

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/Ant icipated Commissioning	Date of CEA Concurrence	REMARKS
			No. of units x Unit size(MW)	MW						
A. PSP IN OPERATION										
1	Tehri (2 units comissioned out of 4 units)	Uttarakhand	2x 250	500	On Stream		THDC	2025 (June 2025 & July 2025)	May , 1985	
2	Ghatgar	Maharashtra	2x125	250	On Stream		MAHAGENCO	2008 (250 MW)	17.03.1993	
3	Purulia	West Bengal	4x225	900	On Stream		WBSEDCL	2007.00		
4	Srisailem LBPH	Telangana	6x150	900	On Stream		TSGENCO	2001 (300 MW) 2002 (450 MW) 2003 (150 MW)		
5	Kadamparai	Tamil Nadu	4x100	400	On Stream		TANGEDCO	1987 (100 MW) 1988 (200 MW) 1989 (100 MW)		
6	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)		
7	Bhira	Maharashtra	1x150	150	On Stream		TATA Power	1927 (125 MW) 1949 (25 MW)		
8	Kadana	Gujarat	4x60	240	On Stream		GSECL			Presently not working in Pumping mode
9	Sardar Sarovar Project	Gujarat	6x200	1200	On Stream		SSNNL			Presently not working in Pumping mode
	Sub-Total (On- Stream)	9	Nos.	5245.60	MW					
1	Pinnapuram (7 units comissioned out of 8 units)	Andhra pradesh	5 x 240 +2 x 120	1440	Off Stream	Closed	Greenko Ltd	June 2025 (5 x 240 MW) August 2025(2 x 120 MW)	20.04.2022	
	Sub-Total (Off- Stream)	1	Nos.	1440	MW					
	Total	10	Nos.	6685.60	MW					
B. PSP UNDER CONSTRUCTION										
1	Tehri (2 units to be comissioned out of 4 units)	Uttarakhand	2x250	500	On Stream		THDC	2025-26 (Nov. '25)	May 1985	
2	Kundah (Stage I,II&III)	Tamil Nadu	4x125	500	On Stream		TANGEDCO	2025-27 (April 26)	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	2029-30 (Dec'29)	09.09.2024	
	Sub-Total (On- Stream)	4	Nos.	4350.00	MW					
1	Pinnapuram (1 unit to be comissioned out of 8 units)	Andhra Pradesh	1x240	240	Off Stream	Closed	Greenko Ltd	2025-26 (Sept 25)	20.04.2022	
2	Chitravathi	Andhra Pradesh	2 x 250	500	Off Stream	Open	Adani Renewable Energy Forty- Two Limited	2026-27 (Oct 26)	05.03.2025	
3	Bhivpuri	Maharashtra	4 x 200 + 2 x 100	1000	Off Stream	Open	TATA Power	2027-28 (Jan'28)	30.09.2024	
4	MP30 Gandhisagar	Madhya Pradesh	7x240 +2x120	1920	Off Stream	Open	Greenko MP01 IREP Private Limited	2028-29 (June 28)	19.12.2024	
5	Saundatti	Karnataka	320X4+160x2	1600	Off Stream	Closed	Greenko KA01 IREP Private Limited	2027-2028	29.07.2025	
6	Gandikota	Andhra Pradesh	4x250	1000	Off Stream	Open	Adani Renewable Energy Fifty One Limited	2029-2030	28.05.2025	
7	Bhavali	Maharashtra	5x250 + 2 x 125	1500	Off Stream	Open	JSW Energy PSP Two Limited	2028-2029	24.09.2024	
	Sub-Total (Off- Stream)	7	Nos.	7760	MW					
	Total	11	Nos.	12110.00	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	

	Sub-Total (Off-Stream)	3	Nos.	4080	MW				
	Total	4	Nos.	5080	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				
1	Pane	Maharashtra	5x250+2x150	1500	Off Stream	Open	JSW Energy		
	Sub-Total (Off-Stream)	1	Nos.	1500	MW				
	Total	2	Nos.	2140	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		•Upper reservoir-Upper Bhavani , LR- Avalanche Emerald •Agency-NTECL •Target date of DPR preparation-04/26 •Date of MOA-11.03.24
2	Balimela	Odisha	2x250	500	On Stream		OHPCCL		• UR- balimela existing reservoir & LR- to be constructed on Kharika johra Stream • Agency-OHPCL • Target date of DPR Preparation-06/26
	Sub-Total (On-River)	2	Nos.	1500	MW				
1	Upper kolab	Odisha	4 x 150	600	Off Stream	Open	OHPCCL		• UR- Upper Kolab & LR- Off Stream • Agency-OHPCL • Target date of DPR Preparation-06/26
2	Narihalla	Karnataka	2x150	300	Off Stream	Open	JSW Energy		•Upper Reservoir is proposed on minor rivulet draining into Narihalla Reservoir and Lower Reservoir- Narihalla Reservoir existing on Narihalla River • target date of DPR preparation- 03/26 • Agency- JSW Energy •Date of MOA-28.11.2022
3	Hasdeo bango	Chhattisgarh	4x200	800	Off Stream	Open	CSPGCL		• UR- off Stream , LR- Existing Hasdeo Bango Reservoir on Hasdeo River •Agency- CSPGCL •Date of MoA- 06.10.2023 •Target date of DPR Preparation-03/26
