

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
STARRED QUESTION NO.472  
ANSWERED ON 03.04.2025**

**HYDROELECTRIC PROJECTS**

**†\*472. SHRI SANJAY UTTAMRAO DESHMUKH:  
SHRI ARVIND GANPAT SAWANT:**

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

- (a) the details of the hydroelectric projects constructed in the country along with their installed capacity during the last five years and the current year, State/UT-wise;**
- (b) the details of the hydroelectric projects currently under construction, State/UT-wise including Maharashtra;**
- (c) the details of the operational hydroelectric projects and the electricity generated by each project during the last five years and the current year;**
- (d) whether these projects are operating below their installed capacity and if so, the reasons therefor;**
- (e) the steps being taken by the Government to improve the efficiency of hydroelectric projects;**
- (f) whether the Government is taking any steps for the revival of stalled hydroelectric projects and if so, the details thereof; and**
- (g) the other efforts made/being made by the Government to ensure timely completion of hydroelectric projects in the country?**

**A N S W E R**

**THE MINISTER OF POWER**

**(SHRI MANOHAR LAL)**

**(a) to (g) : A Statement is laid on the Table of the House.**

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## STATEMENT

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (g) IN RESPECT OF LOK SABHA STARRED QUESTION NO. 472 FOR REPLY ON 03.04.2025 REGARDING HYDROELECTRIC PROJECTS ASKED BY SHRI SANJAY UTTAMRAO DESHMUKH AND SHRI ARVIND GANPAT SAWANT.**

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**(a) : Total 12 Nos. of Hydro Electric Projects (HEPs) (capacity above 25 MW) with aggregate installed capacity of 1,883 MW have been commissioned in the country during the last 5 years and the current year, (2020-21 to 2024-25) (upto 2<sup>nd</sup> April 2025). Details are at Annexure-I.**

**(b) : Total 26 Nos. of HEPs (capacity above 25 MW) with aggregate installed capacity of 13,238 MW are under construction in the country. There is no under-construction hydroelectric project in the State of Maharashtra. Details are at Annexure-II.**

**(c) : There are total 209 Nos. of HEPs (capacity above 25 MW) with aggregate installed capacity of 42,983 MW in the country. Details of installed capacity and electricity generated by each project during the last five years (2020-21 to February 2025) are at Annexure-III.**

**(d) : At present, Teesta-III (Sikkim) (1200 MW), Teesta-V (Sikkim) (510 MW), Khandong (Assam) (50 MW) and Malana-II (Himachal Pradesh) (100 MW) are having less / no generation. The main reasons for these HEPs operating below their capacity are outages of generating unit(s) due to flash flood / cloudburst.**

**(e) : The steps taken by the developers to improve efficiency of hydro plants are routine maintenance, Renovation and Modernization to extend lifespan of plant and addressing operational issues. Further, use of IT and automation such as SCADA, digital excitation system, digital governor system and real time monitoring are adopted to enhance the hydro plant performance.**

**(f) : Total 8 Nos. of Hydro Power projects totalling 1156 MW are stalled in the country. The list of projects, along with the reasons for being held-up, is attached as Annexure-IV. Further, the following hydro power projects, which were earlier stalled, have been revived by the Government:**

- i. Subansiri Lower (2000 MW) of NHPC in Arunachal Pradesh was stalled since 2011. Works restarted after NGT case was dismissed on 31.07.2019.**
- ii. Teesta VI (500 MW) in Sikkim was allotted to LANCO but was stalled since 2012. It has been revived through NHPC's bid in NCLT in 2019.**
- iii. Rangit IV (120 MW) in Sikkim was originally allotted to Jal Power Corporation Ltd (Private Sector) and was stalled since October, 2013. The project has been revived through NHPC's bid in NCLT and NHPC has taken over Jal Power Corporation Ltd. on 31.03.2021.**

- iv. **Ratle HEP (850 MW) in J&K, was originally allotted to GVK and was stalled since 2014. It was revived after an MoU was signed amongst NHPC, JKSPDC and PDD, J&K.**

**(g) : The Government has made the following efforts to ensure the timely completion of hydroelectric projects:**

- i. **Measures to reduce time and cost overrun has been issued by MoP vide OM dated 08.11.2019.**
- ii. **Dispute Avoidance Mechanism for resolution of contractual disputes of contracts executed by hydro CPSUs at initial stage by engagement of Independent Engineer has been introduced by MoP vide OM dated 27.09.2021.**
- iii. **Dispute Resolution Mechanism for resolution of disputes of contracts executed by CPSUs / other organizations under MoP through Conciliation Committees has been introduced by MoP vide OM dated 29.12.2021.**
- iv. **Guidelines for early settlement of disputes and to minimize the arbitral claims/ disputes have been issued by MoP on 16.03.2022.**
- v. **To prevent contractual disputes with respect to price variation calculation in case of change of Wholesale Price Index (WPI) series, Guidelines for 'Price Variation Calculation in case of Change/ Discontinuation of Wholesale Price Index Series during execution of the contract' were issued by MoP on 04.05.2022.**
- vi. **IT based monitoring system has been introduced for close monitoring of the hydro projects.**

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**ANNEXURE REFERRED TO IN PART (a) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 472 ANSWERED IN THE LOK SABHA ON 03.04.2025 REGARDING HYDROELECTRIC PROJECTS**

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**Hydro capacity addition during the last five year and the current year**

