

**GOVERNMENT OF INDIA
MINISTRY OF POWER
LOK SABHA
UNSTARRED QUESTION NO.4566
ANSWERED ON 27.03.2025**

CAPACITY OF HYDROPOWER PROJECTS

†4566. SHRI TRIVENDRA SINGH RAWAT:

**Will the Minister of POWER
be pleased to state:**

- (a) whether the total installed capacity of hydroelectric projects currently operating in the country, State-wise, if so, the details thereof;
- (b) the details of the number of new hydroelectric projects proposed to be established during the next five years and their estimated production capacity; and
- (c) whether the employment and development opportunities being provided to local communities through these projects, if so, the details thereof?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a): The installed capacity of Hydro Electric Projects (HEPs) (> 25 MW) in the country is about 42,222 MW. Details are at Annexure-I.

(b): As per Central Electricity Authority, 36 nos. of HEPs with aggregate installed capacity of 12,689 MW are under capacity addition plan till 2029-30. Details are at Annexure-II.

(c): The employment and development opportunities are being provided to Project Affected Families (PAFs) and local communities under various measures as outlined below:

- i. 1% free power earmarked for a Local Area Development Fund, aimed at providing a regular stream of revenue for income generation and welfare schemes, creation of additional infrastructure and common facilities etc. on a sustained and continued basis over the life of the project.
- ii. Budgetary support towards cost of enabling infrastructure, i.e. roads, bridges, ropeways, railway siding, communication infrastructure and transmission line. It improves infrastructure in the remote and hilly project locations.
- iii. Direct employment under Resettlement & Rehabilitation (R&R) Scheme as well as indirect employment through contract labours engaged by the contractors who are awarded Running & Maintenance/Service Contracts.
- iv. Allocation of CSR funds for infrastructure development in local area, including development / renovation of schools, hospitals, roads, water supply schemes, community halls, street lighting, community toilets etc.

ANNEXURE-I**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 4566 ANSWERED IN THE LOK SABHA ON 27.03.2025**

List of Hydro Electric Projects in the Country

Sl. No.	State	Sector	Agency	Station	Installed Capacity (As on 28.02.2025) (MW)
1	Andhra Pradesh	State	APGENCO	Lower Sileru	460
2				N J Sagar RBC & EXT.	90
3				N J Sagar TPD	50
4				Srisailam	770
5				Upper Sileru-I&II	240
				Total (Andhra Pr.)	1610
6	Arunachal Pradesh	Center	NEEPCO LTD	Kameng	600
7				Pare	110
8				Ranganadi	405
				Total (Ar. Pr.)	1115
9	Assam	Center	NEEPCO LTD	Khandong	50
10				Kopoli	200
11		State	APGCL	Karbi Langpi	100
				Total (Assam)	350
12	Chhatisgarh	State	CSPGCL	Hasdeobango	120
				Total (Chhatisgarh)	120
13	Gujarat	State	GSECL	Ukai	300
14			SSNNL	Sardar Sarovar CHPH	250
				Total (Gujarat)	550
15	Himachal Pradesh	Center	BBMB	Bhakra Left	630
16				Bhakra Right	785
17				Dehar	990
18				Pong	396
19			NHPC LTD	Baira Siul	180
20				Chamera-I	540
21				Chamera-II	300
22				Chamera-III	231
23				Parbati-III	520
24			NTPC LTD	Koldam	800
25			SJVN LTD	Nathpa Jhakri	1500
26				Rampur	412
27		Private	ADHPL	Allain Duhangan	192
28			EPPL	Malana-II	100
29			GBHPPL	Budhil	70
30			GMR	Bajoli Holi	180
31			HSPCL	Sorang	100
32			IAEPL	Chanju-I	36
33			JSW ENERGY	Baspa	300
34				Karcham Wangtoo	1045
35			MPCL	Malana	86
36		State	HPPCL	Integrated Kashang	195
37				Sainj	100

38				Sawra Kuddu	111
39			HPSEBL	Bassi	66
40				Giri Bata	60
41				Larji	126
42				Sanjay	120
43			PSPCL	Shanan	110
				Total (H.P.)	10281
44	Jammu & Kashmir	Center	NHPC LTD	Dulhasti	390
45				Kishanganga	330
46				Salal-I&II	690
47				Sewa-II	120
48				Uri-I	480
49				Uri-II	240
50		State	JKSPDCL	Baglihar-I	450
51				Baglihar-II	450
52				Lower Jhelum	105
53				Upper Sindh-II	105
				Total (J&K)	3360
54	Jharkhand	Center	DVC	Panchet	80
55		State	JUUNL	Subernrekha-I	65
56				Subernrekha-II	65
				Total (Jharkhand)	210
57	Karnataka	State	APGENCO	Hampi	36
58				T B Dam	36
59			KPCL	Almatti	290
60				Bhadra	26
61				Gerusoppa(Sharavathy Tail Race)	240
62				Ghat Prabha	32
63				Kadra	150
64				Kalinadi (Nagjhari)	900
65				Kalinadi (Supa)	100
66				Kodasali	120
67				Lingnamakki	55
68				Mahatma Gandhi (Jog)	139
69				Munirabad	28
70				Sharavathy	1035
71				Sivasamundrum	42
72				Varahi	460
				Total (Karnataka)	3689
73	Kerala	State	KSEBL	Idamalayar	75
74				Idukki	780
75				Kakkad	50
76				Kuttiyadi	75
77				Kuttiyadi Additional Extn.	100
78				Kuttiyadi Extn.	50
79				Lower Periyar	180
80				Nariamangalam	52.65
81				Pallivasal	37.5
82				Panniar	30
83				Poringalkuttu	32
84				Sabirigiri	300
85				Sengulam	48
86				Sholayar	54

