

Reported failure of dams in India (Year wise)

(Dam Safety Organization-CWC)

(As per information furnished by States/DSOs)

SL. No	State	Name of Project	Type	Max. Height (M)	Year of Completion	Year of Failure	Cause of failure
Up to 1950							
1#	Madhya Pradesh	Tigra	Masonry	24.03	1914-17	1917	Overtopping followed by slide.
2	Maharashtra	Ashti	Earth	17.70	1883	1933	Slope failure.
3#	Madhya Pradesh	Pagara	Composite	27.03	1911-27	1943	Overtopping followed by breach.
1951-1960							
4#	Madhya Pradesh	Palakmati	Earth	14.60	1942	1953	Sliding failure.
5#	Rajasthan	Dakhya	Earth	N.A	1953	1953	Breaching.
6##	Uttar Pradesh	Ahrura	Earth	22.80	1953	1953	Breaching.
7#	Rajasthan	Girinanda	Earth	12.20	1954	1955	Overtopping followed by breaching.
8#	Rajasthan	Anwar	Earth	12.50	1956	1957	Breaching.
9#	Rajasthan	Gudah	Earth	28.30	1956	1957	Breached due to bad workmanship.
10#	Rajasthan	Sukri	Earth	N.A	N.A	1958	Breached by leakage through foundation.
11#	Madhya Pradesh	Nawagaon	Earth	16.00	1958	1959	Overtopping leading to breach.
12#	Rajasthan	Dervakheda	Earth	N.A	N.A	1959	Breaching.
13#	Gujarat	Kaila	Earth	23.08	1955	1959	Embankment collapsed due to weak foundation.
1961-1970							
14	Maharashtra	Panshet	Earth	53.80	1961	1961	Piping failure leading to breach.
15	Maharashtra	Khadakwasla	Masonry	60.00	1875	1961	Overtopping.
16#	Rajasthan	Galwania	Earth	N.A	1960	1961	Breaching.
17#	Rajasthan	Nawagaza	Earth	N.A	1955	1961	Breaching.
18#	Madhya Pradesh	Sampna	Earth	21.30	1956	1964	Slope failure on account of inappropriate materials.
19#	Madhya Pradesh	Kedarnala	Earth	20.00	1964	1964	Breaching.
20##	UttaraKhand	Nanaksagar	Earth	16.00	1962	1967	Breached due to foundation piping.
1971-1980							
21#	Gujarat	Dantiwada	Earth	60.96	1965	1973	Breach on account of floods.
22	Tamil Nadu	Kodaganar	Earth	12.75	1977	1977	Breached on account of floods.
23#	Gujarat	Machhu-II	Composite	20.00	1972	1979	Overtopping due to floods.
1981-1990							
24#	Gujarat	Mitti	Earth	16.02	1982	1988	Overtopping leading to breach.

1991- 2000							
25#	Madhya Pradesh	Chandora	Earth	27.30	1986	1991	Breach.
26*	Andhra Pradesh	Kadam	Composite	22.50	1958	1995	Over topping leading to breach.
27#	Rajasthan	Bhimlot	Masonry	17.00	1958	-	Breached due to inadequate spillway capacity.
2001-2010							
28#	Gujarat	Pratappur	Earth	10.67	1891	2001	Breached on account of floods.
29#	Madhya Pradesh	Jamunia	Earth	15.40	1921	2002	Piping leading to breaching.
30	Orissa	Gurilijoremip	Earth	12.19	1954-55	2004	The abutment structure along with wing and return walls got undermined with foundation scouring.
31	Maharashtra	Nandgavan	Earth	22.51	1998	2005	Excessive rain causing water flow over the waste weir to a depth beyond the design flood lift.
32#	Madhya Pradesh	Piplai	Earth	16.73	1998	2005	Breach
33#	Rajasthan	Jaswant Sagar	Earth	43.38	1889	2007	Piping leading to breaching.
34	Andhra Pradesh	Palemvagu dam	Earth	13.00	U/C	2008	Flash flood resulting in overtopping of the earth dam
35#	Madhya Pradesh	Chandiya	Earth	22.50	1926	2008	Breach.
36#	Rajasthan	Gararda	Earth	31.76	2010	2010	Examination for cause of failure by state authorities in progress.

Note:

* First time dam failure happened in year 1958 due to inadequate spillway capacity and reconstructed in year 1964 that again failed in 1995.

Detailed technical report pertaining to reported dam failures awaited.
Madhya Pradesh-10 Dams, Rajasthan -11 Dams and Gujarat-5 dams

Uttar Pradesh -2 Dams (1dam in UP& 1dam namely Nanaksagar in Uttarakhand).

Note: Status as per information received from State Govts. / DSO's, further modification/ updation, if any may be intimated.