Sl. No	Name of HEP	Executing Agency	Project Capacity (MW)	Sector	State	Unit No.	Capacity commissioned (MW)	Date of Commissioning
	<b>2020-21</b>							
1	Kameng	NEEPCO	600	Centre	Arunachal Pradesh	3	150	21.01.2021
						4	150	11.02.2021
2	Sawra Kuddu	HPPCL	111	State	Himachal Pradesh	1	37	12.11.2020
						2	37	05.12.2020
						3	37	16.12.2020
3	Singoli Bhatwari	L&T	99	Private	Uttarakhand	1	33	19.11.2020
						2	33	18.12.2020
						3	33	25.12.2020
	<b>Sub-Total: (2020-21)</b>						<b>510</b>	
	<b>2021-22</b>							
1	Rongnichu	MBPCL	2x56.5	Private	Sikkim	1	56.5	25.06.2021
						2	56.5	30.06.2021
2	Sorang	HSPCL	2x50	Private	Himachal Pradesh	1	50	23.09.2021
						2	50	21.09.2021
3	Bajoli Holi	GMR	3x60	Private	Himachal Pradesh	1	60	25.03.2022
						2	60	27.03.2022
						3	60	28.03.2022
	<b>Sub-Total: (2021-22)</b>						<b>393</b>	
	<b>2022-23</b>							
1	Vyasi	UJVNL	2x60	State	Uttarakhand	1	60	24.05.2022
						2	60	22.04.2022
	<b>Sub-Total: (2022-23)</b>						<b>120</b>	
	<b>2023-24</b>							
1	Naitwar Mori	SJVNL	2x30	Centre	Uttarakhand	1	30	24.11.2023
						2	30	04.12.2023
	<b>Sub-Total: (2023-24)</b>						<b>60</b>	
	<b>2024-25</b>							
1	Thottiyar	KSEB	1x10+1x30	State	Kerala	1	10	18.10.2024
						2	30	18.10.2024
2	Pallivasal	KSEB	2x30	State	Kerala	1	30	24.12.2024
						2	30	24.12.2024
3.	Uhi-III	BVPCL	3x33.33	State	Himachal Pradesh	1	33.33	28.02.2025
						2	33.33	05.03.2025
						3	33.33	03.03.2025
4.	Parbati St. II	NHPC	4x200	Centre	Himachal Pradesh	1	200	28.03.2025
						2	200	24.03.2025
						3	200	26.03.2025
	<b>Sub-Total (2024 -25)</b>						<b>800</b>	
	<b>2025-26</b>						<b>0</b>	
	<b>Sub-Total (2025 -26)</b>						<b>0</b>	
	<b>Grand Total (2020-21 to 2025-26)</b>						<b>1883</b>	

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**ANNEXURE REFERRED TO IN PART (b) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 472 ANSWERED IN THE LOK SABHA ON 03.04.2025 REGARDING HYDROELECTRIC PROJECTS**

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**List of Hydro Electric Projects (above 25 MW) -under implementation**

Sl. No.	Name of the Project (Executing Agency)	State / UT	District	Installed Capacity (No. X MW)	Capacity Under Execution (MW)
	<b>Central Sector</b>				
	<b>NHPC</b>				
1	Subansiri Lower (NHPC)	Arunachal Pradesh / Assam	Lower Subansiri, Ar. Pradesh / Dhemaji, Assam	8x250	2000
2	Parbati St. II (NHPC)	Himachal Pradesh	Kullu	1x200	200
3	Dibang Multipurpose Project (NHPC)	Arunachal Pradesh	Lower Dibang Valley	12x240	2880
4	Teesta St. VI NHPC	Sikkim	South Sikkim	4x125	500
5	Rangit-IV (NHPC)	Sikkim	West Sikkim	3x40	120
6	Ratle (RHEPPL / NHPC)	UT of Jammu & Kashmir	Kishtwar	4x205 + 1x30	850
	<b>CVPPPL</b>				
7	Pakal Dul (CVPPPL)	UT of Jammu & Kashmir	Kishtwar	4x250	1000
8	Kiru (CVPPPL)	UT of Jammu & Kashmir	Kishtwar	4x156	624
9	Kwar (CVPPPL)	UT of Jammu & Kashmir	Kishtwar	4x135	540
	<b>SJVN</b>				
10	Luhri-I (SJVN)	Himachal Pradesh	Kullu/Shimla	2x80+2x25	210
11	Dhauilasidh (SJVN)	Himachal Pradesh	Hamirpur/ Kangra	2x33	66
12	Sunni Dam (SJVN)	Himachal Pradesh	Shimla/Mandi	4x73+1x73+1x17	382
	<b>THDC</b>				
13	Vishnugad Pipalkoti (THDC)	Uttarakhand	Chamoli	4x111	444
	<b>NTPC</b>				
14	Tapovan Vishnugad (NTPC)	Uttarakhand	Chamoli	4x130	520
15	Rammam-III (NTPC)	West Bengal	Darjeeling	3x40	120
<b>Sub-Total: Central Sector</b>					<b>10456</b>
	<b>State Sector</b>				
	<b>APGENCO</b>				
16	Polavaram (APGENCO/ Irrigation Dept., A.P.)	Andhra Pradesh	East & West Godavari	12x80	960
17	Lower Sileru Extension (APGENCO)	Andhra Pradesh	Alluri Sitharamaraju	2x115	230
	<b>HPPCL</b>				
18	Shongtong Karcham (HPPCL)	Himachal Pradesh	Kinnaur	3x150	450

