

PUMPED STORAGE PROJECTS UNDER S&I IN THE COUNTRY

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)
NORTHERN						
Rajasthan			4	6160	4	6160
Uttar Pradesh			7	13020	7	13020
Sub Total (NR)			11	19180	11	19180
EASTERN						
Odisha			1	500	1	500
Sub Total (ER)	0	0.00	1	500.00	1	500.00
WESTERN						
Gujarat	0	0	6	3940	6	3940
Madhya Pradesh	1	640	0	0	1	640
Chhattisgarh	0	0	2	1800	2	1800
Maharashtra			10	18700	10	18700
Sub Total (WR)	1	640	18	24440	19	25080
SOUTHERN						
Andhra Pradesh	0	0	14	15850	14	15850
Karnataka	0	0	2	1900	2	1900
Sub Total (SR)	0	0.00	16	17750.00	16	17750.00
Grand Total	1	640.00	46	61870.00	47	62510.00

State-wise List of On River S&I Pumped Storage Projects

S.N.	Region/ Name of the Projects	Probable I.C. (MW)	District	River		Agency	Date of MOA/ MOU	Target date of Preparation of DPR
				Upper Reservoir	Lower Reservoir			
Western Region								
Madhya Pradesh								
1	Indira Sagar	640	Khandwa	ISP Reservoir	Omkareshwar reservoir	NHDC	07.06.2023	12/25
1	Total (Madhya Pradesh)	640						
1	Total (Western Region)	640						
1	Total All India (ON River)	640.00						

State-wise List of Off River S&I Pumped Storage Projects

S.N.	Region/ Name of the Projects	Probable I.C. (MW)	District	River		Loop	Agency	Date of MOA/ MOU	Target date of Preparation of DPR
				Upper Reservoir	Lower Reservoir				
Northern Region									
Rajasthan									
1	Sukhpura Off-Stream	2560	Chittorgarh	Off -stream	Off -stream	Closed	Greenko	24.01.2023	02/25
2	Shahpur	1800	Baran	Off Stream	Off Stream,	Closed	Greenko	08.12.2021	02/25
3	Sirohi	1200	Sirohi	Off Stream	off stream	Closed	JSW Energy	24.01.2022 (acknowledgment letter to LOI)	04/25
4	Brahmani	600	Chittorgarh	Off Stream	off stream	Closed	ACME Urja Two Private Limited	23.01.2023	09/25
4	Total (Rajasthan)	6160							
Uttar Pradesh									
1	Kandhaura	1680	Sonbhadra	Off Stream	Off Stream	Closed	JSW Energy	25.11.2022	04/25
2	Musakhand	600	Chandauli	Off Stream	Off Stream	Closed	ACME Urja Two Private Limited	03.04.2023	04/25
3	UP01	3660	Sonbhadra	Off Stream	Off Stream	Closed	Greenko	01.02.2023	02/25
4	Shoma	2400	Sonbhadra	Off Stream	Off Stream	Closed	Torrent Power	20.01.2023	06/25
5	Jhariya	1620	Sonbhadra	Off Stream	Off Stream	Closed	Jhariya AnantUrja	19.08.2023	08/25
6	Chichlik	1560	Sonbhadra	Off Stream	Off Stream	Closed	Avaada	03.04.2024	08/25
7	Panaura	1500	Sonbhadra	Off Stream	Off Stream	Closed	Adani Green	16.05.2024	09/25
7	Total (Uttar Pradesh)	13020							
11	Total (Northern Region)	19180							
Eastern Region									
Odisha									
1	Balimela PSP	500	Malkangiri	Balimela existing reservoir	to be constructed on Kharika Johra Stream	Open	OHPCL	state project	09/25
1	Total (Odisha)	500							
1	Total (Eastern Region)	500							
Western Region									
Gujarat									
1	Serula	960	Tapi	Off Stream	Off Stream	Closed	GSECL	17.09.2024	09/25
2	Juni Kayaliwel	300	Tapi	Off Stream	Off Stream	Closed	GSECL	17.09.2024	09/25
3	Amalpada	300	Tapi	Off Stream	Off Stream	Closed	GSECL	17.09.2024	09/25
4	Juni Bavli	450	Tapi	Off Stream	existing Ukai Reservoir	open	GSECL	17.09.2024	09/25
5	Satkashi	330	Tapi	Off Stream	Off Stream	Closed	GSECL	17.09.2024	09/25
6	Ukai	1600	Tapi	Off Stream	Off Stream	Closed	Greenko		09/25
6	Total (Gujarat)	3940							
Chhattisgarh									
1	Hasdeo Bango	800	Korba	Off Stream	Existing Hasdeo Bango Reservoir on Hasdeo River	Open	CSPGCL	06.10.2023	08/25
2	Bilspur	1000	Bilaspur	Off Stream	Off Stream	Closed	Jindal Renewables	08.09.2023	08/25
2	Total (Chhattisgarh)	1800							
Maharashtra									
1	Pane	1500	Raigad	Off Stream	connected to a small stream which joins the downstream Kal river	open	JSW Energy	29.09.2022	04/25
2	Tarali	1500	Satara	Off Stream	existing Tarali reservoir	open	Adani Green	28.06.2022	03/25
3	Malshej Ghat Bhorande	1500	Pune & Thane	on Minor nallah draining into Kukadi river	on Minor nallah draining into Kalu rive	Closed	Adani Green	28.06.2022	03/25

