	Satiguda (ukp)	Koraput
25.	Sundar	Nuapada
26.	Upper kolab	Koraput