19	Chanju-III (HPPCL)	Himachal Pradesh	Chamba	3x16	48
	KSEB				
20	Mankulam (KSEB)	Kerala	Idukki	2x20	40
	APGCL				
21	Lower Kopli (APGCL)	Assam	Dima Hasao & Karbi Anglong	2x55+2x2.5+1x5	120
	JKSPDC				
22	Parnai (JKSPDC)	UT of Jammu & Kashmir	Poonch	3x12.5	38
	PSPCL				
23	Shahpurkandi (PSPCL/ Irrigation Deptt., Pb.)	Punjab	Pathankot	3x33+3x33+1x8	206
	UJVNL				
24	Lakhwar Multipurpose Project (UJVNL)	Uttarakhand	Dehradun & Tehri Garhwal	3x100	300
Sub-Total: State Sector					2392
	Private Sector				
	Statkraft				
25	Tidong-I (Statkraft IPL)	Himachal Pradesh	Kinnaur	3x50	150
	JSW				
26	Kutehr Energy Ltd (JSW)	Himachal Pradesh	Chamba	3x80	240
Sub-Total: Private Sector					390
Total					13238

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**ANNEXURE REFERRED TO IN PART (c) OF THE STATEMENT LAID IN REPLY TO  
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REGARDING HYDROELECTRIC PROJECTS**

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**Installed Capacity and Generation from Hydro Power Projects**  
**(capacity above 25 MW)**

State	Name of Station	Installed Capacity	2020-21	2021-22	2022-23	2023-24	2024-25 (Upto Feb, 2025)
		(in MW)	Figures in Million Units(in MUs)				
Andhra Pradesh	LOWER SILERU HPS	460	1292.6	896.2	1078.6	1004.7	1111.8
	NAGARJUN SGR TPD	50	54.7	137.6	98.0	0.7	92.4
	NAGARJUN SGR RBC HPS	90	155.6	279.1	297.8	0.1	211.8
	SRISAILAM HPS	770	1157.3	1438.9	1883.3	6.1	1166.5
	UPPER SILERU HPS	240	620.1	362.0	389.9	361.7	485.0
Arunachal Pradesh	KAMENG HPS	600	1529.8	2576.4	2912.8	2652.1	2627.1
	PARE HPS	110	522.3	430.6	531.9	448.7	368.3
	RANGANADI HPS	405	1399.3	1154.3	1376.3	1177.4	1025.7
Assam	KARBI LANGPI HPS	100	203.0	401.1	481.6	328.9	401.5
	KHONDONG HPS	50	67.8	275.1	0.0	0.0	0.0
	KOPILI HPS	200	0.0	0.0	0.0	285.8	543.1
Chhattisgarh	HASDEOBANGO HPS	120	419.2	404.1	237.4	321.8	372.3
Gujarat	S SAROVAR CHPH HPS	250	1087.0	824.3	1241.1	1189.5	1132.3
	UKAI HPS	300	651.1	655.2	977.2	580.3	713.4
Himachal Pradesh	ALLAIN DUHANGAN HPS	192	640.5	637.4	640.1	587.7	642.5
	BAIRA SIUL HPS	180	457.6	587.2	627.9	542.1	506.1
	BAJOLI HOLI HPS	180	-	-	421.5	708.2	710.7
	BASPA HPS	300	1311.2	1320.4	1351.9	1162.8	1338.0
	BASSI HPS	66	309.0	317.4	307.1	295.7	302.1
	BHAKRA LEFT HPS	630	2389.4	2189.1	2290.3	2678.5	2241.0
	BHAKRA RIGHT HPS	785	3046.6	2168.5	2734.4	3070.8	2516.4
	BUDHIL HPS	70	276.0	251.4	274.2	256.3	275.9
	CHAMERA-I HPS	540	2264.9	1899.3	1889.1	2169.7	1974.9
	CHAMERA-II HPS	300	684.6	1358.7	1326.8	1208.7	1290.4
	CHAMERA-III HPS	231	995.9	1004.3	1001.9	845.1	978.8
	CHANJU-I HPS	36	159.4	146.5	140.0	155.0	150.0
	DEHAR HPS	990	2993.3	3109.7	3034.9	2815.0	2801.0
	GIRI BATA HPS	60	164.8	227.6	231.8	232.8	144.0
	KARCHAM WANGTOO HPS	1045	4361.4	4243.5	4284.9	3786.4	4425.7
	KASHANG INTEGRATED HEP	195	13.0	209.4	157.0	176.6	227.2
	KOLDAM	800	3221.4	3120.1	3132.8	2952.1	3254.3
	LARJI HPS	126	616.3	580.9	611.2	213.5	273.3
	MALANA HPS	86	334.9	315.0	320.9	249.1	234.0
	MALANA-II HPS	100	370.5	345.7	343.5	140.7	184.0
	NATHPA JHAKRI HPS	1500	7099.0	7067.4	7133.0	6310.1	7202.6
	PARBATI-III HPS	520	616.9	613.3	651.9	293.4	553.8
	PONG HPS	396	1775.6	1103.7	1564.4	1807.1	1460.7
	RAMPUR HPS	412	1995.4	1981.2	1997.5	1778.1	2011.7
	SAINJ HPS	100	424.8	418.8	423.1	362.2	406.7
	SANJAY HPS	120	474.3	642.8	629.3	537.0	574.7
	SAWRA KUDDU HPS	111	-	21.3	324.0	307.5	256.1
	SHANAN HPS	110	477.1	521.9	503.1	492.3	480.2
	SORANG HPS	100	-	57.2	318.3	231.6	381.0

