

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	196	223220	259	280145.6
In Operation #	8	4595.60	2	2580	10	7175.60
Under Construction #	4	4100.00	7	9020	11	13120.00
DPR concurred by CEA/ Appraised by CEA	1	1000	5	8580	6	9580
Under Examination	1	640	-	-	1	640
Under S&I						
(i) Projects Under S&I in CEA	1	1000	25	38310	26	39310
(ii) Projects Under S&I not in CEA	1	500	32	42650	33	43150
(iii) MPPs Under S&I##	-	-	-	-	-	-
Total (i) +(ii)+(iii)	2	1500	57	80960	59	82460
DPR Returned for Resubmission						
Grand Total (Except in operation)	8	7240	69	98560	77	105800

#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	REMARKS
			No. of units x Unit size(MW)	MW						
A. PSP IN OPERATION										
1	Tehri (3 units commissioned 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	Srisailem 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			Presently not working in Pumping mode
8	Sardar Sarovar Project	Gujarat	6x200	1200	On Stream		SSNNL			Presently not working in Pumping mode
	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 commissioned out of 4 units)	Uttarakhand	1x250	250	On Stream		THDC	2025-26 (Mar'26)	May 1985	
2	Kundah (Stage I,II&III)	Tamil Nadu	4x125	500	On Stream		TANGEDCO	2026-27 (Sept 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	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 (Dec 26)	05.03.2025	
2	Bhivpuri	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	
	Sub-Total (Off-Stream)	7	Nos.	9020	MW					
	Total	11	Nos.	13120.00	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	
5	Karjat (Saidongar -1)	Maharashtra	9x300 + 2x150	3000	Off Stream	Open	Torrent Power		09.01.2026	
	Sub-Total (Off-Stream)	5	Nos.	8580	MW					
	Total	6	Nos.	9580	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			•Upper reservoir-Upper Bhavani , LR- Avalanche Emerald •Agency-NTECL •Target date of DPR preparation-06/26 Date of MoA/MoU-11.03.24
	Sub-Total (On-River)	1	Nos.	1000	MW					
1	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/MoU- 06.10.2023 •Target date of DPR Preparation-08/26
2	Sikaser	Chhattisgarh	4 x 300	1200	Off Stream	Open	CSPGCL			• UR- Off stream & LR-Sikaser Dam • Agency-CSPGCL • Target date of DPR Preparation-08/26
3	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-12/26
4	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/MoU- 06.06.2023 •Target date of DPR Preparation-11/26
5	Savitri	Maharashtra	8 x 300	2400	Off Stream	Open	NHPC			• UR- Koyna river & LR- Savitri River • Agency-NHPC • Target date of DPR Preparation-09/26 •Date of MoA/MoU- 06.06.2023(revised MoU on 03.09.2024)

