

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI,  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1942**  
ANSWERED ON 09.12.2021

**SAFETY AUDIT OF DAMS**

1942. PROF. SOUGATA RAY  
ADV. DEAN KURIAKOSE

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the Government has any concrete mechanism to conduct the safety audit of dams in the country which are constructed for various purposes like irrigation and hydel purposes;
- (b) if so, the details thereof;
- (c) the details of the agency which is conducting periodical safety audit;
- (d) the details of such dams which already completed 100 years and are threat to the life and property;
- (e) the action taken to de-commission such dams; and
- (f) whether the Government has received any proposal/petition to decommission the Mullaperiyar Dam from the Government of Kerala and if so, the details thereof along with the criteria for de-commissioning a dam?

**ANSWER**

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) to (c). Yes.

At present the safety of the dams in India is the principal concern of the State Agencies/Organizations who own the dams. Dam owners generally carry out pre-monsoon and post-monsoon inspection of their dams. Some States have also constituted the Dam Safety Review Panel (DSRP) for comprehensive audit of their dams.

Besides, Union Government has also constituted the National Committee on Dam Safety (NCDS) headed by Chairman, CWC. This body has representation from States also. The Committee oversees dam safety activities in various States/Organizations and suggests measures to bring dam safety practices in line with best practices in the world. This Committee is non statutory.

The Dam Safety Bill, which has just been passed by the Rajya Sabha provides a statutory framework for surveillance, inspection, operation and maintenance of specified dams for prevention of dam failure related disasters.

(d) As per the National Register of Large Dams (2019) compiled and maintained by the Central Water Commission, there are 227 large dams in India which are more than 100 years old (i.e. constructed on/before 1921). The list of these dams is enclosed at **Annexure-I**.

(e) Proposals for decommissioning of dams, if required, need to be formulated by the dam owners.

(f) Yes. The proposal for decommission of existing dam and construction of a new dam was proposed by the State of Kerala during the deliberation held with the Empowered Committee for Mullaperiyar dam, constituted on the direction of the Hon'ble Supreme Court in 2010. The Empowered Committee, in its report dated 23.04.2012, had considered, among other issues, between the States of Kerala and Tamil Nadu, the construction of a new dam proposed by the State of Kerala. The issue of construction of new dam in the downstream region of Mulla Periyar Dam as per the offer made by Kerala to Tamil Nadu, had also been dealt by the Hon'ble Supreme Court in its judgment dated 07.05.2014 [in the case of Original Suit No. 3 of 2006 (State of Tamil Nadu versus State of Kerala & Anr.)].

\*\*\*\*\*

**ANNEXURE-I**

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF LOK SABHA UNSTARRED QUESTION DIARY NO. 1942 TO BE ANSWERED ON 09.12.2021 ON “SAFETY AUDIT OF DAMS”.

<b>Large Dams more than 100 yrs old- as per NRLD 2019</b>		
<b>S.N</b>	<b>State</b>	<b>Count</b>
1	Andaman and Nicobar Island	0
2	Andhra Pradesh	5
3	Arunachal Pradesh	0
4	Assam	0
5	Bihar	1
6	Chandigarh	0
7	Chhattisgarh	7
8	Dadara and Nagar Havelli	0
9	Daman and Diu	0
10	Goa	0
11	Gujarat	30
12	Haryana	0
13	Himachal Pradesh	0
14	Jammu and Kashmir	0
15	Jharkhand	0
16	Karnataka	15
17	Kerala	1
18	Lakshadweep	0
19	Madhya Pradesh	62
20	Maharashtra	42
21	Manipur	0
22	Meghalaya	0
23	Mizoram	0
24	Nagaland	0
25	Delhi	0
26	Odisha	3
27	Puducherry	0
28	Punjab	0
29	Rajasthan	25
30	Sikkim	0
31	Tamil Nadu	1
32	Tripura	0
33	Uttar Pradesh	17
34	Uttarakhand	0
35	West Bengal	0
36	Telangana	18
	<b>Total</b>	<b>227</b>