<b>Jammu and Kashmir</b>	<b>BAGLIHAR HPS</b>	<b>450</b>	<b>2657.9</b>	<b>2676.9</b>	<b>2712.1</b>	<b>2574.3</b>	<b>2575.3</b>
	<b>BAGLIHAR II HPS</b>	<b>450</b>	<b>1447.0</b>	<b>1561.0</b>	<b>1467.1</b>	<b>1554.5</b>	<b>1527.3</b>
	<b>DULHASTI HPS</b>	<b>390</b>	<b>2329.6</b>	<b>2216.1</b>	<b>2082.9</b>	<b>2087.3</b>	<b>2141.4</b>
	<b>KISHANGANGA HPS</b>	<b>330</b>	<b>1111.5</b>	<b>1506.4</b>	<b>1454.1</b>	<b>1270.4</b>	<b>1233.4</b>
	<b>LOWER JHELUM HPS</b>	<b>105</b>	<b>561.2</b>	<b>623.0</b>	<b>612.5</b>	<b>511.2</b>	<b>438.0</b>
	<b>SALAL HPS</b>	<b>690</b>	<b>3632.2</b>	<b>3485.5</b>	<b>3240.1</b>	<b>3366.7</b>	<b>3081.3</b>
	<b>SEWA-II HPS</b>	<b>120</b>	<b>376.1</b>	<b>62.9</b>	<b>508.1</b>	<b>551.9</b>	<b>310.6</b>
	<b>UPPER SINDH-II HPS</b>	<b>105</b>	<b>274.8</b>	<b>255.2</b>	<b>265.4</b>	<b>141.8</b>	<b>99.9</b>
	<b>URI-I HPS</b>	<b>480</b>	<b>2986.4</b>	<b>3037.5</b>	<b>2861.5</b>	<b>2426.9</b>	<b>1696.0</b>
	<b>URI-II HPS</b>	<b>240</b>	<b>1626.1</b>	<b>1649.5</b>	<b>1573.8</b>	<b>1389.3</b>	<b>1128.5</b>
<b>Jharkhand</b>	<b>PANCHET HPS</b>	<b>80</b>	<b>173.1</b>	<b>245.5</b>	<b>136.5</b>	<b>100.0</b>	<b>110.4</b>
	<b>SUBERNREKHA-I HPS</b>	<b>65</b>	<b>0.0</b>	<b>152.4</b>	<b>92.6</b>	<b>49.4</b>	<b>97.8</b>
	<b>SUBERNREKHA-II HPS</b>	<b>65</b>	<b>50.0</b>	<b>150.1</b>	<b>76.4</b>	<b>47.4</b>	<b>53.5</b>
<b>Karnataka</b>	<b>ALMATTI DPH HPS</b>	<b>290</b>	<b>643.7</b>	<b>499.6</b>	<b>626.6</b>	<b>242.1</b>	<b>612.8</b>
	<b>BHADRA HPS</b>	<b>26</b>	<b>56.7</b>	<b>72.3</b>	<b>104.7</b>	<b>26.7</b>	<b>55.4</b>
	<b>GERUSUPPA HPS</b>	<b>240</b>	<b>480.6</b>	<b>543.3</b>	<b>566.1</b>	<b>347.9</b>	<b>515.6</b>
	<b>GHAT PRABHA HPS</b>	<b>32</b>	<b>110.1</b>	<b>95.0</b>	<b>87.2</b>	<b>42.7</b>	<b>94.5</b>
	<b>HAMPI HPS</b>	<b>36</b>	<b>72.3</b>	<b>103.0</b>	<b>104.8</b>	<b>65.3</b>	<b>86.2</b>
	<b>JOG HPS</b>	<b>139.2</b>	<b>373.8</b>	<b>554.3</b>	<b>551.0</b>	<b>342.7</b>	<b>389.4</b>
	<b>KADRA HPS</b>	<b>150</b>	<b>410.3</b>	<b>402.1</b>	<b>355.7</b>	<b>278.8</b>	<b>458.6</b>
	<b>KALINADI HPS</b>	<b>900</b>	<b>3147.2</b>	<b>3687.0</b>	<b>2843.5</b>	<b>2536.3</b>	<b>3440.2</b>
	<b>KALINADI SUPA HPS</b>	<b>100</b>	<b>443.5</b>	<b>609.8</b>	<b>377.0</b>	<b>425.7</b>	<b>548.7</b>
	<b>KODASALI HPS</b>	<b>120</b>	<b>383.0</b>	<b>425.6</b>	<b>345.3</b>	<b>283.1</b>	<b>454.7</b>
	<b>LIGANAMAKKI HPS</b>	<b>55</b>	<b>255.5</b>	<b>277.9</b>	<b>254.2</b>	<b>150.1</b>	<b>161.1</b>
	<b>MUNIRABAD HPS</b>	<b>28</b>	<b>102.1</b>	<b>132.1</b>	<b>114.9</b>	<b>31.7</b>	<b>118.2</b>
	<b>SHARAVATHI HPS</b>	<b>1035</b>	<b>4582.7</b>	<b>4994.3</b>	<b>5220.8</b>	<b>3358.3</b>	<b>4455.5</b>
	<b>SIVASAMUNDRUM HPS</b>	<b>42</b>	<b>321.1</b>	<b>301.0</b>	<b>285.9</b>	<b>160.5</b>	<b>132.4</b>
	<b>T B DAM HPS</b>	<b>36</b>	<b>111.5</b>	<b>102.0</b>	<b>88.5</b>	<b>33.5</b>	<b>94.4</b>
	<b>VARAHI HPS</b>	<b>460</b>	<b>1093.1</b>	<b>1137.3</b>	<b>1231.1</b>	<b>647.9</b>	<b>1021.2</b>
<b>Kerala</b>	<b>IDAMALAYAR HPS</b>	<b>75</b>	<b>290.0</b>	<b>377.0</b>	<b>409.4</b>	<b>198.2</b>	<b>303.4</b>