6	Jhariya	Uttar Pradesh	5x270 + 2x135	1620	Off Stream	Closed	Jhariya AnantUrja			• UR & LR-off Stream • Agency- Jhariya Anant Urja • Date of MoA/MoU- 19.08.2023 • Target date of DPR Preparation-04/26
7	UP01	Uttar Pradesh	11x305+2x15 2.5	3660	Off Stream	Closed	Greenko			• UR & LR- both off stream • Target date of preparation of DPR- 04/26 • Agency-Greenko • Date of MoA/MoU-01.02.2023
8	Shahpur	Rajasthan	5x300 +2x150	1800	Off Stream	Closed	Greenko			• Offstream closed loop, UR & LR -off stream • Target date of preparation of DPR- 04/26 • Agency-Greenko • Date of MoA/MoU-18.12.2021
9	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- 04/26 • Agency- JSW Energy • Date of MoA/MoU-24.01.2022 (acknowledgment letter to LOI)
10	Chichlik	Uttar Pradesh	5x260 + 2x130	1560	Off Stream	Closed	Avaada			• UR & LR-off Stream • Agency- Avaada • Date of MoA/MoU- 03.04.2024 • Target date of DPR Preparation- 04/26
11	Masinta	Odisha	4 x 250	1000	Off Stream	Closed	NHPC			• UR- off stream & LR- off stream • Agency-NHPC • Target date of DPR Preparation-07/26 • Date of MoA/MoU- 23.06.2023
12	Motaraypura	Gujarat	4 x 250	1000	Off Stream	Open	GSECL			• UR- off stream & LR- existing Karjan Reservoir • Target date of DPR Preparation-12/26 • Date of MoA/MoU- 17.09.2024
13	Kumbhe	Maharashtra	4 x 275	1100	Off Stream	Open	NTPC			• UR- across the Nirabai River, a tributary of the Savitri River & LR- across a season nala • Target date of DPR Preparation-11/26
14	Kalu	Maharashtra	6 x 300	1800	Off Stream	Closed	NHPC			• UR- off stream & LR-Off Stream • Target date of DPR Preparation-11/26 • Date of MoA/MoU- 03.09.2024
15	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- 06/26 • Date of MoA/MoU-28.11.2022
16	Malshej Ghat	Maharashtra	4 x 300	1200	Off Stream	Closed	THDC			• UR- off stream & LR-Off Stream • Date of MoA/MoU-03.09.2024 • Target date of DPR preparation - 12/26
17	Dharoi	Gujarat	10 x125	1250	Off Stream	Open	GSECL			• UR- off stream & LR- Dharoi reservoir • Agency-GSECL • Date of MoA/MoU- 24.09.2025 • Target date of DPR preparation - 06/26
18	Dangri	Chhattisgarh	4 x 350	1400.00	Off Stream	Open	CSPGCL			• Date of MoA/MoU- 06.10.2023 • Target date of DPR preparation - 12/27
19	Humbarli Barmani	Maharashtra	6 x 250	1500.00	Off Stream	Open	THDC			• Date of MoA/MoU- 03.09.2024 • Target date of DPR preparation - 12/27
20	Pawana Falyan	Maharashtra	8 x 300	2400	Off Stream	Closed	Avaada			• UR- Off stream & LR-off stream • Agency-Avaada • Date of MoA/MoU- 31.07.2024 • Target date of DPR preparation - 12/26
21	Panari	Madhya Pradesh	5 x 300 + 2 x 150	1800	Off Stream	Open	Sri Siddharth Infratech & Services Pvt Ltd			• Date of MoA/MoU- 24.02.2025 • Target date of DPR preparation - 03/27
22	Koppolu	Andhra Pradesh	8 x 300	2400	Off Stream	Open	M/s Chinta Green Energy Pvt. Ltd.			• Target date of DPR preparation - 02/27
23	Aruna Kolamb	Uttar Pradesh	4 x 300	1200	Off Stream	Open	THDC			• Date of MoA- 3.9.2024 • Target date of DPR preparation - 12/27
24	Bhorande #	Maharashtra	6 x 250	1500	Off Stream	Closed	Adani Green			• Target date of DPR preparation - 12/27 • Date of MoA/MoU- 28.06.2022
25	Gosaintri	Bihar	4 x 230	920	Off Stream	Closed	Sun Hydro			• Target date of DPR preparation - 12/27 • Date of MoA/MoU- 28.06.2022
	Sub-Total (Off-River)	25	Nos.	38310	MW					
	Sub-Total (PSP Under S&I in CEA)	26	Nos.	39310	MW					