**Large Dams more than 100 yrs old- as per NRLD 2019**

Sr.No.	Project Identification Code (PIC)	Name of Dam	Year of Completion	State
1	AP01MH0001	Cumbhum	1500	Andhra Pradesh
2	AP01LH0002	Dondapadu tank	1910	Andhra Pradesh
3	AP01MH0003	Siddapuram Tank	1919	Andhra Pradesh
4	AP01MH0004	Mopad Reservoir	1921	Andhra Pradesh
5	AP01MH0144	Thotapally Barrage	1908	Andhra Pradesh
6	BR02MH0001	KHARAGPUR LAKE	1876	Bihar
7	CG03LH0001	KHAPRI TANK	1908	Chhattisgarh
8	CG03LH0002	KURUD	1909	Chhattisgarh
9	CG03LH0003	PINDRAWAN TANK	1909	Chhattisgarh
10	CG03MH0004	DARRITOLA	1910	Chhattisgarh
11	CG03LH0005	DHANRAS	1911	Chhattisgarh
12	CG03LH0006	AMACHUWA TANK	1917	Chhattisgarh
13	CG03MH0007	TANDULA TANK	1921	Chhattisgarh
14	GJ04LH0001	Bhadhaka	1868	Gujarat
15	GJ04MH0002	Panelia	1882	Gujarat
16	GJ04LH0003	Revania	1882	Gujarat
17	GJ04MH0004	Ajwa	1892	Gujarat
18	GJ04MH0006	Veri	1900	Gujarat
19	GJ04MH0007	Khambhala	1901	Gujarat
20	GJ04LH0008	Vijarkhi	1901	Gujarat
21	GJ04MH0009	Adhia	1902	Gujarat
22	GJ04MH0010	Alansagar	1901	Gujarat
23	GJ04LH0011	Hanshtal	1902	Gujarat
24	GJ04LH0012	Moldi	1902	Gujarat
25	GJ04LH0013	Rajavadala	1902	Gujarat
26	GJ04MH0014	Mota Ankadia	1903	Gujarat
27	GJ04MH0015	Chimnabai-Lake	1906	Gujarat
28	GJ04MH0016	Paneli	1906	Gujarat
29	GJ04MH0017	Anandpar	1907	Gujarat
30	GJ04MH0018	Kuvadwa	1908	Gujarat
31	GJ04LH0019	Savli	1910	Gujarat
32	GJ04MH0020	Dhanora	1911	Gujarat
33	GJ04LH0021	Mota Bandharia	1911	Gujarat
34	GJ04MH0022	Muvalia	1911	Gujarat
35	GJ04MH0023	Doswada	1912	Gujarat
36	GJ04MH0024	Limla	1912	Gujarat
37	GJ04LH0025	Vangroli	1912	Gujarat
38	GJ04MH0027	Fakirwadi	1913	Gujarat
39	GJ04LH0028	Dhameli	1914	Gujarat
40	GJ04MH0029	Ramdhani	1914	Gujarat
41	GJ04LH0030	Pichhavi	1916	Gujarat
42	GJ04LH0031	Vadatalav	1916	Gujarat
43	GJ04MH0215	Zinzari	1912	Gujarat
44	KA06MH0001	Thonnur Tank	1000	Karnataka
45	KA06LH0002	Madaga Tank (old)	1908	Karnataka
46	KA06MH0003	Kottur Tank	1888	Karnataka
47	KA06MH0004	Boranakanive Tank	1892	Karnataka
48	KA06LH0005	Maidal Amanikere Tank	1895	Karnataka
49	KA06LH0006	Hesaraghatta Reservoir	1896	Karnataka
50	KA06MH0008	Deepambudikere Tank	1906	Karnataka
51	KA06LH0010	Kadaba Tank	1906	Karnataka
52	KA06LH0011	Kunigal Dodakere Tank	1906	Karnataka
53	KA06LH0012	Nidasale Tank	1906	Karnataka
54	KA06LH0013	Nittur Tank	1906	Karnataka
55	KA06LH0014	Ranikere Tank	1907	Karnataka
56	KA06HH0015	Vanivilasa Sagar Dam	1907	Karnataka
57	KA06HH0016	Madagamasur Tank	1908	Karnataka
58	KA06LH0017	Mavathur Tank	1908	Karnataka
59	KL12HH0001	Periyar	1895	Kerala
60	MP08MH0001	TEKANPUR	1895	Madhya Pradesh
61	MP08LH0002	SARRA	1896	Madhya Pradesh

