

GOVERNMENT OF INDIA  
MINISTRY OF POWER

**RAJYA SABHA**  
**UNSTARRED QUESTION NO.1594**  
**ANSWERED ON 05.08.2024**

**NEW HYDRO-ELECTRIC PROJECTS IN KERALA**

**1594 SMT. JEBI MATHER HISHAM:**

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

- (a) whether the State Government of Kerala has submitted any proposal as an alternative to Athirappilly hydro-electric project;
- (b) whether any proposal for new hydroelectric projects have been submitted by the State Government of Kerala; and
- (c) the quantum of electricity additionally generated (in MW) in Kerala over the last five years and which year witnessed the maximum production and the name of the projects?

**A N S W E R**

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

**(a) :** No.

**(b) :** One proposal namely Idukki Extension Scheme (Hydro Electric Project) with installed capacity of 800 MW was submitted in April, 2022 by Kerala State Electricity Board Limited (KSEBL) (wholly owned by the Government of Kerala) in Central Electricity Authority (CEA). However, the proposal was returned in July, 2024 as there was no progress by the developer in preparation of Detailed Project Report (DPR).

**(c) :** The quantum of electricity generated in Kerala over the last five years including maximum production and the name of the projects is **annexed**.

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ANNEXURE REFERRED IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 1594 ANSWERED IN THE RAJYA SABHA ON 05.08.2024

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**Details of Power Plants of Kerala and their generation during last five years**

Sl. No.	Name of Station	Installed Capacity (MW)	Generation in Million Units (MU)					2024-25 (as on 30.06.2024)	Total Generation in MU
			2019-20	2020-21	2021-22	2022-23	2023-24		
A	Hydro Electric Stations								
1	Idamalayar	75	261	290	377	409	198	80	1615
2	Idukki	780	1830	2530	3710	3262	1645	689	13666
3	Kakkad	50	176	185	273	243	189	63	1129
4	Kuttiady & Kuttiady Additional	225	591	748	747	787	523	152	3548
5	Lower Periyar	180	427	538	812	689	489	94	3049
6	Neriamangalam	53	315	285	312	238	183	47	1380
7	Pallivasal	38	142	134	162	148	157	43	786
8	Panniar	30	137	181	211	199	165	30	923
9	Poringalkuthu	32	95	153	220	157	96	21	742
10	Sabarigiri	300	1113	1228	2047	1532	1130	422	7472
11	Sengulam	48	151	118	184	127	132	25	737
12	Sholayar	54	216	238	263	198	250	51	1216
Total Generation Hydro		1865	5454	6628	9318	7989	5157	1717	36263
Generation Target		-	6034	5900	6505	7414	7668	1577	35098

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Sl. No.	Name of Station	Installed Capacity (MW)	Generation in Million Units (MU)					2024-25 (as on 30.06.2024)	Total Generation in MU
			2019-20	2020-21	2021-22	2022-23	2023-24		
<b>B</b>	<b>Thermal</b>								
1	Bramhapuram DG	64	0	0	0	0	0	0	0
2	Cochin CCPP(Liquid)	174	0	0	0	0	0	0	0
3	Kozikhode DG	96	12	8	0	0	0	0	20
4	R. Gandhi CCPP (Liquid)	360	0	101	0	0	0	0	101
<b>Total Generation (Thermal)</b>		<b>694</b>	<b>12</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121</b>
<b>Generation Target (Thermal)</b>		<b>-</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>
<b>Grand Total Generation (Hydro +Thermal)</b>		<b>-</b>	<b>5466</b>	<b>6737</b>	<b>9318</b>	<b>7989</b>	<b>5157</b>	<b>1717</b>	<b>36384</b>
<b>Grand Total Generation Target (Hydro +Thermal)</b>		<b>-</b>	<b>6044</b>	<b>5910</b>	<b>6515</b>	<b>7414</b>	<b>7668</b>	<b>1577</b>	<b>35128</b>
<b>Variation wrt Generation Target (both Hydro and Thermal) (+ more)/(-less)</b>		<b>-</b>	<b>-578</b>	<b>827</b>	<b>2803</b>	<b>575</b>	<b>-2511</b>	<b>140</b>	<b>1256</b>
<b>C</b>	<b>Renewable Energy Sources (RES)</b>								
1	Wind	64	120	130	136	179	215	30	810
2	Solar	1165	144	275	497	880	1195	454	3445
3	Bio Power	3	11	46	49	63	78	21	268
4	Small hydro	277	530	641	932	824	716	149	3792
<b>Total Generation (RES)</b>		<b>1509</b>	<b>805</b>	<b>1092</b>	<b>1614</b>	<b>1946</b>	<b>2204</b>	<b>654</b>	<b>8315</b>
<b>Total Generation from Hydro, Thermal &amp; RES</b>		<b>4068</b>	<b>6271</b>	<b>7829</b>	<b>10932</b>	<b>9935</b>	<b>7361</b>	<b>2371</b>	<b>44699</b>

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