	<b>IDUKKI HPS</b>	<b>780</b>	<b>2530.2</b>	<b>3709.9</b>	<b>3261.8</b>	<b>1644.5</b>	<b>2168.5</b>
	<b>KAKKAD HPS</b>	<b>50</b>	<b>184.9</b>	<b>272.6</b>	<b>243.3</b>	<b>188.9</b>	<b>197.4</b>
	<b>KUTTIYADI ADDL EXTN</b>	<b>100</b>	<b>358.3</b>	<b>400.4</b>	<b>416.3</b>	<b>271.9</b>	<b>400.6</b>
	<b>KUTTIYADI EXTN HPS</b>	<b>50</b>	<b>176.9</b>	<b>151.8</b>	<b>172.6</b>	<b>152.3</b>	<b>176.6</b>
	<b>KUTTIYADI HPS</b>	<b>75</b>	<b>212.9</b>	<b>194.5</b>	<b>198.2</b>	<b>98.3</b>	<b>149.4</b>
	<b>LOWER PERIYAR HPS</b>	<b>180</b>	<b>538.0</b>	<b>811.9</b>	<b>688.7</b>	<b>489.1</b>	<b>572.2</b>
	<b>NARIAMANGLAM HPS</b>	<b>52.65</b>	<b>284.7</b>	<b>312.4</b>	<b>237.8</b>	<b>182.6</b>	<b>228.6</b>
	<b>PALLIVASAL HPS</b>	<b>37.5</b>	<b>134.3</b>	<b>162.3</b>	<b>147.6</b>	<b>157.3</b>	<b>136.9</b>
	<b>PANNIAR HPS</b>	<b>30</b>	<b>181.3</b>	<b>210.7</b>	<b>199.0</b>	<b>164.8</b>	<b>165.3</b>
	<b>PORINGALKUTTU HPS</b>	<b>32</b>	<b>153.5</b>	<b>220.4</b>	<b>157.3</b>	<b>96.2</b>	<b>145.7</b>
	<b>SABARIGIRI HPS</b>	<b>300</b>	<b>1227.6</b>	<b>2047.5</b>	<b>1532.3</b>	<b>1129.5</b>	<b>1256.6</b>
	<b>SENGULAM HPS</b>	<b>48</b>	<b>117.5</b>	<b>183.6</b>	<b>126.6</b>	<b>132.2</b>	<b>117.0</b>
	<b>SHOLAYAR HPS</b>	<b>54</b>	<b>238.4</b>	<b>262.5</b>	<b>198.3</b>	<b>249.8</b>	<b>225.0</b>
	<b>THOTTIYAR HPS</b>	<b>40</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>14.8</b>
<b>Ladakh</b>	<b>CHUTAK HPS</b>	<b>44</b>	<b>158.6</b>	<b>170.5</b>	<b>166.8</b>	<b>158.6</b>	<b>166.4</b>
	<b>NIMMO BAZGO HPS</b>	<b>45</b>	<b>217.6</b>	<b>235.4</b>	<b>236.0</b>	<b>229.9</b>	<b>231.7</b>
<b>Madhya Pradesh</b>	<b>BANSAGAR TONS-I HPS</b>	<b>315</b>	<b>1184.2</b>	<b>1121.5</b>	<b>638.5</b>	<b>798.8</b>	<b>885.0</b>
	<b>BANSAGAR-II HPS</b>	<b>60</b>	<b>111.7</b>	<b>85.4</b>	<b>75.4</b>	<b>105.6</b>	<b>98.5</b>
	<b>BANSAGAR-III HPS</b>	<b>30</b>	<b>135.6</b>	<b>49.9</b>	<b>137.6</b>	<b>165.4</b>	<b>112.0</b>
	<b>BARGI HPS</b>	<b>90</b>	<b>434.1</b>	<b>382.4</b>	<b>429.8</b>	<b>455.1</b>	<b>469.7</b>
	<b>GANDHI SAGAR HPS</b>	<b>115</b>	<b>148.4</b>	<b>211.7</b>	<b>288.9</b>	<b>295.5</b>	<b>228.6</b>
	<b>INDIRA SAGAR HPS</b>	<b>1000</b>	<b>2793.6</b>	<b>1717.2</b>	<b>3661.1</b>	<b>2999.7</b>	<b>3469.8</b>
	<b>MADHIKHERA HPS</b>	<b>60</b>	<b>118.2</b>	<b>116.5</b>	<b>169.8</b>	<b>49.5</b>	<b>101.9</b>
	<b>OMKARESHWAR HPS</b>	<b>520</b>	<b>1442.6</b>	<b>928.2</b>	<b>1782.4</b>	<b>1470.8</b>	<b>1755.5</b>
	<b>RAJGHAT HPS</b>	<b>45</b>	<b>109.0</b>	<b>74.0</b>	<b>125.6</b>	<b>104.6</b>	<b>99.7</b>
<b>Maharashtra</b>	<b>BHANDARDHARA HPS ST-II</b>	<b>34</b>	<b>34.3</b>	<b>33.9</b>	<b>19.3</b>	<b>23.5</b>	<b>26.2</b>
	<b>BHIRA HPS</b>	<b>150</b>	<b>358.9</b>	<b>397.2</b>	<b>401.6</b>	<b>432.3</b>	<b>424.4</b>
	<b>BHIRA TAIL RACE HPS</b>	<b>80</b>	<b>97.3</b>	<b>101.0</b>	<b>81.4</b>	<b>75.3</b>	<b>64.3</b>
	<b>BHIVPURI HPS</b>	<b>75</b>	<b>299.7</b>	<b>272.3</b>	<b>329.7</b>	<b>316.1</b>	<b>319.8</b>
	<b>KHOPOLI HPS</b>	<b>72</b>	<b>280.2</b>	<b>293.1</b>	<b>299.5</b>	<b>283.1</b>	<b>273.8</b>
	<b>KOYNA DPH HPS</b>	<b>36</b>	<b>165.4</b>	<b>132.5</b>	<b>166.5</b>	<b>175.3</b>	<b>150.0</b>



