

STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA

	ON STREAM PSP (Generating PSPs)		OFF STREAM PSP (Storage PSPs)				TOTAL PSP (ON STREAM + OFF STREAM)	
			Off Stream Open Loop		Off Stream Closed Loop			
Category	No. of projects	Capacity (MW)	No. of projects	Capacity (MW)	No. of projects	Capacity (MW)	No. of projects	Capacity (MW)
Potential	62	56126	70	74270	162	179709	294	310104.6
In Operation	8	4845.6			2	2580	10	7425.6
Under Construction	3	3850	7	10420	1	1600	11	15870
DPR concurred by CEA/ Appraised by CEA	1	1000	3	3900	2	3240	6	8140
Under Examination	1	640					1	640
Under S&I								
(i) Projects Under S&I in CEA	1	1000	17	28050	19	29090	37	58140
(ii) Projects Under S&I not in CEA	1	500	2	1050	26	33800	29	35350
Total (i) +(ii)	2	1500	19	29100	45	62890	66	93490
DPR Returned for Resubmission								
Grand Total (Except in operation)	7	6990	29	43420	48	67730	84	118140

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

S.No.	Pumped Storage Project	State	District	CAPACITY		On Stream/ Off Stream	Loop (Open /Closed)	Developer	Actual Commissioning/Anticipated Commissioning	Date of CEA Concurrence
				No. of units x Unit size(MW)	MW					
A. PSP IN OPERATION										
1	Kadana	Gujarat	Mahisagar	4x60	240	On Stream		GSECL		
2	Sardar Sarovar Project	Gujarat	Narmada	6x200	1200	On Stream		SSNNL		
3	Ghatgar	Maharashtra	Thane	2x125	250	On Stream		MAHAGENCO	2008 (250 MW)	17.03.1993
4	Bhira	Maharashtra	Raigad	1x150	150	On Stream		TATA Power	1927 (125 MW) 1949 (25 MW)	
5	Tehri	Uttarakhand	Tehri Garhwal	4x 250	1000	On Stream		THDC	2025 (June 2025, July 2025 Dec'2025 & April 2026)	May , 1985
6	Srisaillam LBPH	Telangana	Nalgonda	6x150	900	On Stream		TSGENCO	2001 (300 MW) 2002 (450 MW) 2003 (150 MW)	
7	Kadamparai	Tamil Nadu	Coimbatore	4x100	400	On Stream		TANGEDCO	1987 (100 MW) 1988 (200 MW) 1989 (100 MW)	
8	Nagarjuna Sagar	Telangana	Karnool	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)	
	Sub-Total (On-Stream)	8		Nos.	4846	MW				
1	Pinnapuram	Andhra pradesh	Kurnool	6 x 240 +2 x 120	1680	Off Stream	Closed	Greenko Ltd	June 2025 (5 x 240 MW) August 2025(2 x 120 MW) October (1 x 240 MW)	20.04.2022
2	Purulia	West Bengal	Purulia	4x225	900	Off Stream	Closed	WBSEDCL	2007	
	Sub-Total (Off-Stream)	2		Nos.	2580	MW				
	Total (In-operation)	10		Nos.	7425.60	MW				
B. PSP UNDER CONSTRUCTION										
1	Upper Sileru	Andhra Pradesh	Alluri Sitharamaraju	9 x 150	1350	On Stream		APGENCO	2028-29 (Feb 2029)	13.06.2023
2	Sharavathy	Karnataka	Upper dam (Shimoga) & Lower dam (Uttara Kannada)	8 x 250	2000	On Stream		KPCL	2032-33 (May'32)	09.09.2024
3	Kundah (Stage I,II&III)	Tamil Nadu	Nilgiris	4x125	500	On Stream		TANGEDCO	2026-27 (Feb 27)	03.12.2008
	Sub-Total (On-Stream)	3		Nos.	3850	MW				
1	Chitravathi	Andhra Pradesh	Satya Sai	2 x 250	500	Off Stream	Open	Adani Renewable Energy Forty-Two Limited	2026-27 (Feb 27)	05.03.2025
2	Gandikota	Andhra Pradesh	Kadapa	4 X 250	1000	Off Stream	Open	Adani Renewable Energy Fifty One Limited	2028-29 (Mar' 2029)	28.05.2025
3	Saundatti	Karnataka	Belagavi	320X4+160x2	1600	Off Stream	Closed	Greenko KA01 IREP Private Limited	2027-28 (Dec' 2027)	29.07.2025
4	MP30 Gandhisagar	Madhya Pradesh	Neemuch	7x240 +2x120	1920	Off Stream	Open	Greenko MP01 IREP Private Limited	2026-27 (Dec26)	19.12.2024

