

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	3	4100	7	8950.00
DPR concurred by CEA and yet to be taken up for construction	2	2500	2	1600	4	4100.00
Under Examination	-	-	-	-	-	-
Under S&I	2	1640	47	64370	49	66010.00
Grand Total	16	13735.60	52	70070	68	83805.6

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	Srisaillam 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 2025-26 (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 by Dec'29
			Total	4850	
4			Grand Total	4850	
C. <u>DPR CONCURRED BY CEA AND YET TO BE TAKEN UP FOR CONSTRUCTION</u>					
1	Turga	West Bengal	4x250	1000	Date of Concurrence- 05.10.16
2	Bhavali	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-12/25 •Date of MOA-11.03.24
2	Total			1640	
16	GRAND TOTAL (On-river)			13735.60	

#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	
3	TOTAL			4100	
B.DPR CONCURRED BY CEA AND YET TO BE TAKEN UP FOR CONSTRUCTION					
1	Upper Indravati	Odisha	4x150	600	Date of Concurrence-19.08.24
2	Bhivpuri	Maharashtra		1000	Date of Concurrence-30.09.2024
2	TOTAL			1600	
C. <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- 12/25 • 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 – 04/25 •Agency-Greenko •Date of MOA-12.03.18. Revised approval on 27.02.19
3	Gandikota	Andhra Pradesh	7x240+2x120	1000	•Upper Reservoir is proposed Off Stream and Lower Reservoir is existing on Gandikota reservoir which is on Penna river •Target date of Preparation of DPR- 04/25 •Agency- Adani green energy •Date of MOA-29.06.2022
4	OWK	Andhra Pradesh	4x200	800	•Upper Reservoir is proposed Off Stream and Lower Reservoir is existing on Owk reservoir which is on Penna river •Target date of Preparation of DPR-08/25 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022
5	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
6	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- 07/25 •Date of MOA-08.08.2023
7	Somasila	Andhra Pradesh	4x225	900	•Both Upper & Lower Reservoirs are proposed off stream • Target date of Preparation of DPR- 08/25 •Agency- Shirdi Sai Electricals Ltd. •Date of MOA-19.01.2023
8	Paidipalem East	Andhra Pradesh	6x200	1200	•UR- new proposed Off Stream , LR - new proposed draws water Paidipalem Balancing reservoir •Date of DPR preparation-08/25 •Agency-Indosol Solar Power Pvt. Ltd. •Date of MOA-12.09.2022
9	Singanamala	Andhra Pradesh	4x200	800	•UR- Off Stream, LR- Off Stream. •Date of DPR preparation-08/25 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022
10	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 – 09/25 •Agency- Greenco •Date of MOA-24.01.2023
11	Paidipalem North	Andhra Pradesh	5 x 200	1000	•UR- new proposed Off Stream , LR - new proposed draws water Paidipalem Balancing reservoir •Date of DPR preparation– 08/25 •Agency-Indosol Solar Power Pvt. Ltd. •Date of MOA-12.09.2022

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
12	Shahpur	Rajasthan	5x300 +2x150	1800	<ul style="list-style-type: none"> •Offstream closed loop, UR &LR -off stream •Target date of preparation of DPR- 09/25 •Agency-Greenko •Date of MOA-18.12.2021
13	Sirohi	Rajasthan	3x400	1200	<ul style="list-style-type: none"> • 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- 09/25 • Agency- JSW Energy •Date of MOA-24.01.2022 (acknowledgment letter to LOI)
14	Pane	Maharashtra	5x250+2x150	1500	<ul style="list-style-type: none"> •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
15	Veeraballi Off-stream	Andhra Pradesh	5x300+2x150	1800	<ul style="list-style-type: none"> •UR & LR- both off stream • Target date of preparation of DPR- 08/25 • Agency-Astha Green Energy Ventures India PVT. LTD. •Date of MOA-12.09.2022
16	vempalli	Andhra Pradesh	6x250	1500	<ul style="list-style-type: none"> • UR & LR- both off stream • Target date of preparation of DPR-08/25 • Agency-JSW Energy •Date of MOA-25.01.2022
17	Kandhaura	Uttar Pradesh	5x280+2x140	1680	<ul style="list-style-type: none"> • UR & LR- both off stream • Target date of preparation of DPR- 04/25 • Agency-JSW Energy •Date of MOA-25.11.2022
18	UP01	Uttar Pradesh	11x305+2x152.5	3660	<ul style="list-style-type: none"> • UR & LR- both off stream • Target date of preparation of DPR- 05/25 • Agency-Greenko •Date of MOA-01.02.2023
19	Musakhand	Uttar Pradesh	2x200+2x100	600	<ul style="list-style-type: none"> • UR & LR- both off stream •Agency- ACME Urja Two Private Limited •Target date of DPR preparation-07/25 •Date of MOA-03.04.2023
20	Raiwada	Andhra Pradesh	2x300+2x150	900	<ul style="list-style-type: none"> • 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
21	Malshej Ghat Bhorande	Maharashtra	6 x 250	1500	<ul style="list-style-type: none"> • 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
22	Kamalapadu	Andhra Pradesh	3x238 +2x118	950	<ul style="list-style-type: none"> • UR & LR- both off stream • Agency-APGENCO • Target date of preparation of DPR-08/25 •Date of MOA-23.08.2023
23	Warasgaon warangi	Maharashtra	5x300	1500	<ul style="list-style-type: none"> •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
24	Koyna Nivakane	Maharashtra	8x 300 + 2x150	2700	<ul style="list-style-type: none"> •UR &LR-minor rivulet draining into Kera River/ Koyna river • Agency- Adani Green • Target date of DPR Preparation-06/25
25	Rayavaram	Andhra Pradesh	5x250+2x125	1500	<ul style="list-style-type: none"> •UR & LR- on minor stream • Agency-APGENCO & ONGC • Target date of DPR preparation-08/25
26	Gadikota	Andhra Pradesh	4x240+2x120	1200	<ul style="list-style-type: none"> •UR & LR- off stream • Agency-APGENCO • Target date of DPR preparation-08/25
27	Nayagaon	Maharashtra	5x334+2x165	2000	<ul style="list-style-type: none"> •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
28	Shoma	Uttar Pradesh	7x300+2x150	2400	<ul style="list-style-type: none"> •UR- Off Stream , LR- Off Stream •Agency-Torrent Power •Date of MOA-20.01.2023 •Target date of DPR Preparation-08/25
29	Pedakota	Andhra Pradesh	5x300+2x150	1800	<ul style="list-style-type: none"> •UR & LR- on minor stream draining into the Sarada River •Agency-Adani Green •Date of MOA-23.05.2022 •Target date of DPR Preparation-08/25