	KOYNA-I&II HPS	600	1226.2	1259.4	1224.1	985.7	861.2
	KOYNA-III HPS	320	585.2	673.9	839.8	528.6	477.2
	KOYNA-IV HPS	1000	1195.8	1573.4	1241.3	1264.1	1134.2
	PENCH HPS	160	414.9	304.5	365.2	367.2	419.9
	TILLARI HPS	60	106.5	116.7	126.7	47.2	99.4
	VAITARNA HPS	60	42.8	128.6	171.2	139.5	82.2
Manipur	LOKTAK HPS	105	621.6	455.5	478.0	298.2	687.4
Meghalaya	KYRDEMKULAI HPS	60	163.7	110.2	130.6	111.3	88.1
	MYNTDU(LESHKA) St-1 HPS	126	420.6	380.4	359.7	304.1	359.9
	NEW UMTRU HPS	40	229.8	160.8	196.2	163.6	179.9
	UMIAM HPS ST-I	36	149.5	64.9	117.7	85.5	106.9
	UMIAM HPS ST-IV	60	188.3	125.5	176.0	144.2	139.9
Mizoram	TUIRIAL HPS	60	158.9	137.4	204.1	118.6	235.9
Nagaland	DOYANG HPS	75	203.9	100.6	177.4	165.5	212.5
Odisha	BALIMELA HPS	510	1656.1	1062.0	1004.9	1035.3	1585.3
	CHIMPLIMA HPS	72	324.8	268.1	326.1	310.4	206.0
	HIRAKUD HPS	287.8	628.2	707.7	904.8	866.7	755.7
	MACHKUND HPS	114.75	666.1	718.5	543.7	863.0	421.9
	RENGALI HPS	250	1014.8	866.4	758.6	779.5	873.9
	UPPER INDRAVATI HPS	600	1757.3	1156.7	1380.4	1726.1	1281.3
	UPPER KOLAB HPS	320	812.8	451.2	544.4	581.3	733.5
Punjab	ANANDPUR SAHIB-I HPS	67	276.1	197.1	238.7	237.2	236.3
	ANANDPUR SAHIB-II HPS	67	297.8	199.2	245.7	237.3	220.6
	GANGUWAL HPS	77.65	635.6	609.9	599.0	610.8	540.7
	KOTLA HPS	77.65	637.5	613.9	601.6	601.1	535.7
	MUKERIAN-I HPS	45	1096.6	572.6	670.8	261.3	242.6
	MUKERIAN-II HPS	45	86.4	99.7	150.8	268.1	258.6
	MUKERIAN-III HPS	58.5	108.7	127.9	192.1	328.5	336.8
	MUKERIAN-IV HPS	58.5	109.5	126.4	193.3	289.2	299.7
	RANJIT SAGAR HPS	600	1498.9	1163.0	1507.7	1843.0	1211.1
Rajasthan	JAWAHAR SAGAR HPS	99	257.2	210.7	315.8	310.5	257.9
	MAHI BAJAJ-I HPS	50	155.6	135.1	168.0	143.1	139.5
	MAHI BAJAJ-II HPS	90	46.8	52.7	74.2	69.6	51.0
	R P SAGAR HPS	172	10.1	83.3	409.5	490.8	350.8
Sikkim	CHUZACHEN HPS	110	488.4	514.2	503.9	473.1	392.3
	DIKCHU HPS	96	459.0	481.5	535.9	394.1	24.7
	JORETHANG LOOP	96	399.9	424.7	433.5	356.9	403.5
	RANGIT HPS	60	288.7	337.7	332.4	297.0	306.1
	RONGNICHU HPS	113	-	295.4	434.8	396.8	392.6
	TASHIDING HPS	97	369.8	453.1	445.9	433.2	445.6
	TEESTA V HPS	510	2829.8	2671.8	2857.8	1966.0	0.0
	TEESTA-III HPS	1200	6044.0	6315.5	6152.6	4292.8	0.0
Tamil Nadu	ALIYAR HPS	60	119.2	22.6	168.6	98.4	142.1
	BHAWANI BARRAGE-II HPS	30	81.2	78.7	103.2	54.7	35.3
	BHAWANI BARRAGE-III HPS	30	61.0	63.5	65.1	33.5	52.1
	BHAWANI KATTAL	30	101.7	76.1	128.2	78.1	89.5
	KODAYAR-I HPS	60	202.6	207.4	221.7	129.4	54.0
	KODAYAR-II HPS	40	90.7	39.0	70.8	6.9	62.7
	KUNDAH-I HPS	60	302.1	262.1	271.1	222.1	115.6
	KUNDAH-II HPS	175	769.0	718.6	742.9	584.5	594.1
	KUNDAH-III HPS	180	460.5	449.2	464.0	366.8	375.8
	KUNDAH-IV HPS	100	137.4	183.0	158.6	88.4	152.4
	KUNDAH-V HPS	40	52.5	40.0	54.3	67.4	27.8
	LOWER METTUR-I HPS	30	75.3	78.7	99.7	52.1	64.3
	LOWER METTUR-II HPS	30	75.5	77.2	94.8	50.0	62.8
	LOWER METTUR-III HPS	30	75.9	73.7	88.7	49.9	60.7
	LOWER METTUR-IV HPS	30	63.8	61.5	67.6	40.7	49.3
	METTUR DAM HPS	50	133.8	135.3	226.9	83.4	118.1
	METTUR TUNNEL HPS	200	337.2	392.5	797.1	144.7	354.2