4	Sikaser	Chhattisgarh	4 x 300	1200	Off Stream	Open	CSPGCL		• UR- Off stream & LR-Sikaser Dam • Agency-CSPGCL • Target date of DPR Preparation-12/27
5	Rouni	Chhattisgarh	6 x 350	2100	Off Stream	Open	CSPGCL		• UR- Off river & LR- on river IB , tributary of Mahanadi • Agency-CSPGCL • Target date of DPR Preparation-12/27
6	Tarali	Maharashtra	5x300	1500	Off Stream	Open	Adani Green		•Upper Reservoir is proposed Offstream and Lower Reservoir is existing Tarali reservoir •Target date of DPR preparation- 08/25 •Agency-Adani Green Energy Ltd. •Date of MOA-28.06.2022
7	Warasgaon warangi	Maharashtra	5x300	1500	Off Stream	Open	Adani Green		•UR- proposed on minor nallah draining into Ambi river , LR- proposed on minor nallah draining into Kal river •Agency-Adani Green •Date of MOA-28.06.2022 •Target date of DPR Preparation-08/25
8	Karjat (Saidongar - 1)	Maharashtra	9x300 + 2x150	3000	Off Stream	Open	Torrent Power		• UR- off Stream , LR- Initial filling by rainfall yield of self-catchment of the lower reservoir only •Agency- Torrent Power •Date of MoA-06.06.2023 •Target date of DPR Preparation-08/25
9	Maval (Saidongar - 2)	Maharashtra	3x300 + 2x150	1200	Off Stream	Open	Torrent Power		• UR -off Stream & LR- Initial filling by rainfall yield of self-catchment of the lower reservoir only •Agency-Torrent Power •Date of MoA- 06.06.2023 •Target date of DPR Preparation-08/25
10	Savitri	Maharashtra	8 x 300	2400	Off Stream	Open	NHPC		• UR- Koyna river & LR- Savitri River • Agency-NHPC • Target date of DPR Preparation-12/25
11	Raiwada	Andhra Pradesh	2x300+2x150	900	Off Stream	Open	Adani Green		• UR on on a tabletop hill across a minor rivulet draining into a nallah & LR-across Sarada river • Target date of preparation of DPR- 08/25 • Agency-Adani Green Energy Ltd. •Date of MOA-23.05.2022
	Sub-Total (Off-River)	11	Nos.	15500	MW				
	Sub-Total (PSP Under S&I in CEA)	13	Nos.	17000	MW				
Pumped Storage Projects under S&I not in CEA									
1	Sukhpura Off-Stream	Rajasthan	7x320 + 2x160	2560	Off Stream	Closed	Greenko		•UR &LR-Off stream, Both Upper Reservoir & Lower Reservoirs are to be constructed.. •Target date for preparation of DPR – 12/25 •Agency- Greenco •Date of MOA-24.01.2023
2	Shahpur	Rajasthan	5x300 +2x150	1800	Off Stream	Closed	Greenko		•Offstream closed loop, UR &LR -off stream •Target date of preparation of DPR- 09/25 •Agency-Greenko •Date of MOA-18.12.2021

3	Sirohi	Rajasthan	3x400	1200	Off Stream	Closed	JSW Energy			• UR off stream, LR located across a minor rivulet draining into Sili Nallah, a tributary of Sipu river in West Banas river basin • Target date of preparation of DPR- 12/25 • Agency- JSW Energy • Date of MOA-24.01.2022 (acknowledgment letter to LOI)
4	vempalli	Andhra Pradesh	6x250	1500	Off Stream	Closed	JSW Energy			• UR & LR- both off stream • Target date of preparation of DPR-12/25 • Agency-JSW Energy • Date of MOA-25.01.2022
5	UP01	Uttar Pradesh	11x305+2x152.5	3660	Off Stream	Closed	Greenko			• UR & LR- both off stream • Target date of preparation of DPR- 07/25 • Agency-Greenko • Date of MOA-01.02.2023
6	Musakhand	Uttar Pradesh	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited			• UR & LR- both off stream • Agency- ACME Urja Two Private Limited • Target date of DPR preparation-12/25 • Date of MOA-'03.04.2023
7	Malshej Ghat Bhorande	Maharashtra	6 x 250	1500	Off Stream	Closed	Adani Green			• UR on Minor nallah draining into Kukadi river & LR-on Minor nallah draining Into Kalu river • Target date of preparation of DPR- 08/25 • Agency-Adani Green Energy Ltd. • Date of MoA- 28.06.2022
8	Kamalapadu	Andhra Pradesh	3x238 +2x118	950	Off Stream	Closed	APGENCO			• UR & LR- both off stream • Agency-APGENCO • Target date of preparation of DPR-08/25 • Date of MOA-23.08.2023
9	Koyna Nivakane	Maharashtra	8x 300 + 2x150	2700	Off Stream	Closed	Adani Green			• UR & LR-minor rivulet draining into Kera River/ Koyna river • Agency- Adani Green • Target date of DPR Preparation-06/25