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
30	Jhariya	Uttar Pradesh	5x270 + 2x135	1620	<ul style="list-style-type: none"> • UR & LR-off Stream • Agency- Jhariya Anant Urja • Date of MoA- 19.08.2023 • Target date of DPR Preparation-08/25
31	Chichlik	Uttar Pradesh	5x260 + 2x130	1560	<ul style="list-style-type: none"> • UR & LR-off Stream • Agency- Avaada • Date of MoU- 03.04.2024 • Target date of DPR Preparation- 08/25
32	Karjat (Saidongar - 1)	Maharashtra	9x300 + 2x150	3000	<ul style="list-style-type: none"> • 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
33	Hasdeo bango	Chhattisgarh	4x200	800	<ul style="list-style-type: none"> • UR- off Stream , LR- Existing Hasdeo Bango Reservoir on Hasdeo River • Agency- CSPGCL • Date of MoA- 06.10.2023 • Target date of DPR Preparation-08/25
34	Bilaspur	Chhattisgarh	4x250	1000	<ul style="list-style-type: none"> • UR & LR-off Stream • Agency-Jindal renewables • Date of MoA- 08.09.2023 • Target date of DPR Preparation-08/25
35	Maval (Saidongar - 2)	Maharashtra	3x300 + 2x150	1200	<ul style="list-style-type: none"> • 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
36	Serula	Gujarat	6x160	960	<ul style="list-style-type: none"> • UR & LR-off Stream • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
37	Brahmani	Rajasthan	2x200+2x100	600	<ul style="list-style-type: none"> • UR & LR- off stream • Agency-Acme Urja Two Pvt Ltd • Target date of DPR Preparation-09/25
38	Panaura	Uttar Pradesh	4x300 +2x150	1500	<ul style="list-style-type: none"> • UR & LR- off stream • Agency-Adani Green • Target date of DPR Preparation-09/25
39	Balimela	Odisha	2x250	500	<ul style="list-style-type: none"> • UR- balimela exisiting reservoir & LR- to be constructed on Kharika johra Stream • Agency-OHPCL • Target date of DPR Preparation-09/25
40	Juni kayaliwel	Gujarat	2x150	300	<ul style="list-style-type: none"> • UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
41	Amalpada	Gujarat	2x150	300	<ul style="list-style-type: none"> • UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
42	Juni Bavli	Gujarat	3x150	450	<ul style="list-style-type: none"> • UR - off stream & LR- exisiting ukai reservoir • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
43	Satkashi	Gujarat	2x165	330	<ul style="list-style-type: none"> • UR & LR- off stream • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
44	Ukai	Gujarat	4x320 + 2x160	1600	<ul style="list-style-type: none"> • UR- off stream & LR- off stream • Agency-GSECL • Target date of DPR Preparation-09/25
45	Kamod	Maharashtra	7X250 + 2X125	2000	<ul style="list-style-type: none"> • UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
46	Masinta	Odisha	4 x 250	1000	<ul style="list-style-type: none"> • UR- off stream & LR- off stream • Agency-NHPC • Target date of DPR Preparation-12/25
47	Ghosla	Maharashtra	7 x 250 + 2 x 125	2000	<ul style="list-style-type: none"> • UR- off stream & LR- off stream • Agency-Megha engineering • Target date of DPR Preparation-12/25
47	Total			64370	
52	GRAND TOTAL(Off-River)			70070	