5	Bhivpuri	Maharashtra	Raigad	4 x 200 + 2 x 100	1000	Off Stream	Open	TATA Power	2028-29(Feb '29)	30.09.2024
6	Bhawali	Maharashtra	Nashik & Thane	5x250 + 2 x 125	1500	Off Stream	Open	JSW Energy PSP Two limited	2028-29 (Dec' 2028)	24.09.2024
7	Tarali	Maharashtra	Satara	5x300	1500	Off Stream	Open	Adani Green	2029-30 (June 29)	15.01.2026
8	Karjat (Saidongar -1)	Maharashtra	Raigad	9x300 + 2x150	3000	Off Stream	Open	Torrent Power	2029-30 (Dec'29)	09.01.2026
	Sub-Total (Off-Stream)	8		Nos.	12020	MW				
	Total (Under Construction)	11		Nos.	15870.00	MW				
C. PSP DPR CONCURRED BY CEA AND YET TO BE TAKEN UP FOR CONSTRUCTION										
1	Turga	West Bengal	Purulia	4x250	1000	On Stream		WBSEDCL	2031-32	05.10.16
	Sub-Total (On-Stream)	1		Nos.	1000	MW				
1	Shirwata	Maharashtra	Raigad	5x300 +2x150	1800	Off Stream	Open	Tata Power	2030-31	07.09.2025
2	Pane	Maharashtra	Raigad	5x250+2x125	1500	Off Stream	Open	JSW Energy	2030-31	18.09.2025
3	Upper Indravati	Odisha	Kalahandi	4x150	600	Off Stream	Open	OHPC	2032-33	19.08.24
4	Kandhaura	Uttar Pradesh	Sonbhadra	5x280+2x140	1680	Off Stream	Closed	JSW Energy PSP Six ltd	2029-30	13.06.2025
5	Chichlik	Uttar Pradesh	Sonbhadra	5x260 + 2x130	1560	Off Stream	Closed	Avaada	2029-30	The project was appraised by CEA in authority meeting dated 16.06.2026. Final appraisal letter yet to be issued
	Sub-Total (Off-Stream)	5		Nos.	7140	MW				
	Total (Concurred)	6		Nos.	8140	MW				
D. PSP UNDER EXAMINATION										
1	Indira Sagar	Madhya pradesh	Khandwa	8 x 80	640	On Stream		NHDC Ltd	2030-31	
	Sub-Total (On-Stream)	1		Nos.	640	MW				
	Total (Under Examination)	1		Nos.	640	MW				
E. PSP UNDER SURVEY & INVESTIGATION										
	Pumped Storage Projects under S&I in CEA									
1	Upper Bhavani	Tamil Nadu	Nilgiris	4 x 250	1000	On Stream		NTECL	2031-32	
	Sub-Total (On-River)	1		Nos.	1000	MW				
1	Koppolu	Andhra Pradesh	YSR Kadapa	8 x 300	2400	Off Stream	Open	M/s Chinta Green Energy Pvt. Ltd.		
2	Assam PSP -05	Assam	West Karbi Anglong	4 x 325	1300	Off Stream	Closed	Hinduja Renewables Energy Pvt. Ltd.		

