

STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA						
	ON RIVER		OFF RIVER		TOTAL	
Category	No of projects #	Installed capacity (MW)	No of projects #	Installed capacity (MW)	No of projects #	Installed capacity (MW)
In Operation #	9	4995.60	1	1200	10	6195.60
Under Construction #	4	4600	4	3900	8	8500.00
DPR concurred by CEA	2	2500	3	3280	5	5780.00
Under Examination	1	640	1	1600	2	2240.00
Under S&I	2	1500	44	63290	46	64790.00
Grand Total	17	14235.60	52	73270	69	87505.6

#Out of total four units (4 x 250 MW) one unit of Tehri PSP(250MW) has been commissioned during June,2025 and Out of total eight units (6 x240 MW + 2 x 120 MW) five units of Pinnapuram PSP(5 x 240MW=1200MW) has been commissioned during June,2025.

Therefore,Tehri PSP and Pinnapuram PSP are in under construction & in Operation Category.

STATUS OF ON-RIVER PUMPED STORAGE DEVELOPMENT IN INDIA
(Installed Capacity above 25 MW)

S.No.	Pumped Storage Project	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
A. <u>PSP IN OPERATION</u>					
a) Working in Pumping Mode					
1	Nagarjuna Sagar	Telangana	7x100.80	705.60	
2	Srisailem LBPH	Telangana	6x150	900	
3	Kadamparai	Tamil Nadu	4x100	400	
4	Bhira	Maharashtra	1x150	150	
5	Ghatgar	Maharashtra	2x125	250	
6	Purulia	West Bengal	4x225	900	
7	Tehri #	Uttarakhand	1 x 250	250	
			Sub Total	3555.60	
b) Presently not working in Pumping Mode					
1	Kadana	Gujarat	4x60	240	
2	Sardar Sarovar Project	Gujarat	6x200	1200	
			Sub total	1440	
9			Grand Total	4995.60	
B. <u>PSP UNDER CONSTRUCTION</u>					
a) Under Active Construction					
1	Tehri #	Uttarakhand	3x250	750	Likely commissioning by 2025-26 (Oct.'25)
2	Kundah (Stage I,II&III)	Tamil Nadu	4x125	500	Likely commissioning by 2025-27 (April 26) #
3	Upper Sileru	Andhra Pradesh	9 x 150	1350	Likely commissioning by 2028-29 (Feb 2029)
4	Sharavathy	Karnataka	8 x 250	2000	Likely commissioning by2029-30 (Dec'29)
			Total	4600	
4			Grand Total	4600	
C. <u>PSP UNDER EXAMINATION</u>					
1	Indira Sagar	Madhya pradesh	6x80+1x45	640	
1	TOTAL			640	
C. <u>PSP DPR CONCURRED BY CEA</u>					
1	Turga	West Bengal	4x250	1000	Date of Concurrence- 05.10.16
2	Bhawali	Maharashtra	5x250 + 2 x 125	1500	Date of Concurrence-24.09.24
2			Total	2500	
D. <u>PSP UNDER SURVEY & INVESTIGATION</u>					
1	Upper Bhavani	Tamil Nadu	4 x 250	1000	•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	• UR- balimela exisiting reservoir & LR- to be constructed on Kharika johra Stream • Agency-OHPCL • Target date of DPR Preparation-06/26
2	Total			1500	
17	GRAND TOTAL (On-river)			13595.60	

#Out of total four units (4 x 250 MW) one unit of Tehri PSP(250MW) has been commissioned during June,2025

STATUS OF OFF-RIVER PUMPED STORAGE DEVELOPMENT IN INDIA
(Installed Capacity above 25 MW)