Pumped Storage Projects under S&I not in CEA									
1	Balimela	Odisha	2x250	500	On Stream		OHPCL		• UR- balimela exisiting reservoir & LR- to be constructed on Kharika johra Stream • Agency-OHPCL
Sub-Total (On-River)		1	Nos.	500	MW				
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.. • Agency- Greenko • Date of MOA-24.01.2023
2	vempalli	Andhra Pradesh	6x250	1500	Off Stream	Closed	JSW Energy		• UR & LR- both off stream • Agency-JSW Energy • Date of MoA/MoU-25.01.2022
3	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 • Date of MoA/MoU-03.04.2023
4	Kamalapadu	Andhra Pradesh	3x238 +2x118	950	Off Stream	Closed	APGENCO		• UR & LR- both off stream • Agency-APGENCO • Date of MoA/MoU-23.08.2023
5	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
6	Rayavaram	Andhra Pradesh	5x250+2x125	1500	Off Stream	Closed	APGENCO & ONGC		• UR & LR- on minor stream • Agency-APGENCO & ONGC
7	Gadikota	Andhra Pradesh	4x240+2x120	1200	Off Stream	Closed	APGENCO & NHPC		• UR & LR- off stream • Agency-APGENCO
8	Nayagaon	Maharashtra	5x334+2x165	2000	Off Stream	Closed	Greenko		• UR- Off Stream , LR- Minor Nallah Draining into Hivra river • Agency-Greenko • Date of MoA/MoU-16.01.2023
9	Shoma	Uttar Pradesh	7x300+2x150	2400	Off Stream	Closed	Torrent Power		• UR- Off Stream , LR- Off Stream • Agency-Torrent Power • Date of MoA/MoU-20.01.2023
10	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/MoU-23.05.2022
11	Bilaspur	Chhattisgarh	4x250	1000	Off Stream	Closed	Jindal Renewables		• UR & LR-off Stream • Agency-Jindal renewables • Date of MoA/MoU- 08.09.2023
12	Serula	Gujarat	6x160	960	Off Stream	Closed	GSECL		• UR & LR-off Stream • Agency-GSECL • Date of MoA/MoU-17.09.2024
13	Brahmani	Rajasthan	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited		• UR & LR- off stream • Agency-Acme Urja Two Pvt Ltd
14	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
15	Juni kayaliwel	Gujarat	2x150	300	Off Stream	Closed	GSECL		• UR & LR- off stream • Agency-GSECL • Date of MoA/MoU-17.09.2024
16	Amalpada	Gujarat	2x150	300	Off Stream	Closed	GSECL		• UR & LR- off stream • Agency-GSECL • Date of MoA/MoU-17.09.2024
17	Juni Bavli	Gujarat	3x150	450	Off Stream	Open	GSECL		• UR - off stream & LR- exisiting ukai reservoir • Agency-GSECL • Date of MoA/MoU-17.09.2024
18	Satkashi	Gujarat	2x165	330	Off Stream	Closed	GSECL		• UR & LR- off stream • Agency-GSECL • Date of MoA/MoU-17.09.2024
19	Ukai	Gujarat	4x320 + 2x160	1600	Off Stream	Closed	Greenko		• UR- off stream & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25
20	Kamod	Maharashtra	7X250 + 2X125	2000	Off Stream	Closed	Megha Engineering		• UR- off stream & LR- off stream • Agency-Megha engineering

21	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-03/26
22	Kalu Patti	Uttar Pradesh	5 x 200	1000	Off Stream	Closed	Renew Hydro			• UR- Off stream & LR-Off stream • Agency-Renew Hydro
23	Longtarai	Tripura	4 x 200	800	Off Stream	Closed	NHPC			• UR- Off stream & LR-off stream
24	Gujjili	Andhra Pradesh	8 x 300	2400	Off Stream	Closed	NECL			• UR- Off stream & LR-off stream
25	Chittamvalasa	Andhra Pradesh	6 x 300	1800	Off Stream	Closed	NECL			• UR- Off stream & LR-off stream
26	Upper kolab	Odisha	4 x 150	600	Off Stream	Open	OHPCL			• UR- Upper Kolab & LR- Off Stream • Agency-OHPC
27	Warasgaon warangi	Maharashtra	5x300	1500	Off Stream	Closed	Adani Green			•UR- proposed on minor nallah draining into Ambi river , LR- proposed on on minor nallah draining into Kal river •Agency-Adani Green •Date of MoA/MoU-28.06.2022
28	Raiwada	Andhra Pradesh	2x300+2x150	900	Off Stream	Closed	Adani Green			• UR on on a tabletop hill across a minor rivulet draining into a nallah & LR-across Sarada river • Agency-Adani Green Energy Ltd. •Date of MoA/MoU-23.05.2022
29	Howraghat	Assam	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green			•UR &LR- to be constructed newly •Date of MoA/MoU-24.07.2025
30	Moti Hojai	Assam	3 x 300 +2 x 150	1200	Off Stream	Closed	Adani Green			•UR &LR- to be constructed newly •Date of MoA/MoU-26.8.2025
31	Adnadi	Maharashtra	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green			•UR &LR- to be constructed newly •Date of MoA/MoU-15.07.2025
32	Cherue	Uttar Pradesh	3 x 300 + 2 x 150	1200	Off Stream	Closed	Adani Green			•UR &LR- to be constructed newly •Date of MoA/MoU-01.07.2025
	Sub-Total (Off-River)	32	Nos.	42650						
	Sub-Total (PSP Under S&I not in CEA)	33	Nos.	43150	MW					
	Total (Under S&I)	59	Nos.	82460	MW					
87	GRAND TOTAL			112975.60						

project name changed from Malshej Ghat Bhorande to Bhorande