	MOYAR HPS	36	112.2	104.5	129.0	92.2	40.0
	PAPANASAM HPS	32	131.8	163.4	129.4	105.5	121.6
	PARSON'S VALLEY HPS	30	50.9	41.1	44.7	24.1	39.5
	PERIYAR HPS	161	548.0	779.2	661.9	440.1	541.6
	PYKARA HPS	59.2	0.0	0.1	35.3	3.1	20.6
	PYKARA ULTMATE HPS	150	337.9	322.4	463.5	308.3	328.6
	SARKARPATHY HPS	30	137.3	143.4	117.1	77.6	89.9
	SHOLAYAR HPS (TN)	70	290.4	400.2	298.2	202.9	273.5
	SURULIYAR HPS	35	111.1	33.2	0.0	26.5	115.8
Telangana	LOWER JURALA HPS	240	403.3	369.9	432.3	111.6	333.4
	NAGARJUN SGR HPS*	110	1248.7	2262.5	2354.9	540.7	1870.4
	NAGARJUN SGR LBC HPS	60	101.2	148.3	140.0	0.0	122.6
	POCHAMPAD HPS	36	91.0	110.8	138.9	76.0	58.9
	PRIYADARSHNI JURALA HPS	234	368.3	344.0	452.9	101.2	344.5
	PULICHINTALA HPS	120	201.4	315.2	330.5	102.0	265.2
Uttar Pradesh	KHARA HPS	72	325.5	357.6	328.6	273.6	255.4
	MATATILA HPS	30.6	116.8	87.0	126.4	99.3	107.6
	OBRA HPS	99	338.9	311.6	160.1	145.4	228.2
	RIHAND HPS	300	791.2	646.5	359.0	332.3	591.6
Uttarakhand	CHIBRO (YAMUNA) HPS	240	821.6	903.9	835.0	757.0	721.4
	CHILLA HPS	144	733.1	799.4	809.6	706.5	643.1
	DHAKRANI HPS	33.75	152.7	155.6	135.4	115.4	100.0
	DHALIPUR HPS	51	174.1	246.8	199.8	152.8	209.4
	DHAULI GANGA HPS	280	1153.2	1212.4	1292.8	974.1	1093.0
	KHATIMA HPS	41.4	218.8	229.8	228.7	204.7	171.0
	KHODRI HPS	120	375.5	430.8	402.8	366.2	347.6
	KOTESHWAR HPS	400	1221.5	1190.6	1255.2	1193.1	1143.3
	KULHAL HPS	30	133.4	160.1	151.7	127.6	132.5
	MANERI BHALI-I HPS	90	329.2	399.0	405.2	464.1	476.6
	MANERI BHALI-II HPS	304	1288.9	1412.5	1290.2	1200.8	1245.9
	NAITWAR MORI HPS	60	-	-	-	-	214.8
	RAMGANGA HPS	198	260.8	249.4	386.9	317.8	335.2
	SHRINAGAR HPS	330	1438.0	1421.9	1514.1	1306.4	1405.8
	SINGOLI BHATWARI HPS	99	-	80.4	466.0	393.7	423.6
	TANAKPUR HPS	94.2	473.2	540.2	535.0	453.4	432.6
	TEHRI ST-1 HPS	1000	3040.3	3098.1	3284.8	3248.6	3142.3
	VISHNU PRAYAG HPS	400	1778.4	1801.2	1910.8	1627.5	1784.9
	VYASI HPS	120	-	-	331.9	309.4	294.6
West Bengal	JALDHAKA HPS ST-I	36	201.5	178.1	165.9	153.2	169.6
	MAITHON HPS	63.2	192.4	221.4	100.1	76.3	152.9
	RAMMAM HPS	50	254.7	268.3	245.6	162.9	200.3
	TEESTA LOW DAM-III HPS	132	541.3	601.5	599.4	418.9	141.1
	TEESTA LOW DAM-IV HPS	160	719.0	736.8	734.6	638.2	585.9
Grand Total		42,223*	1,44,174	1,46,239	1,53,554	1,28,830	1,31,631