S.No.	Pumped Storage Project	State	INSTALLED CAPACITY		Remarks
			No. of units x Unit size(MW)	MW	
A. PSP IN OPERATION					
1	Pinnapuram ##	Andhra pradesh	5 x 240	1200	
1	TOTAL			1200	
B. PSP UNDER CONSTRUCTION					
1	Pinnapuram ##	Andhra Pradesh	1x240+2x120	480	Likely commsiioning by 2025-26 (Sept 25)
2	MP30 Gandhisagar	Madhya Pradesh	7x240 +2x120	1920	Likely commsiioning by 2028-29 (June 28)
3	Chitravathi	Andhra Pradesh	2 x 250	500	Likely commissioning by 2026-27 (Oct 26)
4	Bhivpuri	Maharashtra	4 x 200 + 2 x 100	1000	Likely commissioning by 2027-28 (Jan'28)
4	TOTAL			3900	
C. DPR CONCURRED BY CEA					
1	Upper Indravati	Odisha	4x150	600	Date of Concurrence-19.08.24
2	Gandikota	Andhra Pradesh	7 x 240 + 2 x 120	1000	Date of Concurrence- 28.05.2025
3	Kandhaura	Uttar Pradesh	5x280+2x140	1680	Date of Concurrence- 13.06.2025
3	TOTAL			3280	
D. PSP UNDER EXAMINATION					
1	Saundatti	Karnataka	320X4+160x2	1600	
1	TOTAL			1600	
E. PSP UNDER SURVEY & INVESTIGATION					
1	Narihalla	Karnataka	2x150	300	•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
2	Tarali	Maharashtra	5x300	1500	•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
3	Shirwata	Maharashtra	5x300 +2x150	1800	•Upper Reservoir is off stream and Lower Reservoir is existing Shirawata reservoir •Agency-TATA power •Target date of preparation of DPR- 12/25 •Date of MOA-08.08.2023
4	Sukhpura Off-Stream	Rajasthan	7x320 + 2x160	2560	•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
5	Shahpur	Rajasthan	5x300 +2x150	1800	•Offstream closed loop, UR &LR -off stream •Target date of preparation of DPR- 09/25 •Agency-Greenko •Date of MOA-18.12.2021
6	Sirohi	Rajasthan	3x400	1200	• 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)
7	Pane	Maharashtra	5x250+2x150	1500	•UR-Offstream LR-connected to a small stream which joins the downstream Kal river •Target date of preparation of DPR-08/25 •Agency- JSW Energy •Date of MOA-29.09.2022
8	vempalli	Andhra Pradesh	6x250	1500	• UR & LR- both off stream • Target date of preparation of DPR-12/25 • Agency-JSW Energy •Date of MOA-25.01.2022
9	UP01	Uttar Pradesh	11x305+2x152.5	3660	• UR & LR- both off stream • Target date of preparation of DPR- 07/25 • Agency-Greenko •Date of MOA-01.02.2023

S.No.	Pumped Storage Project	State	INSTALLED CAPACITY		Remarks
			No. of units x Unit size(MW)	MW	
10	Musakhand	Uttar Pradesh	2x200+2x100	600	• UR & LR- both off stream • Agency- ACME Urja Two Private Limited • Target date of DPR preparation-12/25 • Date of MOA-'03.04.2023
11	Raiwada	Andhra Pradesh	2x300+2x150	900	• 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
12	Malshej Ghat Bhorande	Maharashtra	6 x 250	1500	• 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
13	Kamalapadu	Andhra Pradesh	3x238 +2x118	950	• UR & LR- both off stream • Agency-APGENCO • Target date of preparation of DPR-08/25 • Date of MOA-23.08.2023
14	Warasgaon warangi	Maharashtra	5x300	1500	• 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-28.06.2022 • Target date of DPR Preparation-08/25
15	Koyna Nivakane	Maharashtra	8x 300 + 2x150	2700	• UR & LR-minor rivulet draining into Kera River/ Koyna river • Agency- Adani Green • Target date of DPR Preparation-06/25
16	Rayavaram	Andhra Pradesh	5x250+2x125	1500	• UR & LR- on minor stream • Agency-APGENCO & ONGC • Target date of DPR preparation-03/26
17	Gadikota	Andhra Pradesh	4x240+2x120	1200	• UR & LR- off stream • Agency-APGENCO • Target date of DPR preparation-03/26
18	Nayagaon	Maharashtra	5x334+2x165	2000	• 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
19	Shoma	Uttar Pradesh	7x300+2x150	2400	• UR- Off Stream , LR- Off Stream • Agency-Torrent Power • Date of MOA-20.01.2023 • Target date of DPR Preparation-12/25
20	Pedakota	Andhra Pradesh	5x300+2x150	1800	• 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
21	Jhariya	Uttar Pradesh	5x270 + 2x135	1620	• UR & LR-off Stream • Agency- Jhariya Anant Urja • Date of MoA- 19.08.2023 • Target date of DPR Preparation-12/25
22	Chichlik	Uttar Pradesh	5x260 + 2x130	1560	• UR & LR-off Stream • Agency- Avaada • Date of MoU- 03.04.2024 • Target date of DPR Preparation- 12/25
23	Karjat (Saidongar - 1)	Maharashtra	9x300 + 2x150	3000	• 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
24	Hasdeo bango	Chhattisgarh	4x200	800	• 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
25	Bilaspur	Chhattisgarh	4x250	1000	• UR & LR-off Stream • Agency-Jindal renewables • Date of MoA- 08.09.2023 • Target date of DPR Preparation-03/26
26	Maval (Saidongar - 2)	Maharashtra	3x300 + 2x150	1200	• 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
27	Serula	Gujarat	6x160	960	• UR & LR-off Stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024

