

STATUS OF PUMPED STORAGE DEVELOPMENT IN INDIA

Region/ State	ON RIVER		OFF RIVER		TOTAL	
	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	2	3120	6	7970.00
DPR concurred by CEA	2	2500	2	1600	4	4100.00
Under Examination	-	-	-	-	-	-
Under S&I	1	640	46	61870	47	62510.00
Grand Total	15	12735.60	50	66590	65	79325.6

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. SCHEMES CONSTRUCTED					
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					
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1	Kadana	Gujarat	4x60	240	
2	Sardar Sarovar Project	Gujarat	6x200	1200	
			Sub total	1440	
8			Grand Total	4745.60	
B. SCHEMES UNDER CONSTRUCTION					
a) Under Active Construction					
1	Tehri St.-II	Uttarakhand	4x250	1000	Likely commissioning by 2025-26 (Aug.'25)
2	Kundah (Stage I,II&III)	Tamil Nadu	4x125	500	Likely commissioning by 2025-26 (Dec 2025)
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. DPR CONCURRED BY CEA					
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. SCHEMES UNDER SURVEY & INVESTIGATION					
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
1		Total		640	
15	GRAND TOTAL (On-river)			12735.60	

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. SCHEMES UNDER CONSTRUCTION					
1	Pinnapuram	Andhra Pradesh	4x240+2x120	1200	Likely commisioning by 2025-26 (July 25)
2	MP30 Gandhisagar	Madhya Pradesh	7x240 +2x120	1920	Likely commisioning by 2028-29 (June 28)
2	TOTAL			3120	
B. DPR CONCURRED BY CEA					
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. SCHEMES UNDER SURVEY & INVESTIGATION					
1	Narihalla	Karnataka	2x150	300	<ul style="list-style-type: none"> •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- 06/25 • Agency- JSW Energy •Date of MOA-28.11.2022
2	Saundatti	Karnataka	320X4+160x2	1600	<ul style="list-style-type: none"> •Upper Reservoir is proposed Off Stream and Lower Reservoir is on RenukaSagar which is existing on Malaprabha river •Target date for preparation of DPR – 02/25 •Agency-Greenko •Date of MOA-12.03.18. Revised approval on 27.02.19
3	Gandikota	Andhra Pradesh	7x240+2x120	1000	<ul style="list-style-type: none"> •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- 02/25 •Agency- Adani green energy •Date of MOA-29.06.2022
4	OWK	Andhra Pradesh	4x200	800	<ul style="list-style-type: none"> •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-04/25 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022
5	Chitravathi	Andhra Pradesh	2x250	500	<ul style="list-style-type: none"> •Upper Reservoir is proposed Off Stream and Lower Reservoir is existing on Chitravathi reservoir •Target date of Preparation of DPR- 01/25 •Agency-Adani Green Energy Ltd •Date of MOA-29.06.2022
6	Tarali	Maharashtra	5x300	1500	<ul style="list-style-type: none"> •Upper Reservoir is proposed Offstream and Lower Reservoir is existing Tarali reservoir •Target date of DPR preparation- 03/25 •Agency-Adani Green Energy Ltd. •Date of MOA-28.06.2022
7	Shirwata	Maharashtra	5x300 +2x150	1800	<ul style="list-style-type: none"> •Upper Reservoir is off stream and Lower Reservoir is existing Shirawata reservoir •Agency-TATA power •Target date of preparation of DPR- 02/25 •Date of MOA-08.08.2023
8	Somasila	Andhra Pradesh	4x225	900	<ul style="list-style-type: none"> •Both Upper & Lower Reservoirs are proposed off stream • Target date of Preparation of DPR- 04/25 •Agency- Shirdi Sai Electricals Ltd. •Date of MOA-19.01.2023
9	Paidipalem East	Andhra Pradesh	6x200	1200	<ul style="list-style-type: none"> •UR- new proposed Off Stream , LR - new proposed draws water Paidipalem Balancing reservoir •Date of DPR preparation-04/25 •Agency-Indosol Solar Power Pvt. Ltd. •Date of MOA-12.09.2022
10	Singanamala	Andhra Pradesh	4x200	800	<ul style="list-style-type: none"> •UR- Off Stream, LR- Off Stream. •Date of DPR preparation-04/25 •Agency- Aurobindo Realty & Infrastructure Pvt. Ltd. •Date of MOA-12.09.2022
11	Sukhpura Off-Stream	Rajasthan	7x320 + 2x160	2560	<ul style="list-style-type: none"> •UR &LR-Off stream, Both Upper Reservoir & Lower Reservoirs are to be constructed.. •Target date for preparation of DPR – 02/25 •Agency- Greenco •Date of MOA-24.01.2023
12	Paidipalem North	Andhra Pradesh	5 x 200	1000	<ul style="list-style-type: none"> •UR- new proposed Off Stream , LR - new proposed draws water Paidipalem Balancing reservoir •Date of DPR preparation– 04/25 •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	
13	Shahpur	Rajasthan	5x300 +2x150	1800	<ul style="list-style-type: none"> •Offstream closed loop, UR &LR -off stream •Target date of preparation of DPR- 02/25 •Agency-Greenko •Date of MOA-18.12.2021
14	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- 04/25 • Agency- JSW Energy •Date of MOA-24.01.2022 (acknowledgment letter to LOI)
15	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- 07/24 •Agency- JSW Energy •Date of MOA-29.09.2022
16	Veerabali Off-stream	Andhra Pradesh	5x300+2x150	1800	<ul style="list-style-type: none"> •UR & LR- both off stream • Target date of preparation of DPR- 04/25 • Agency-Astha Green Energy Ventures India PVT. LTD. •Date of MOA-12.09.2022
17	vempalli	Andhra Pradesh	6x250	1500	<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-25.01.2022
18	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
19	UP01	Uttar Pradesh	11x305+2x152.5	3660	<ul style="list-style-type: none"> • UR & LR- both off stream • Target date of preparation of DPR- 02/25 • Agency-Greenko •Date of MOA-01.02.2023
20	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-04/25 •Date of MOA-'03.04.2023
21	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- 04/25 • Agency-Adani Green Energy Ltd. •Date of MOA-23.05.2022
22	Malshej Ghat Borande	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- 03/25 • Agency-Adani Green Energy Ltd. •Date of MoA- 28.06.2022
23	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-04/25 •Date of MOA-23.08.2023
24	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-04/25
25	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
26	Rayavaram	Andhra Pradesh	5x250+2x125	1500	<ul style="list-style-type: none"> •UR & LR- on minor stream • Agency-NREDCAP • Target date of DPR preparation-06/25
27	Gadikota	Andhra Pradesh	4x240+2x120	1200	<ul style="list-style-type: none"> •UR & LR- off stream • Agency-APGENCO • Target date of DPR preparation-06/25
28	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-06/25
29	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-06/25
30	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-06/25

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
31	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
32	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
33	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
34	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
35	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
36	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
37	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
38	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
39	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
40	Balimela	Odisha	2x250	500	<ul style="list-style-type: none"> • UR- balimela existing reservoir & LR- to be constructed on Kharika johra Stream • Agency-OHPCL • Target date of DPR Preparation-09/25
41	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
42	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
43	Juni Bavli	Gujarat	3x150	450	<ul style="list-style-type: none"> • UR - off stream & LR- existing ukai reservoir • Agency-GSECL • Target date of DPR Preparation-09/25 • Date of MoU-17.09.2024
44	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
45	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
46	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	Total			61870	
50	GRAND TOTAL(Off-River)			66590	