

STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA

	ON STREAM PSP (Generating PSPs)		OFF STREAM PSP (Storage PSPs)		TOTAL PSP (ON STREAM + OFF STREAM)	
Category	No. of projects	Capacity (MW)	No. of projects	Capacity (MW)	No. of projects	Capacity (MW)
Potential	63	56926	199	231670	262	288595.6
In Operation #	8	4595.60	2	2580	10	7175.60
Under Construction #	4	4100.00	8	12020	12	16120.00
DPR concurred by CEA/ Appraised by CEA	1	1000	4	5580	5	6580
Under Examination	1	640	-	-	1	640
Under S&I						
(i) Projects Under S&I in CEA	1	1000	31	49560	32	50560
(ii) Projects Under S&I not in CEA	1	500	32	42050	33	42550
(iii) MPPs Under S&I##	-	-	-	-	-	-
Total (i) +(ii)+(iii)	2	1500	63	91610	65	93110
DPR Returned for Resubmission						
Grand Total (Except in operation)	8	7240	75	109210	83	116450

#Out of total four units (4 x 250 MW) 3 units of Tehri PSP(750MW) has been commissioned during June, July & Dec' 2025

Therefore,Tehri PSP is in under construction & in Operation Category.

CATEGORY WISE STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA
(Installed Capacity above 25 MW)

S.No.	Pumped Storage Project	State	CAPACITY		On Stream/ Off Stream	Loop (Open /Closed)	Developer	Actual Commissioning/An ticipated Commissioning	Date of CEA Concurrence
			No. of units x Unit size(MW)	MW					
A. PSP IN OPERATION									
1	Tehri (3 units comissioned out of 4 units)	Uttarakhand	3x 250	750	On Stream		THDC	2025 (June 2025, July 2025 & Dec'2025)	May , 1985
2	Ghatgar	Maharashtra	2x125	250	On Stream		MAHAGENCO	2008 (250 MW)	17.03.1993
3	Srisaillam LBPH	Telangana	6x150	900	On Stream		TSGENCO	2001 (300 MW) 2002 (450 MW) 2003 (150 MW)	
4	Kadamparai	Tamil Nadu	4x100	400	On Stream		TANGEDCO	1987 (100 MW) 1988 (200 MW) 1989 (100 MW)	
5	Nagarjuna Sagar	Telangana	7x100.80	705.60	On Stream		TSGENCO	1980 (100.8 MW) 1981 (100.8 MW) 1982 (100.8 MW) 1983 (100.8 MW) 1984 (100.8 MW) 1985 (202 MW)	
6	Bhira	Maharashtra	1x150	150	On Stream		TATA Power	1927 (125 MW) 1949 (25 MW)	
7	Kadana	Gujarat	4x60	240	On Stream		GSECL		
8	Sardar Sarovar Project	Gujarat	6x200	1200	On Stream		SSNNL		
	Sub-Total (On- Stream)	8	Nos.	4596	MW				
1	Pinnapuram	Andhra pradesh	6 x 240 +2 x 120	1680	Off Stream	Closed	Greenko Ltd	August 2025(2 x 120 MW)	20.04.2022
2	Purulia	West Bengal	4x225	900	Off Stream	Closed	WBSEDCL	2007	
	Sub-Total (Off- Stream)	2	Nos.	2580	MW				
	Total	10	Nos.	7175.60	MW				
B. PSP UNDER CONSTRUCTION									
1	Tehri (1 remaining unit to be comissioned out of 4 units)	Uttarakhand	1x250	250	On Stream		THDC	2026-27 (April'26)	May 1985
2	Kundah (Stage I,II&III)	Tamil Nadu	4x125	500	On Stream		TANGEDCO	2026-27 (Feb 27)	03.12.2008
3	Upper Sileru	Andhra Pradesh	9 x 150	1350	On Stream		APGENCO	2028-29 (Feb 2029)	13.06.2023
4	Sharavathy	Karnataka	8 x 250	2000	On Stream		KPCL	2032-33 (May'32)	09.09.2024
	Sub-Total (On- Stream)	4	Nos.	4100	MW				
1	Chitravathi	Andhra Pradesh	2 x 250	500	Off Stream	Open	Adani Renewable Energy Forty- Two Limited	2026-27 (Feb 27)	05.03.2025