62	MP08LH0003	JAWAHARGARH	1899	Madhya Pradesh
63	MP08LH0004	KHANPURA	1907	Madhya Pradesh
64	MP08LH0005	DINORA	1907	Madhya Pradesh
65	MP08LH0006	BIRPUR	1908	Madhya Pradesh
66	MP08LH0007	ANTALWASA	1908	Madhya Pradesh
67	MP08LH0008	BELGAON	1909	Madhya Pradesh
68	MP08LH0009	BASINKHAR	1909	Madhya Pradesh
69	MP08LH0010	LOKPAL SAGAR	1909	Madhya Pradesh
70	MP08LH0011	BITHLEE	1910	Madhya Pradesh
71	MP08LH0012	RECHHAI	1910	Madhya Pradesh
72	MP08LH0013	KAMERA	1910	Madhya Pradesh
73	MP08LH0014	KOTA	1910	Madhya Pradesh
74	MP08MH0015	ROOMAL	1910	Madhya Pradesh
75	MP08LH0016	JUMNERA	1910	Madhya Pradesh
76	MP08LH0017	DONGER BODI	1911	Madhya Pradesh
77	MP08LH0018	ADNER	1911	Madhya Pradesh
78	MP08LH0019	NAGDAGAJORA	1911	Madhya Pradesh
79	MP08LH0020	GORKHA BANDHA	1912	Madhya Pradesh
80	MP08LH0021	PANAGAR	1912	Madhya Pradesh
81	MP08LH0022	CHIRAIPANI	1913	Madhya Pradesh
82	MP08LH0023	KHERIA	1913	Madhya Pradesh
83	MP08LH0024	PIPREHETA	1913	Madhya Pradesh
84	MP08LH0025	JHALONI	1913	Madhya Pradesh
85	MP08LH0026	DHAPORA	1913	Madhya Pradesh
86	MP08LH0027	RAJGARH	1914	Madhya Pradesh
87	MP08LH0028	MAJHGAWAN	1914	Madhya Pradesh
88	MP08LH0029	PILLOWA	1914	Madhya Pradesh
89	MP08MH0030	KOTWAL	1914	Madhya Pradesh
90	MP08LH0031	RAMGARHI	1915	Madhya Pradesh
91	MP08LH0032	KHANKURIA	1915	Madhya Pradesh
92	MP08LH0033	JAMAKHERI	1915	Madhya Pradesh
93	MP08LH0034	KESHOPUR	1916	Madhya Pradesh
94	MP08LH0035	MOMANPURA	1916	Madhya Pradesh
95	MP08LH0036	AMA NALLA (OLD)	1916	Madhya Pradesh
96	MP08LH0037	KUTARINALLA	1916	Madhya Pradesh
97	MP08MH0038	JAGLA TANK	1916	Madhya Pradesh
98	MP08LH0039	BHAROLI	1916	Madhya Pradesh
99	MP08LH0040	MOHARI	1916	Madhya Pradesh
100	MP08LH0041	AHMADPUR	1916	Madhya Pradesh
101	MP08LH0042	NAROLA	1916	Madhya Pradesh
102	MP08LH0043	RANJEET	1916	Madhya Pradesh
103	MP08LH0044	SILODA	1916	Madhya Pradesh
104	MP08MH0045	GOVINDGARH	1917	Madhya Pradesh
105	MP08LH0046	HARDUAMUDAR	1917	Madhya Pradesh
106	MP08LH0047	MAUSANDHA	1917	Madhya Pradesh
107	MP08LH0048	SAMARSINGHA	1917	Madhya Pradesh
108	MP08LH0049	AMAHI	1917	Madhya Pradesh
109	MP08MH0050	RAMPUR	1917	Madhya Pradesh
110	MP08MH0051	TIGRA	1917	Madhya Pradesh
111	MP08MH0052	HARSI	1917	Madhya Pradesh
112	MP08MH0053	PATHARHATTA	1918	Madhya Pradesh
113	MP08LH0054	DHARWARA	1918	Madhya Pradesh
114	MP08LH0055	CHANDAPATHA	1918	Madhya Pradesh
115	MP08LH0056	AMETHA	1918	Madhya Pradesh
116	MP08LH0057	BAISLY	1919	Madhya Pradesh
117	MP08LH0058	CHHOTI DEORI	1919	Madhya Pradesh
118	MP08LH0059	LOWER SAKARWARA	1919	Madhya Pradesh
119	MP08MH0060	BADERA	1920	Madhya Pradesh
120	MP08LH0061	JAGUWA	1921	Madhya Pradesh
121	MP08MH0062	JAMUNIA	1921	Madhya Pradesh
122	MH09LH0001	DHAMAPUR	1600	Maharashtra
123	MH09LH0002	RUSHI	1800	Maharashtra
124	MH09LH0003	MUDANA	1800	Maharashtra
125	MH09LH0004	KALAPVIHIR	1800	Maharashtra
126	MH09MH0005	VIHAR	1860	Maharashtra

