

STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA						
	ON RIVER		OFF RIVER		TOTAL	
Region/ State	No of projects	Installed capacity (MW)	No of projects	Installed capacity (MW)	No of projects	Installed capacity (MW)
In Operation	8	4745.60			8	4745.60
Under Construction	4	4850	4	5100	8	9950.00
DPR concurred by CEA	2	2500	2	1600	4	4100.00
Under Examination	-	-	1	1680	1	1680.00
Under S&I	3	2140	42	59090	45	61230.00
Grand Total	17	14235.60	49	67470	66	81705.6

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

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
A. <u>SCHEMES CONSTRUCTED</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	
			Sub Total	3305.60	
b) Presently not working in Pumping Mode					
1	Kadana	Gujarat	4x60	240	
2	Sardar Sarovar Project	Gujarat	6x200	1200	
			Sub total	1440	
8			Grand Total	4745.60	
B. <u>SCHEMES UNDER CONSTRUCTION</u>					
a) Under Active Construction					
1	Tehri St.-II	Uttarakhand	4x250	1000	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	4850	
4			Grand Total	4850	
C. <u>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>SCHEMES UNDER SURVEY & INVESTIGATION</u>					
1	Indira Sagar	Madhya pradesh	6x80+1x45	640	•Upper reservoir-ISP reservoir , LR- Omkareshwar reservoir •Agency-NHDC •Target date of DPR preparation-06/24 •Date of MOA-07.06.2023
2	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
3	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
3	Total			2140	
17	GRAND TOTAL (On-river)			14235.60	

#3 units (375 MW) likely during 2025-26, 1 unit (125 MW) likely during 2026-27.

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

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
A. <u>SCHEMES UNDER CONSTRUCTION</u>					
1	Pinnapuram	Andhra Pradesh	4x240+2x120	1680	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			5100	
B. <u>DPR CONCURRED BY CEA</u>					
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
2	TOTAL			1600	
C. <u>UNDER EXAMINATION</u>					
1	Kandhaura	Uttar Pradesh	5x280+2x140	1680	
1	TOTAL			1680	
D. <u>SCHEMES UNDER SURVEY & INVESTIGATION</u>					
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	Saundatti	Karnataka	320X4+160x2	1600	•Upper Reservoir is proposed Off Stream and Lower Reservoir is on RenukaSagar which is existing on Malaprabha river •Target date for preparation of DPR – 07/25 •Agency-Greenko •Date of MOA-12.03.18. Revised approval on 27.02.19
3	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
4	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
5	Somasila	Andhra Pradesh	4x225	900	•Both Upper & Lower Reservoirs are proposed off stream • Target date of Preparation of DPR-12/25 •Agency- Shirdi Sai Electricals Ltd. •Date of MOA-19.01.2023
6	Sukhpura Off-Stream	Rajasthan	7x320 + 2x160	2560	•UR &LR-Off stream, Both Upper Reservoir & Lower Reservoirs are to be contructed.. •Target date for preparation of DPR – 12/25 •Agency- Greenco •Date of MOA-24.01.2023
7	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
8	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)
9	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
10	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

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Rayavaram	Andhra Pradesh	5x250+2x125	1500	• UR & LR- on minor stream • Agency-APGENCO & ONGC • Target date of DPR preparation-03/26
19	Gadikota	Andhra Pradesh	4x240+2x120	1200	• UR & LR- off stream • Agency-APGENCO • Target date of DPR preparation-03/26
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Bilaspur	Chhattisgarh	4x250	1000	• UR & LR-off Stream • Agency-Jindal renewables • Date of MoA- 08.09.2023 • Target date of DPR Preparation-03/26
28	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

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
29	Serula	Gujarat	6x160	960	• UR & LR-off Stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
30	Brahmani	Rajasthan	2x200+2x100	600	• UR & LR- off stream • Agency-Acme Urja Two Pvt Ltd • Target date of DPR Preparation-12/25
31	Panaura	Uttar Pradesh	4x300 +2x150	1500	• UR & LR- off stream • Agency-Adani Green • Target date of DPR Preparation-12/25
32	Juni kayaliwel	Gujarat	2x150	300	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
33	Amalpada	Gujarat	2x150	300	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
34	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
35	Satkashi	Gujarat	2x165	330	• UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25 • Date of MoU-17.09.2024
36	Ukai	Gujarat	4x320 + 2x160	1600	• UR- off stream & LR- off stream • Agency-GSECL • Target date of DPR Preparation-12/25
37	Kamod	Maharashtra	7X250 + 2X125	2000	• UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
38	Masinta	Odisha	4 x 250	1000	• UR- off stream & LR- off stream • Agency-NHPC • Target date of DPR Preparation-12/25
39	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
40	Dharoi	Gujarat	4 x 125	500	• UR- off stream & LR- Dharoi reservoir • Agency-GSECL • Target date of DPR Preparation-12/25
41	Upper kolab	Odisha	4 x 150	600	• UR- Upper Kolab & LR- Off Stream • Agency-OHPC • Target date of DPR Preparation-06/26
42	Savitri	Maharashtra	8 x 300	2400	• UR- Koyna river & LR- Savitri River • Agency-NHPC • Target date of DPR Preparation-12/25
42	Total			59090	
48	GRAND TOTAL(Off-River)			65790	