(\*):- NAGARJUN SAGAR HPS comprises a combination of Conventional and Pumped Storage Scheme. However, the generation figures are for the consolidated capacity.

Note ( \* ): The total installed capacity is about 42,983 MW including recent commissioned Pallivasal extension HEP (60 MW), Uhi-III HEP (100 MW) and Parbati-II HEP ( 600 MW).

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**ANNEXURE REFERRED TO IN PART (f) OF THE STATEMENT LAID IN REPLY TO STARRED QUESTION NO. 472 ANSWERED IN THE LOK SABHA ON 03.04.2025 REGARDING HYDROELECTRIC PROJECTS**

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**List of Hydro Electric Projects (above 25 MW) held-up**

Sl. No.	Name of Scheme Executing Agency)	Sector	State/ District	Installed Capacity	Capacity Under Execution (MW)	Physical progress (in %)	Present Status
<b>A</b>	<b>Projects held up due to sub-judice matters</b>						
<b>1</b>	<b>Lata Tapovan (NTPC)</b>	<b>Central</b>	<b>Uttarakhand /Chamoli</b>	<b>3x57</b>	<b>171</b>	<b>3.8%</b>	<b>Matter is sub-judice. Infrastructure works almost completed. Hon'ble SC stayed construction of 24 HE projects in Uttarakhand including Lata Tapovan. Work stalled since May, 2014.</b>
<b>2</b>	<b>Maheshwar (SMHPCL)</b>	<b>Private</b>	<b>Madhya Pradesh /Khargone &amp; Khandwa</b>	<b>10x40</b>	<b>400</b>	<b>85%</b>	<b>Matter is sub-judice. Works suspended since Nov-11 due to cash flow problem with developer. M.P. Power Management Company Ltd. has terminated the Power Purchase Agreement with SMHPCL on 18.04.2020. The application of PFC has been admitted in NCLT on 27.09.2022 under IBC. CIRP has been put on hold by NCLT vide order dated 17.03.2023 in an application filed by Entegra Ltd. PFC has filed an Appeal before the NCLAT against the NCLT Order dated 17.03.2023 for recommencement of CIRP.</b>

3	Bhasmey (Gati Infrastructure) Pvt. Ltd.	Private	Sikkim/ East Sikkim	2x25.5	51	30%	Matter is sub-judice. The Court appointed Resolution Professional for Bhasmey HEP stated that works stalled since Sept., 2016. CIRP has been initiated against Gati infra and NCLT has appointed Resolution Professional. The Resolution Professional has received 4 Resolution Plan in the matter of Gati Infrastructure Bhasmey Power Private Limited and are pending for approval from the Committee of Creditors.
			Subtotal		622		
B	Projects held up due to funds constraints						
1	Tangnu Romai Power Generation Power Ltd.	Private	Himachal Pradesh/ Shimla	2x22	44	20%	Works on hold since Aug'2016. Corporate Insolvency Resolution Process (CIRP) has been initiated in respect of the Corporate Debtor (TRPGPL) under the Insolvency and Bankruptcy Code 2016 (IBC) vide an order of the Hon'ble National Company Law Tribunal, Chandigarh Bench dated 06 <sup>th</sup> May, 2024.
2	Rangit-II (Sikkim Hydro) Power Ventures Ltd.	Private	Sikkim/ West Sikkim	2x33	66	20%	Works stalled since Dec., 2017. Funds constraints with the developer. There was delay in providing land by State Government to the Company for Construction, the Environment Clearance got Expired.
			Sub total		110		

C	Project held up due to accessibility to project site						
1	Panan (Himagiri) Hydro Energy Private Ltd.	Private	Sikkim/ North Sikkim	4x75	300	Nil	Initially, the project secured all necessary approvals and began construction in 2011, but an earthquake in 2011 delayed progress until 2012. Floods in 2016 washed away infrastructure, further hindering construction. Additionally, the formation of Mantam Lake posed further concerns. The project faced delays in obtaining NBWL clearance, which was finally achieved in 2019. The COVID - 19 pandemic caused a lockdown from 2020 to 2021, delaying progress again. In October 2023, flash floods disrupted infrastructure, and the Teesta bridge collapse in February 2025 halted the project entirely. Despite overcoming several challenges, the project remains stalled due to ongoing infrastructure issues.
			Subtotal		300		
D	Projects held up due to other issue						
1	Lower Kalnai (JKSPDC)	State	U.T of Jammu & Kashmir / Kishtwar	2x24	48	10%	The Lower Kalnai Hydel Project (48 MW) in Jammu and Kashmir faced delays due to contractor insolvency. The Notification of Award was issued on September 12, 2013, with a completion deadline of September 2017. On account of poor progress & insolvency of the contractor, JKSPDC decided to encash bank guarantees to talling Rs.79.532 crore and terminate the contract. The EPC Contract with M/s. Coastal Projects Private Limited was terminated in August 2019. The revised project cost was tendered in March 2022, with M/s. MEIL emerging as the lowest bidder. However, the project's financial viability remains uncertain due to the need for exemptions, including SGST reimbursement and waivers on free power and water usage charges.

2	Phata Byung (LANCO)	Private	Uttrakhand/ Rudrapraya	2x38	76	74.0%	Works stalled since July, 2017 due to Financial crunch. The project stands allotted to M/s. Statkraft IH through NCLT on 23.03.2023.
			Subtotal		124		
	Total				1156		

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