127	MH09LH0006	AMBAZARI	1870	Maharashtra
128	MH09MH0007	EKRUKH	1871	Maharashtra
129	MH09MH0008	MAYANI	1872	Maharashtra
130	MH09MH0009	MUKTI	1873	Maharashtra
131	MH09LH0010	RANKALA	1883	Maharashtra
132	MH09MH0011	SHIRSUFAL	1879	Maharashtra
133	MH09MH0012	TULSHI	1879	Maharashtra
134	MH09HH0013	KHADAKWASLA	1880	Maharashtra
135	MH09MH0014	ASHTI	1883	Maharashtra
136	MH09MH0015	PARSUL	1884	Maharashtra
137	MH09LH0016	SHANIMANDAL	1885	Maharashtra
138	MH09MH0017	MHASWAD	1887	Maharashtra
139	MH09MH0018	NHER	1889	Maharashtra
140	MH09MH0019	BHATODI	1892	Maharashtra
141	MH09HH0020	TANSA	1892	Maharashtra
142	MH09MH0021	SHETFAL	1901	Maharashtra
143	MH09LH0022	WADSHIVANE	1902	Maharashtra
144	MH09MH0023	KHAIRBANDHA	1903	Maharashtra
145	MH09LH0024	KHIRDISATHE	1904	Maharashtra
146	MH09MH0025	PATHARI	1905	Maharashtra
147	MH09LH0026	KUMBHALI	1907	Maharashtra
148	MH09LH0027	PAWANPAR	1909	Maharashtra
149	MH09HH0028	CHANKAPUR	1911	Maharashtra
150	MH09MH0029	GOREWADA	1911	Maharashtra
151	MH09LH0030	GADMOSHI	1912	Maharashtra
152	MH09LH0031	JANALA	1912	Maharashtra
153	MH09LH0032	KHAIRI	1913	Maharashtra
154	MH09MH0033	RAMTEK	1913	Maharashtra
155	MH09MH0034	CHANDPUR	1915	Maharashtra
156	MH09MH0035	LONAVALA	1916	Maharashtra
157	MH09MH0036	WALWAN	1916	Maharashtra
158	MH09MH0037	DARNA	1916	Maharashtra
159	MH09LH0038	PANGADI	1917	Maharashtra
160	MH09MH0039	BODALKASA	1917	Maharashtra
161	MH09MH0040	ASOLAMENDHA	1918	Maharashtra
162	MH09HH0041	SHIRVATA	1920	Maharashtra
163	MH09LH0838	MHASWA	1880	Maharashtra
164	OR10MH0001	SORODA	1896	Odisha
165	OR10MH0158	BHANJIAGAR	1894	Odisha
166	OR10LH0197	JAGANNATHASAGAR	1781	Odisha
167	RA11HH0001	RAJSAMAND	1676	Rajasthan
168	RA11HH0002	JAI SAMAND	1730	Rajasthan
169	RA11MH0003	SWAROOP SAGAR	1560	Rajasthan
170	RA11MH0004	HINGONIA	1862	Rajasthan
171	RA11MH0006	KHARAD	1877	Rajasthan
172	RA11LH0007	KALAKH SAGAR	1883	Rajasthan
173	RA11MH0008	TORDI SAGAR	1887	Rajasthan
174	RA11LH0009	MADHO SAGAR	1887	Rajasthan
175	RA11MH0010	FATEH SAGAR	1889	Rajasthan
176	RA11MH0011	BUCHARA	1889	Rajasthan
177	RA11HH0012	JASWANT SAGAR	1889	Rajasthan
178	RA11LH0013	CHAPARWARA	1894	Rajasthan
179	RA11MH0014	SAINTHAL SAGAR	1898	Rajasthan
180	RA11MH0015	SHEEL KI DUNGRI	1900	Rajasthan
181	RA11MH0016	RAM GARH	1901	Rajasthan
182	RA11MH0018	SARDAR SAMAND	1905	Rajasthan
183	RA11MH0019	HEMAWAS	1911	Rajasthan
184	RA11MH0020	DHEEL	1911	Rajasthan
185	RA11MH0171	UDAI SAGAR	1585	Rajasthan
186	RA11LH0175	JAISAMAND	1910	Rajasthan
187	RA11LH0177	NAHAR SAGAR	1909	Rajasthan
188	RA11LH0178	BANKALI	1906	Rajasthan
189	RA11LH0180	KUKAS	1901	Rajasthan
190	RA11MH0199	BARETHA BUND	1897	Rajasthan
191	RA11LH0211	Umed Sagar	1917	Rajasthan