10	Rayavaram	Andhra Pradesh	5x250+2x125	1500	Off Stream	Closed	APGENCO & ONGC			• UR & LR- on minor stream • Agency-APGENCO & ONGC • Target date of DPR preparation-03/26
11	Gadikota	Andhra Pradesh	4x240+2x120	1200	Off Stream	Closed	APGENCO & NHPC			• UR & LR- off stream • Agency-APGENCO • Target date of DPR preparation-03/26
12	Nayagaon	Maharashtra	5x334+2x165	2000	Off Stream	Closed	Greenko			• UR- Off Stream , LR- Minor Nallah Draining into Hivra river • Agency-Greenko • Date of MOA-16.01.2023 • Target date of DPR Preparation-08/25
13	Shoma	Uttar Pradesh	7x300+2x150	2400	Off Stream	Closed	Torrent Power			• UR- Off Stream , LR- Off Stream • Agency-Torrent Power • Date of MOA-20.01.2023 • Target date of DPR Preparation-12/25
14	Pedakota	Andhra Pradesh	5x300+2x150	1800	Off Stream	Closed	Adani Green			• UR & LR- on minor stream draining into the Sarada River • Agency-Adani Green • Date of MOA-23.05.2022 • Target date of DPR Preparation-03/26
15	Jhariya	Uttar Pradesh	5x270 + 2x135	1620	Off Stream	Closed	Jhariya AnantUrja			• UR & LR-off Stream • Agency- Jhariya Anant Urja • Date of MoA- 19.08.2023 • Target date of DPR Preparation-12/25
16	Chichlik	Uttar Pradesh	5x260 + 2x130	1560	Off Stream	Closed	Avaada			• UR & LR-off Stream • Agency- Avaada • Date of MoU- 03.04.2024 • Target date of DPR Preparation- 12/25
17	Bilaspur	Chhattisgarh	4x250	1000	Off Stream	Closed	Jindal Renewables			• UR & LR-off Stream • Agency-Jindal renewables • Date of MoA- 08.09.2023 • Target date of DPR Preparation-03/26
18	Serula	Gujarat	6x160	960	Off Stream	Closed	GSECL			• UR & LR-off Stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
19	Brahmani	Rajasthan	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited			• UR & LR- off stream • Agency-Acme Urja Two Pvt Ltd • Target date of DPR Preparation-12/25
20	Panaura	Uttar Pradesh	4x300 +2x150	1500	Off Stream	Closed	Adani Green			• UR & LR- off stream • Agency-Adani Green • Target date of DPR Preparation-12/25
21	Juni kayaliwel	Gujarat	2x150	300	Off Stream	Closed	GSECL			• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
22	Amalpada	Gujarat	2x150	300	Off Stream	Closed	GSECL			• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
23	Juni Bavli	Gujarat	3x150	450	Off Stream	Open	GSECL			• UR - off stream & LR- existing ukai reservoir • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
24	Satkashi	Gujarat	2x165	330	Off Stream	Closed	GSECL			• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
25	Ukai	Gujarat	4x320 + 2x160	1600	Off Stream	Closed	Greenko			• UR- off stream & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25
26	Kamod	Maharashtra	7X250 + 2X125	2000	Off Stream	Closed	Megha Engineering			• UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25

27	Masinta	Odisha	4 x 250	1000	Off Stream	Closed	NHPC			• UR- off stream & LR- off stream • Agency-NHPC • Target date of DPR Preparation-12/25
28	Ghosla	Maharashtra	7 x 250 + 2 x 125	2000	Off Stream	Closed	Megha Engineering			• UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
29	Dharoi	Gujarat	4 x 125	500	Off Stream	Open	GSECL			• UR- off stream & LR- Dharoi reservoir • Agency-GSECL • Target date of DPR Preparation-12/25
30	Kalu Patti	Uttar Pradesh	5 x 200	1000	Off Stream	Closed	Renew Hydro			• UR- Off stream & LR- off stream • Agency-Renew Hydro • Target date of DPR Preparation-12/27
31	Pawana Falyan	Maharashtra	8 x 300	2400	Off Stream	Closed	Avaada			• UR- Off stream & LR-off stream • Agency-Avaada • Target date of DPR Preparation-12/27
32	Longtarai	Tripura	4 x 200	800	Off Stream	Closed	NHPC			• UR- Off stream & LR-off stream • Target date of DPR Preparation-12/26
33	Gujjili	Andhra Pradesh	8 x 300	2400	Off Stream	Closed	NECL			• UR- Off stream & LR-off stream • Target date of DPR Preparation-12/26
34	Chittamvalasa	Andhra Pradesh	6 x 300	1800	Off Stream	Closed	NECL			• UR- Off stream & LR-off stream • Target date of DPR Preparation-12/26
	Sub-Total (PSP Under S&I not in CEA)	34	Nos.	49490	MW					
	Total (Under S&I)	47	Nos.	66490	MW					
74	GRAND TOTAL			92505.60						