3	Gosaintri	Bihar	Nawada	4 x 230	920	Off Stream	Closed	Sun Hydro		
4	Hasdeo bango	Chhattisgarh	Korba	4x200	800	Off Stream	Open	CSPGCL	2033-34	
5	Sikaser	Chhattisgarh	Gariyaband	4 x 300	1200	Off Stream	Open	CSPGCL	2033-34	
6	Rouni	Chhattisgarh	Jashpur	6 x 350	2100	Off Stream	Open	CSPGCL	2033-34	
7	Dangri	Chhattisgarh	Jashpur	4 x 350	1400.00	Off Stream	Open	CSPGCL		
8	Kotpalli	Chhattisgarh	Balrampur	6 x 300	1800	Off Stream	Closed	CSPGCL		
9	Bilaspur	Chhattisgarh	Bilaspur	4x250	1000	Off Stream	Closed	Jindal Renewables	2030-31	
10	Motaraypura	Gujarat	Narmada	4 x 250	1000	Off Stream	Open	GSECL	2034-35	
11	Dharoi	Gujarat	Banaskantha	10 x125	1250	Off Stream	Open	GSECL	2032-33	
12	Narihalla	Karnataka	Bellary	2x150	300	Off Stream	Open	JSW Energy	2029-30	
13	Panari	Madhya Pradesh	Panna	5 x 300 + 2 x 150	1800	Off Stream	Open	Sri Siddharth Infratech & Services Pvt Ltd		
14	Maval (Saidongar -2)	Maharashtra	Pune & Raigad	3x300 + 2x150	1200	Off Stream	Open	Torrent Power	2032-33	
15	Savitri	Maharashtra	Satara-Raigad	8 x 300	2400	Off Stream	Open	NHPC	2033-34	
16	Kumbhe	Maharashtra	Raigad	4 x 275	1100	Off Stream	Open	NTPC		
17	Kalu	Maharashtra	Pune & Thane	6 x 300	1800	Off Stream	Closed	NHPC	2035-36	
18	Malshej Ghat	Maharashtra	Pune & Thane	4 x 300	1200	Off Stream	Closed	THDC	2034-35	
19	Humarli Barmani	Maharashtra	Satara-Ratnagiri	6 x 250	1500.00	Off Stream	Open	THDC		
20	Pawana Falyan	Maharashtra	Pune-Raigad	8 x 300	2400	Off Stream	Closed	Avaada	2033-34	
21	Aruna Kolamb	Maharashtra	Kolhapur - Ratnagiri	4 x 300	1200	Off Stream	Open	THDC		

22	Bhorande	Maharashtra	Pune & Thane	6 x 250	1500	Off Stream	Closed	Adani Green		
23	Aruna	Maharashtra	Kolhapur/Sindhudurg	6 x 250	1500	Off Stream	Open	THDC		
24	Pashchim Ghat	Maharashtra	Pune-Raigad	12 x 450	5400	Off Stream	Open	JSW Neo Energy		
25	Warangi	Maharashtra	Pune-Raigad	5x300	1500	Off Stream	Closed	Adani Green	2030-31	
26	Amba	Maharashtra	Pune-Raigad	6 x 250	1500	Off Stream	Open	NTPC		
27	Koyna Nivakane	Maharashtra	Satara	8x 300 + 2x150	2700	Off Stream	Closed	Adani Green	2030-31	
28	Masinta	Odisha	Deogarh	4 x 250	1000	Off Stream	Closed	NHPC	2031-32	
29	Sikabadi	Odisha	Gajapati	2 x 300	600	Off Stream	Closed	GRIDCO		
30	Kumulsingi	Odisha	Gajapati	3 x 250	750	Off Stream	Closed	GRIDCO		
31	Shahpur	Rajasthan	Baran	5x300 +2x150	1800	Off Stream	Closed	Greenko	2030-31	
32	Sirohi	Rajasthan	Sirohi	3x400	1200	Off Stream	Closed	JSW Energy	2030-31	
33	Kalluru	Telangana	Khammam	5 x 250+ 2 x 125	1500	Off Stream	Closed	TGGENCO		
34	Jhariya	Uttar Pradesh	Sonbhadra	5x270 + 2x135	1620	Off Stream	Closed	Jhariya AnantUrja	2032-33	
35	UP01	Uttar Pradesh	Sonbhadra	10 x 300	3000	Off Stream	Closed	Greenko	2030-31	
36	Panaura	Uttar Pradesh	Sonbhadra	4x300 +2x150	1500	Off Stream	Closed	Adani Green	2029-30	
	Sub-Total (Off-River)	36		Nos.	57140	MW				
	Sub-Total (PSP Under S&I in CEA)	37		Nos.	58140	MW				
Pumped Storage Projects under S&I not in CEA										
1	Balimela	Odisha	Malkangiri	2x250	500	On Stream		OHPCL		
	Sub-Total (On-River)	1		Nos.	500	MW				
1	vempalli	Andhra Pradesh	YSR Kadapa	6x250	1500	Off Stream	Closed	JSW Energy	2030-31	
2	Kamalapadu	Andhra Pradesh	Ananthapuramu	3x238 +2x118	950	Off Stream	Closed	APGENCO	2030-31	
3	Rayavaram	Andhra Pradesh	Annamayya	5x250+2x125	1500	Off Stream	Closed	APGENCO & ONGC	2032-33	
4	Gadikota	Andhra Pradesh	Annamayya	4x240+2x120	1200	Off Stream	Closed	APGENCO & NHPC	2032-33	
5	Pedakota	Andhra Pradesh	Alluri Seetharama Raju	5x300+2x150	1800	Off Stream	Closed	Adani Green	2031-32	