192	TN12HH0002	Pechipparai	1906	Tamil Nadu
193	UP13MH0001	BARWA SAGAR	1694	Uttar Pradesh
194	UP13LH0002	MAGAR PUR	1694	Uttar Pradesh
195	UP13LH0003	PACHWARA LAKE	1694	Uttar Pradesh
196	UP13MH0004	PARICHHA	1886	Uttar Pradesh
197	UP13MH0005	DHEKWAN	1909	Uttar Pradesh
198	UP13LH0006	PAHUJ	1909	Uttar Pradesh
199	UP13LH0007	SUKHRA	1909	Uttar Pradesh
200	UP13LH0008	LACHURA	1910	Uttar Pradesh
201	UP13LH0009	SIORI LAKE	1911	Uttar Pradesh
202	UP13LH0010	PAHARI	1912	Uttar Pradesh
203	UP13MH0011	GANGAU	1915	Uttar Pradesh
204	UP13LH0013	GHORI	1915	Uttar Pradesh
205	UP13MH0014	KOTRA KHAMBHA	1915	Uttar Pradesh
206	UP13MH0015	KHAPATIA	1916	Uttar Pradesh
207	UP13MH0016	DHANDHRAUL	1917	Uttar Pradesh
208	UP13MH0017	MAJHGAWAN	1917	Uttar Pradesh
209	UP13MH0018	DONGIA	1918	Uttar Pradesh
210	TL47MH0001	Shanigram	1891	Telangana
211	TL47MH0002	Large Tank, Peddamallareddy	1892	Telangana
212	TL47MH0003	Large Tank, Kachapur	1896	Telangana
213	TL47MH0004	Large Tank, Kamareddy	1897	Telangana
214	TL47LH0005	Large tank, Malkapur	1898	Telangana
215	TL47LH0006	Large Tank, Jangampally	1898	Telangana
216	TL47MH0007	Large Tank, Adloor Yellareddy	1901	Telangana
217	TL47MH0008	Pakhal Lake	1902	Telangana
218	TL47LH0009	Mallareddy Cheru, Bhiknoor	1905	Telangana
219	TL47LH0010	Udayasamudram	1906	Telangana
220	TL47LH0011	Choudari Cheru, Polkampet	1908	Telangana
221	TL47MH0012	Lakhnaram Tank	1909	Telangana
222	TL47MH0013	Large Tank, Bibipet	1911	Telangana
223	TL47LH0014	Pedda Cheru, Vellutla	1912	Telangana
224	TL47MH0015	Large Tank, Pulkal	1918	Telangana
225	TL47LH0016	Large tank, Uppalwai	1918	Telangana
226	TL47MH0017	Ramappa Lake	1919	Telangana
227	TL47HH0018	Osman Sagar	1920	Telangana

\*\*\*\*\*