2	Bhiyapuri	Maharashtra	4 x 200 + 2 x 100	1000	Off Stream	Open	TATA Power	2028-29(Feb '29)	30.09.2024
3	MP30 Gandhisagar	Madhya Pradesh	7x240 +2x120	1920	Off Stream	Open	Greenko MP01 IREP Private Limited	2026-27 (Dec'26)	19.12.2024
4	Saundatti	Karnataka	320X4+160x2	1600	Off Stream	Closed	Greenko KA01 IREP Private Limited	2027-28 (Dec' 2027)	29.07.2025
5	Gandikota	Andhra Pradesh	4 X 250	1000	Off Stream	Open	Adani Renewable Energy Fifty One Limited	2028-29 (Mar' 2029)	28.05.2025
6	Bhavali	Maharashtra	5x250 + 2 x 125	1500	Off Stream	Open	JSW Energy PSP Two limited	2028-29 (Dec' 2028)	24.09.2024
7	Tarali	Maharashtra	5x300	1500	Off Stream	Open	Adani Green	2029-30(June 29)	15.01.2026
8	Karjat (Saidongar - 1)	Maharashtra	9x300 + 2x150	3000	Off Stream	Open	Torrent Power	2029-30 (Dec'29)	09.01.2026
	Sub-Total (Off-Stream)	8	Nos.	12020	MW				
	Total	12	Nos.	16120.00	MW				
C. PSP DPR CONCURRED BY CEA AND YET TO BE TAKEN UP FOR CONSTRUCTION									
1	Turga	West Bengal	4x250	1000	On Stream		WBSEDCL		05.10.16
	Sub-Total (On-Stream)	1	Nos.	1000	MW				
1	Kandhaura	Uttar Pradesh	5x280+2x140	1680	Off Stream	Closed	JSW Energy PSP Six Ltd		13.06.2025
2	Upper Indravati	Odisha	4x150	600	Off Stream	Open	OHPC		19.08.24
3	Shirwata	Maharashtra	5x300 +2x150	1800	Off Stream	Open	Tata Power		07.09.2025
4	Pane	Maharashtra	5x250+2x150	1500	Off Stream	Open	JSW Energy		18.09.2025
	Sub-Total (Off-Stream)	4	Nos.	5580	MW				
	Total	5	Nos.	6580	MW				

D. PSP UNDER EXAMINATION									
1	Indira Sagar	Madhya pradesh	6x80+1x45	640	On Stream		NHDC Ltd		
	Sub-Total (On-Stream)	1	Nos.	640	MW				
	Total	1	Nos.	640	MW				
E. PSP UNDER SURVEY & INVESTIGATION									
	Pumped Storage Projects under S&I in CEA								
1	Upper Bhavani	Tamil Nadu	4 x 250	1000	On Stream		NTECL		
	Sub-Total (On-River)	1	Nos.	1000	MW				
1	Hasdeo bango	Chhattisgarh	4x200	800	Off Stream	Open	CSPGCL		
2	Sikaser	Chhattisgarh	4 x 300	1200	Off Stream	Open	CSPGCL		
3	Rouni	Chhattisgarh	6 x 350	2100	Off Stream	Open	CSPGCL		
4	Maval (Saidongar - 2)	Maharashtra	3x300 + 2x150	1200	Off Stream	Open	Torrent Power		
5	Savitri	Maharashtra	8 x 300	2400	Off Stream	Open	NHPC		
6	Jhariya	Uttar Pradesh	5x270 + 2x135	1620	Off Stream	Closed	Jhariya AnantUrja		
7	UP01	Uttar Pradesh	11x305+2x152.5	3660	Off Stream	Closed	Greenko		
8	Shahpur	Rajasthan	5x300 +2x150	1800	Off Stream	Closed	Greenko		

9	Sirohi	Rajasthan	3x400	1200	Off Stream	Closed	JSW Energy		
10	Chichlik	Uttar Pradesh	5x260 + 2x130	1560	Off Stream	Closed	Avaada		
11	Masinta	Odisha	4 x 250	1000	Off Stream	Closed	NHPC		
12	Motaraypura	Gujarat	4 x 250	1000	Off Stream	Open	GSECL		
13	Kumbhe	Maharashtra	4 x 275	1100	Off Stream	Open	NTPC		
14	Kalu	Maharashtra	6 x 300	1800	Off Stream	Closed	NHPC		
15	Narihalli	Karnataka	2x150	300	Off Stream	Open	JSW Energy		
16	Malshej Ghat	Maharashtra	4 x 300	1200	Off Stream	Closed	THDC		