6	Gujjili	Andhra Pradesh	Alluri Sitharama Raju	8 x 300	2400	Off Stream	Closed	NECL	2035-36	
7	Chittamvalasa	Andhra Pradesh	Alluri Sitarama Raju	6 x 300	1800	Off Stream	Closed	NECL	2035-36	
8	Raiwada	Andhra Pradesh	Anakapalle	2x300+2x150	900	Off Stream	Closed	Adani Green	2030-31	
9	Howraghat	Assam	Karbi Anglong	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green	2034-35	
10	Moti Hojai	Assam	Dima Hasao	3 x 300 +2 x 150	1200	Off Stream	Closed	Adani Green	2034-35	
11	AS-01	Assam	West Karbi Anglong		900	Off Stream	Closed	Greenko	Jan 2030	
12	Serula	Gujarat	Tapi	6x160	960	Off Stream	Closed	GSECL	2032-33	
13	Juni kayaliwel	Gujarat	Tapi	2x150	300	Off Stream	Closed	GSECL	2033-34	
14	Amalpada	Gujarat	Tapi	2x150	300	Off Stream	Closed	GSECL	2033-34	
15	Juni Bavli	Gujarat	Tapi	3x150	450	Off Stream	Open	GSECL	2033-34	
16	Satkashi	Gujarat	Tapi	2x165	330	Off Stream	Closed	GSECL	2033-34	
17	Ukai	Gujarat	Tapi	4x320 + 2x160	1600	Off Stream	Closed	Greenko	2029-30	
18	Nayagaon	Maharashtra	Chhatrapati Sambhajanagar	5x334+2x165	2000	Off Stream	Closed	Greenko	2029-30	
19	Ghosla	Maharashtra	Aurangabad	7 x 250 + 2 x 125	2000	Off Stream	Closed	Megha Engineering	2031-32	
20	Adnadi	Maharashtra	Amravati	4 x 300 + 2 x 150	1500	Off Stream	Closed	Adani Green	2035-36	
21	Upper kolab	Odisha	Koraput	4 x 150	600	Off Stream	Open	OHPCL	2033-34	
22	Sukhpura Off-Stream	Rajasthan	Chittorgarh	7x320 + 2x160	2560	Off Stream	Closed	Greenko	2032-33	
23	Brahmani	Rajasthan	Chittorgarh	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited	2032-33	
24	Longtarai	Tripura	Dhalai	4 x 200	800	Off Stream	Closed	NHPC	2034-35	
25	Musakhand	Uttar Pradesh	Chandauli	2x200+2x100	600	Off Stream	Closed	ACME Urja Two Private Limited	2032-33	
26	Shoma	Uttar Pradesh	Sonbhadra	7x300+2x150	2400	Off Stream	Closed	Torrent Power	2030-31	

27	Kalu Patti	Uttar Pradesh	Pune & Thane	5 x 200	1000	Off Stream	Closed	Renew Hydro	2033-34	
28	Cherue	Uttar Pradesh	Sonbhadra	3 × 300 MW + 2 × 150 MW	1200	Off Stream	Closed	Adani Green		
	Sub-Total (Off-River)	28		Nos.	34850					
	Sub-Total (PSP Under S&I not in CEA)	29		Nos.	35350	MW				
	Total (Under S&I)	66		Nos.	93490	MW				
94	GRAND TOTAL				125565.60					