4	Shirwata	1800	Pune	offstream	existing Shirwata reservoir	open	Tata Power	08.08.2023	02/25
5	Warasgaon Warangi	1500	Pune-Raigad	on minor nallah draining into Ambi river	on minor nallah draining into Kal river	open	Adani Green	28.06.2022	04/25
6	Koyna Nivakane	2700	Satara	minor rivulet draining into Kera River/ Koyna river	minor rivulet draining into Kera River/ Koyna river	Closed	Adani Green	28.06.2022	06/25
7	Nayagaon	2000	Chhatrapati Sambhajnagar	offstream	minor nallah draining into Hivra River	Closed	Greenko	16.01.2023	06/25
8	Karjat (Saidongar -1)	3000	Pune & Raigad	offstream	Initial filling by rainfall yield of self-catchment of the lower reservoir only	open	Torrent Power	06.06.2023	08/25
9	Maval (Saidongar -2)	1200	Pune & Raigad	offstream	Initial filling by rainfall yield of self-catchment of the lower reservoir only	open	Torrent Power	06.06.2023	08/25
10	Kamod	2000	Nandurbar	offstream	offstream	Closed	Megha Engineering	26.09.2024	12/25
10	Total (Maharashtra)	18700							
18	Total (Western Region)	24440							
Southern Region									
Andhra Pradesh									
1	Gandikota	1000	Kadapa	Off Stream	Gandikota reservoir on Penna River	Open	Adani Green	29.06.2022	02/25
2	Chitravathi	500	Ananthapuramu	Off Stream	Chitravathi	Open	Adani Green	29.06.2022	01/25
3	Somasila	900	Kadapa	Off Stream	Off Stream,	Closed	Shirdi Sai	19.01.2023	04/25
4	Owk	800	Kurnool	Off Stream	Owk reservoir on Penna River	Open	Aurobindo Realty & Infrastructure Pvt. Ltd	12.09.2022	04/25
5	Paidipalem East	1200	YSR	new proposed Off Stream	new proposed draws water Paidipalem Balancing reservoir	Closed	Indosol Solar Power Pvt. Ltd.	12.09.2022	04/25
6	Singanamala	800	Ananthapuramu	Off Stream	Off Stream	Closed	Aurobindo Realty & Infrastructure Pvt. Ltd	12.09.2022	04/25
7	Paidipalem North	1000	YSR	new proposed Off Stream	new proposed draws water Paidipalem Balancing reservoir	Closed	Indosol Solar Power Pvt. Ltd.	12.09.2022	04/25
8	Veeraballi Off-Stream	1800	Annamayya	Off Stream	Off Stream	Closed	Astha Green Energy Ventures India PVT. LTD.	12.09.2022	04/25
9	Vempalli	1500	YSR Kadapa	Off Stream	Off Stream	Closed	JSW Energy	25.01.2022	04/25
10	Raiwada	900	Anakapalle	on a tabletop hill across a minor rivulet draining into	across Sarada river	Open	Adani Green	23.05.2022	04/25
11	Kamalapadu	950	Ananthapuramu	Off Stream	Off Stream	Closed	APGENCO	23.08.2023	04/25
12	Rayavaram	1500	Annamayya	On minor Stream	On minor Stream	Closed	APGENCO & ONGC	20.11.2024	06/25
13	Gadikota	1200	Annamayya	Off Stream	Off Stream	Closed	APGENCO	31.01.2024 (letter from NREDCAP)	06/25
14	Pedakota	1800	Alluri Seetharama Raj	on minor stream draining into the Sarada	on minor stream draining into the Sarada River	Closed	Adani Green	23.05.2022	06/25
14	Total (Andhra Pradesh)	15850							
Karnataka									
1	Saundatti	1600	Belgavi	Off the river	Malaprabha	Closed	Greenko	12.03.18. Revised approval on 27.02.19.	02/25
2	Narihalla	300	Bellary	proposed on minor rivulet draining into Narihalla Reservoir	Narihalla Reservoir existing on Narihalla River	Open	JSW Energy	28.11.2022	06/25
2	Total (Karnataka)	1900							
16	Total (Southern Region)	17750.00							
46	Total All India (Off River)	61870.0							