S.No.	Pumped Storage Project	State	INSTALLED CAPACITY		Remarks
			No. of units x Unit size(MW)	MW	
28	Brahmani	Rajasthan	2x200+2x100	600	• UR & LR- off stream • Agency-Acme Urja Two Pvt Ltd • Target date of DPR Preparation-12/25
29	Panaura	Uttar Pradesh	4x300 +2x150	1500	• UR & LR- off stream • Agency-Adani Green • Target date of DPR Preparation-12/25
30	Juni kayaliwel	Gujarat	2x150	300	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
31	Amalpada	Gujarat	2x150	300	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
32	Juni Bavli	Gujarat	3x150	450	• UR - off stream & LR- exisiting ukai reservoir • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
33	Satkashi	Gujarat	2x165	330	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
34	Ukai	Gujarat	4x320 + 2x160	1600	• UR- off stream & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25
35	Kamod	Maharashtra	7X250 + 2X125	2000	• UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
36	Masinta	Odisha	4 x 250	1000	• UR- off stream & LR- off stream • Agency-NHPC • Target date of DPR Preparation-12/25
37	Ghosla	Maharashtra	7 x 250 + 2 x 125	2000	• UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
38	Dharoi	Gujarat	4 x 125	500	• UR- off stream & LR- Dharoi reservoir • Agency-GSECL • Target date of DPR Preparation-12/25
39	Upper kolab	Odisha	4 x 150	600	• UR- Upper Kolab & LR- Off Stream • Agency-OHPC • Target date of DPR Preparation-06/26
40	Savitri	Maharashtra	8 x 300	2400	• UR- Koyna river & LR- Savitri River • Agency-NHPC • Target date of DPR Preparation-12/25
41	Rouni	Chhattisgarh	6 x 350	2100	• UR- Off river & LR- on river IB , tributary of Mahanadi • Agency-CSPGCL • Target date of DPR Preparation-12/27
42	Kalu Patti	Uttar Pradesh	5 x 200	1000	• UR- Off stream & LR-Off stream • Agency-Renew Hydro • Target date of DPR Preparation-12/27
43	Sikaser	Chhattisgarh	4 x 300	1200	• UR- Off stream & LR-Sikaser Dam • Agency-CSPGCL • Target date of DPR Preparation-12/27
44	Pawana Falyan	Maharashtra	8 x 300	2400	• UR- Off stream & LR-off stream • Agency-Avaada • Target date of DPR Preparation-12/27
44	Total			63290	
51	GRAND TOTAL(Off-River)			70470	

Out of total eight units (6 x240 Mw + 2 x 120 MW) five units of Pinnapuram PSP(5 x 240MW=1200MW) has been commissioned during June,2025.