87				Thottiyar	40
				Total (Kerala)	1904
88	Ladakh	Center	NHPC LTD	Chutak	44
89				Nimoo Bazgo	45
				Total (Ladakh)	89
90	Madhya Pradesh	Center	NHDC	Indira Sagar	1000
91				Omkareshwar	520
92		State	MPPGCL	Bansagar Tons-I	315
93				Bansagar Tons-II	60
94				Bansagar Tons-III	30
95				Bargi	90
96				Gandhi Sagar	115
97				Madhikhera	60
98				Rajghat	45
				Total (M.P)	2235
99	Maharastra	Private	DLHP	Bhandardhara St-II	34
100			TPCL	Bhira	150
101				Bhivpuri	75
102				Khopoli	72
103		State	MAHAGENCO	Bhira Tail Race	80
104				Koyna DPH	36
105				Koyna-I&II	600
106				Koyna-III	320
107				Koyna-IV	1000
108				Tillari	60
109				Vaitarna	60
110			MPPGPCL	Pench	160
				Total (Maharashtra)	2647
111	Manipur	Center	NHPC LTD	Loktak	105
				Total (Manipur)	105
112	Meghalaya	State	MePGCL	Kyrdemkulai	60
113				Myntdu St-I	126
114				New Umtru	40
115				Uiam St. I	36
116				Uiam St. IV	60
				Total (Meghalaya)	322
117	Mizoram	Center	NEEPCO LTD	Tuirial	60
				Total (Mizoram)	60
118	Nagaland	Center	NEEPCO LTD	Doyang	75
				Total (Nagaland)	75
119	Odisha	State	APGENCO	Machkund	114.75
120			OHPC	Balimela	510
121				Hirakud (Chiplima)	72
122				Hirakud (Burla)	287.8
123				Rengali	250
124				Upper Indravati	600
125				Upper Kolab	320
				Total (Odisha)	2154.55
126	Punjab	Center	BBMB	Ganguwal	77.65
127				Kotla	77.65
128		State	PSPCL	Anandpur Sahib-I	67
129				Anandpur Sahib-II	67
130				Mukerian-I	45
131				Mukerian-II	45

132				Mukerian-III	58.5
133				Mukerian-IV	58.5
134				Ranjit Sagar	600
				Total (Punjab)	1096
135	Rajasthan	State	RRVUNL	Jawahar Sagar	99
136				Mahi Bajaj-I	50
137				Mahi Bajaj-II	90
138				R P Sagar	172
				Total (Rajasthan)	411
139	Sikkim	Center	NHPC LTD	Rangit	60
140				Teesta-V	510
141		Private	DEPL	Jorethang Loop	96
142			GIPL	Chuzachen HEP	110
143			MBPCL	Rongnichu	113
144			SEPL	Tashiding	97
145			SNEHA KINETIC	Dikchu	96
146		State	SUL	Teesta-III	1200
				Total (Sikkim)	2282
147	Tamil Nadu	State	TANGEDCO	Aliyar	60
148				Bhavani Kattalai Barrage-I	30
149				Bhavani Kattalai Barrage-II	30
150				Bhavani Kattalai Barrage-III	30
151				Kodayar-I	60
152				Kodayar-II	40
153				Kundah-I	60
154				Kundah-II	175
155				Kundah-III	180
156				Kundah-IV	100
157				Kundah-V	40
158				Lower Mettur-I	30
159				Lower Mettur-II	30
160				Lower Mettur-III	30
161				Lower Mettur-IV	30
162				Mettur Dam	50
163				Mettur Tunnel	200
164				Moyar	36
165				Papanasam	32
166				Parson's Valley	30
167				Periyar	161
168				Pykara	59
169				Pykara Ultimate	150
170				Sarakarpathy	30
171				Sholayar-I	70
172				Suruliyar	35
				Total (Tamil Nadu)	1778
173	Telangana	State	TSGENCO	Lower Jurala	240
174				N J Sagar LBC	60
175				N J Sagar MP	110
176				Pochampad	36
177				Priyadarshni Jurala	234
178				Pulinchinthala	120
				Total (Telangana)	800
179	Uttar Pradesh	State	UPJVNL	Khara	72
180				Matatila	30.6

