

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	3	2850	1	1200	4	4050.00
DPR concurred by CEA	2	3000	1	600	3	3600.00
Under Examination	-	-	1	1000	1	1000.00
Under S&I	2	2140	38	56210	40	58350.00
Grand Total	15	12735.60	41	59010	56	71745.6

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 2024-25 (Dec.'24)
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)
			Total	2850	
3			Grand Total	2850	
C. DPR CONCURRED BY CEA					
1	Turga	West Bengal	4x250	1000	EC & FC-I obtained. FC-II -obtained
2	Sharavathy	Karnataka	8x250	2000	
2			Total	3000	
D. SCHEMES UNDER SURVEY & INVESTIGATION					
1	Bhavali	Maharashtra	6x250	1500	UR-downstream of Bhavali Dam, LR-Ulhas •Target date of Preparation of DPR- 09/24 •Agency-JSW Energy •Date of MOA-14.09.2021
2	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			Total	2140	
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 commssioning by 2024-25 (March 25)
1	TOTAL			1200	
B. . DPR CONCURRED BY CEA					
1	Upper Indravati	Odisha	4x150	600	
1	TOTAL			600	
C. SCHEMES UNDER EXAMINATION					
1	Bhivpuri	Maharashtra	4x200 +2x100	1000	
1	TOTAL			1000	
D. 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 – 12/24 •Agency-Greenko •Date of MOA-12.03.18. Revised approval on 27.02.19
3	MP30 Gandhi Sagar	Madhya Pradesh	7x240+2x120	1920	<ul style="list-style-type: none"> •Upper Reservoir is proposed off the river and Lower Reservoir is existing on Gandhi Sagar which is on Chambal river •Target date of DPR preparation-08/25 •Agency-Greenko •Date of MOA-13.10.2021
4	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- 11/24 •Agency- Adani green energy •Date of MOA-29.06.2022
5	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
6	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- 10/24 •Agency-Adani Green Energy Ltd •Date of MOA-29.06.2022
7	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
8	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- 11/24 •Date of MOA-08.08.2023
9	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
10	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

S.No.	SCHEMES	STATE	INSTALLED CAPACITY		REMARKS
			No. of units x Unit size(MW)	MW	
11	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
12	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 – 12/24 •Agency- Greenco •Date of MOA-24.01.2023
13	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
14	Shahpur	Rajasthan	5x300 +2x150	1800	<ul style="list-style-type: none"> •Offstream closed loop, UR &LR -off stream •Target date of preparation of DPR- 10/24 •Agency-Greenko •Date of MOA-18.12.2021
15	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)
16	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
17	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- 04/25 • Agency-Astha Green Energy Ventures India PVT. LTD. •Date of MOA-12.09.2022
18	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
19	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
20	UP01	Uttar Pradesh	11x305+2x152.5	3660	<ul style="list-style-type: none"> • UR & LR- both off stream • Target date of preparation of DPR- 12/25 • Agency-Greenko •Date of MOA-01.02.2023
21	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
22	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
23	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- 03/25 • Agency-Adani Green Energy Ltd. •Date of MoA- 28.06.2022
24	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
25	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-03/25

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			No. of units x Unit size(MW)	MW	
26	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
27	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
28	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
29	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
30	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
31	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
32	Jhariya	Uttar Pradesh		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
33	Chichlik	Uttar Pradesh		1560	<ul style="list-style-type: none"> • UR &LR-off Stream •Agency- Avaada •Date of MoA- 03.04.2024 •Target date of DPR Preparation- 08/25
34	Karjat (Saidongar - 1)	Maharashtra		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
35	Hasdeo bango	Chhattisgarh		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
36	Bilaspur	Chhattisgarh		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
37	Maval (Saidongar - 2)	Maharashtra		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
38	Serula	Gujarat		960	<ul style="list-style-type: none"> • UR &LR-off Stream •Agency-GSECL •Target date of DPR Preparation-09/25
38	Total			56210	
41	GRAND TOTAL(Off-River)			59010	