17	Dharoi	Gujarat	10 x125	1250	Off Stream	Open	GSECL		
18	Dangri	Chhattisgarh	4 x 350	1400.00	Off Stream	Open	CSPGCL		
19	Humbarli Barmani	Maharashtra	6 x 250	1500.00	Off Stream	Open	THDC		
20	Pawana Falyan	Maharashtra	8 x 300	2400	Off Stream	Closed	Avaada		
21	Panari	Madhya Pradesh	5 x 300 + 2 x 150	1800	Off Stream	Open	Sri Siddharth Infratech & Services Pvt Ltd		
22	Koppolu	Andhra Pradesh	8 x 300	2400	Off Stream	Open	M/s Chinta Green Energy Pvt. Ltd.		
23	Aruna Kolamb	Maharashtra	4 x 300	1200	Off Stream	Open	THDC		
24	Bhorande	Maharashtra	6 x 250	1500	Off Stream	Closed	Adani Green		
25	Gosaintri	Bihar	4 x 230	920	Off Stream	Closed	Sun Hydro		
26	Aruna	Maharashtra	6 x 250	1500	Off Stream	Open	THDC		
27	Kalluru	Telangana	5 x 250+ 2 x 125	1500	Off Stream	Closed	TGGENCO		
28	Pashchim Ghat	Maharashtra	12 x 450	5400	Off Stream	Open	JSW Neo Energy		
29	Panaura	Uttar Pradesh	4x300 +2x150	1500	Off Stream	Closed	Adani Green		
30	Sikabadi	Odisha	2 x 300	600	Off Stream	Closed	GRIDCO		
31	Kumulsingi	Odisha	3 x 250	750	Off Stream	Closed	GRIDCO		
	Sub-Total (Off-River)	31	Nos.	49560	MW				

	Sub-Total (PSP Under S&I in CEA)	32	Nos.	50560	MW				
	Pumped Storage Projects under S&I not in CEA								
1	Balimela	Odisha	2x250	500	On Stream		OHPCL		
	Sub-Total (On-River)	1	Nos.	500	MW				
1	Sukhpura Off-Stream	Rajasthan	7x320 + 2x160	2560	Off Stream	Closed	Greenko		
2	vempalli	Andhra Pradesh	6x250	1500	Off Stream	Closed	JSW Energy		
3	Musakhanda	Uttar Pradesh	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited		
4	Kamalapadu	Andhra Pradesh	3x238 +2x118	950	Off Stream	Closed	APGENCO		
5	Koyna Nivakane	Maharashtra	8x 300 + 2x150	2700	Off Stream	Closed	Adani Green		
6	Rayavaram	Andhra Pradesh	5x250+2x125	1500	Off Stream	Closed	PGENCO & ONGC		
7	Gadikota	Andhra Pradesh	4x240+2x120	1200	Off Stream	Closed	PGENCO & NHPC		
8	Nayagaon	Maharashtra	5x334+2x165	2000	Off Stream	Closed	Greenko		

9	Shoma	Uttar Pradesh	7x300+2x150	2400	Off Stream	Closed	Torrent Power		
10	Pedakota	Andhra Pradesh	5x300+2x150	1800	Off Stream	Closed	Adani Green		
11	Bilaspur	Chhattisgarh	4x250	1000	Off Stream	Closed	Jindal Renewables		
12	Serula	Gujarat	6x160	960	Off Stream	Closed	GSECL		
13	Brahmani	Rajasthan	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited		
14	Juni kayaliwel	Gujarat	2x150	300	Off Stream	Closed	GSECL		
15	Amalpada	Gujarat	2x150	300	Off Stream	Closed	GSECL		
16	Juni Bavli	Gujarat	3x150	450	Off Stream	Open	GSECL		
17	Satkashi	Gujarat	2x165	330	Off Stream	Closed	GSECL		
18	Ukai	Gujarat	4x320 + 2x160	1600	Off Stream	Closed	Greenko		
19	Kamod	Maharashtra	7X250 + 2X125	2000	Off Stream	Closed	Megha Engineering		
20	Ghosla	Maharashtra	7 x 250 + 2 x 125	2000	Off Stream	Closed	Megha Engineering		
21	Kalu Patti	Uttar Pradesh	5 x 200	1000	Off Stream	Closed	Renew Hydro		
22	Longtarai	Tripura	4 x 200	800	Off Stream	Closed	NHPC		

23	Gujjili	Andhra Pradesh	8 x 300	2400	Off Stream	Closed	NECL		
24	Chittamvalasa	Andhra Pradesh	6 x 300	1800	Off Stream	Closed	NECL		
25	Upper kolab	Odisha	4 x 150	600	Off Stream	Open	OHPCL		
26	Warasgaon warangi	Maharashtra	5x300	1500	Off Stream	Closed	Adani Green		
27	Raiwada	Andhra Pradesh	2x300+2x150	900	Off Stream	Closed	Adani Green		
28	Howraghat	Assam	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green		
29	Moti Hojai	Assam	3 x 300 + 2 x 150	1200	Off Stream	Closed	Adani Green		
30	Adnadi	Maharashtra	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green		
31	Cherue	Uttar Pradesh	3 x 300 MW + 2 x 150 MW	1200	Off Stream	Closed	Adani Green		
32	AS-01	Assam		900	Off Stream	Closed	Greenko	Jan 2030	
	Sub-Total (Off-River)	32	Nos.	42050					
	Sub-Total (PSP Under S&I not in CEA)	33	Nos.	42550	MW				
	Total (Under S&I)	65	Nos.	93110	MW				
93	GRAND TOTAL			123625.60					