181				Obra	99
182				Rihand	300
				Total (Uttar Pr.)	501.6
183	Uttarakhand	Center	NHPC LTD	Dhaulti Ganga	280
184				Tanakpur	94.2
185			SJVN LTD	Naitwar Mori	60
186			THDC LTD	Koteshwar	400
187				Tehri St-I	1000
188		Private	AHPC LTD	Shrinagar	330
189			JPVL	Vishnu Prayag	400
190			ReNew Power Private Limited	Singoli Bhatwari	99
191		State	UJVNL	Chibro (Yamuna)	240
192				Chilla	144
193				Dhakrani	33.75
194				Dhalipur	51
195				Khatima	41.4
196				Khodri	120
197				Kulhal	30
198				Maneri Bhali-I	90
199				Maneri Bhali-II	304
200				Ramganga	198
201				Vyasi	120
				Total (Uttarakhand)	4035
202	West Bengal	Center	DVC	Maithon	63
203			NHPC LTD	Teesta Low Dam-III	132
204				Teesta Low Dam-IV	160
205		State	WBSEDCL	Jaldhaka	36
206				Rammam	50
				Total (West Bengal)	441
	Grand Total				42222

ANNEXURE-II

ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 4566 ANSWERED IN THE LOK SABHA ON 27.03.2025

Hydro Electric Projects under capacity addition plan till 2029-30

Sl. No	Project Name	Developer	Sector	State	Capacity (MW)	Stage
F Y. 2024-25						
1	Parbati-II	NHPC	Central	Himachal Pradesh	800	Under Construction
2	Pallivasal	KSEB	State	Kerala	60	Under Construction
3	Uhi-III	BVPCL	State	Himachal Pradesh	100	Under Construction
Sub-Total (FY 2024-25)					960	
F Y. 2025-26						
1	Subansiri Lower*	NHPC	Central	Arunachal Pradesh	1250	Under Construction
2	Rangit-IV	NHPC	Central	Sikkim	120	Under Construction
3	Lower Kopili	APGCL	State	Assam	120	Under Construction
4	Lower Sileru Extension	APGENCO	State	Andhra Pradesh	230	Under Construction
5	Kutehr	JSW	Private	Himachal Pradesh	240	Under Construction
Sub-Total (FY 2025-26)					1960	
F Y. 2026-27						
1	Subansiri Lower*	NHPC	Central	Arunachal Pradesh	750	Under Construction
2	Dhulasidh	SJVN	Central	Himachal Pradesh	66	Under Construction
3	Pakal Dul	CVPPL	Central	Jammu & Kashmir	1000	Under Construction
4	Kiru	CVPPL	Central	Jammu & Kashmir	624	Under Construction
5	Vishnugad Pipalkoti	THDC	Central	Uttarakhand	444	Under Construction
6	Shahpurkandi	PSPCL	State	Punjab	206	Under Construction
7	Tidong-I	Statekraft India	Private	Himachal Pradesh	150	Under Construction
8	Mankulam	Ltd.	State	Kerala	40	Under Construction
Sub-Total (FY 2026-27)					3280	
F Y. 2027-28						
1	Kwar	CVPPL	Central	Jammu & Kashmir	540	Under Construction
2	Teesta- VI	NHPC	Central	Sikkim	500	Under Construction
3	Parnai	JKSPDC	State	Jammu & Kashmir	38	Under Construction
4	Chanju-III	HPPCL	State	Himachal Pradesh	48	Under Construction

5	Polavaram	Polavaram project Authority	State	Andhra Pradesh	960	Under Construction
Sub-Total (FY 2027-28)					2086	
F Y. 2028-29						
1	Sunni Dam	SJVN	Central	Himachal Pradesh	382	Under Construction
2	Tapovan Vishnugad	NTPC	Central	Uttarakhand	520	Under Construction
3	Rammam - III	NTPC	Central	West Bengal	120	Under Construction
4	Lakhwar Multipurpose Project	UJVNL	State	Uttarakhand	300	Under Construction
5	Luhri-I	SJVN	Central	Himachal Pradesh	210	Under Construction
6	Ratle	NHPC	Central	Jammu & Kashmir	850	Under Construction
7	New Ganderwal	JKSPDC	State	J & K	93	Concurred
8	Uri-I Stage-II	NHPC	Central	J & K	240	Concurred
9	Tato-I	NEEPCO	Central	Arunachal Pradesh	186	Concurred
10	Heo	NEEPCO	Central	Arunachal Pradesh	240	Concurred
11	Shongtong Karcham	HPPCL	State	Himachal Pradesh	450	Under Construction
Sub-Total (FY 2028-29)					3591	
F Y. 2029-30						
1	Dikhu	NMPPL	Private	Nagaland	186	Concurred
2	Thana Plaun	HPPCL	State	Himachal Pradesh	191	Concurred
3	Wah Umiam Stage-III (Mawphu stage-II)	NEEPCO	Central	Meghalaya	85	Concurred
4	Dulhasti Stage-II	NHPC	Central	J & K	260	S&I
5	Teesta Intermediate	WBSEDCL	State	West Bengal	90	S&I
Sub-Total (FY 2029-30)					812	
Grand Total					12689	

***5 units (1250 MW) likely during 2025-26 & 3 units (750 MW) during 2026-27.**

**Note: Concurred: Concurred by CEA
S&I: Survey & Investigation**
