

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.480
ANSWERED ON 06.02.2024

NLC POWER PLANTS

480 SHRI R. GIRIRAJAN:

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

- (a) whether Government has any issues at NLC power plants at Neyveli and Tuticorin, North Chennai units, Vallur and other Thermal power plants in Tamil Nadu;
- (b) if so, the details thereof and the details of total installed capacity and power generated since May 2021 and the power (in terms of units) shared with other States, State-wise;
- (c) whether the Central Grid Load Flow Strength and Capacity production increased in Tamil Nadu, if so, the details thereof and if not the reasons there for; and
- (d) the steps taken to develop Power plants and increase the total power generation?

A N S W E R

THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY

(SHRI R.K. SINGH)

(a): The Government has no issues at Neyveli Lignite Corporation (NLC) power plants at Neyveli and Tuticorin, North Chennai units, Vallur and other Thermal power plants in Tamil Nadu.

(b): The total installed power capacity in Tamil Nadu is 38,548.35MW and its details are at **Annexure-I**.

The total power generated from April 2021 to December 2023 in Tamil Nadu is 3,15,880.70 Million Units (MU) and its details are at **Annexure-II**.

The details of power (in term of Million Units) shared by the Central Generating Stations in Tamil Nadu with other States is at **Annexure-III**.

(c): The interstate power flow in the transmission corridor in the state of Tamil Nadu has increased from 8,500 MW to 10,400 MW due to commissioning of transmission elements of State Transmission Utility (STU).

(d): To increase the total power generation in the state of Tamil Nadu, new power generation capacity of 3960 MW is being added through the execution of the under construction of Thermal and Hydro projects as mentioned below:

Sl. No.	Name of the Projects	Capacity (MW)	Tentative Commissioning Schedule
Thermal projects			
1.	North Chennai Stage III	800	2023-24
2.	Udangudi Stage I	1320	2024-25
3.	Ennore SEZ	1320	2025-26
Hydro Projects			
4.	Kundah Pumped Storage Hydro Electric Project	500	2025-26
5.	Kollimalai Hydro Electric Project	40	2024-25
Total		3960	

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Fuel-Wise, Station Wise - Total installed Power capacity in Tamil Nadu (in MW)

Sl. No.	Fuel	Sector	Organisation	Name of Project	Capacity (MW)
1	Coal	Central Sector	NTPC Tamil Nadu Energy Co. Ltd. (NTECL)	VALLUR TPP	1500
2			NLC Tamil Nadu Power Ltd. (NTPL)	NTPL TUTICORIN TPP	1000
		Sub Total			2500
3		State Sector	TANGEDCO	METTUR TPS	840
4				METTUR TPS-II	600
5				NORTH CHENNAI TPS	1830
6				TUTICORIN TPS	1050
		Sub Total			4320
7		Private Sector	Coastal Energen Power Ltd. (CEPL)	MUTHIARA TPP	1200
8				Ind Barath (IBPIL)	TUTICORIN (P) TPP
9	IL&FS Tamil Nadu Power Co. Ltd. (ITPCL)			ITPCL TPP	1200
10	SEPC Pvt Power Ltd. (SPPL)			TUTICORIN TPP ST-IV	525
	Sub Total			3225	
Coal Total					10045
11	Lignite	Central Sector	Neyveli Lignite Corporation (NLC)	NEYVELI (EXT) TPS	420
12				NEYVELI NEW TPP	1000
13				NEYVELI TPS-II	1470
14				NEYVELI TPS-II EXP	500
		Sub Total			3390
15		Private Sector	ST-CMSECP	NEYVELI TPS(Z)	250
	Sub Total			250	
Lignite Total					3640

16	Diesel	Private Sector	MADURAI P	SAMAYANALLUR DG	106.001		
17				SAMALPATI	SAMALPATTI DG	105.7	
			Sub Total			211.701	
Diesel Total					211.701		
18	Gas	State Sector	TANGEDCO	BASIN BRIDGE GT (Liq.)	120		
19						KOVIKALPAL CCPP	107.88
20						KUTTALAM CCPP	100
21						NARIMANAM GPS	10
21						VALUTHUR CCPP	186.2
		Sub Total			524.08		
23		Private Sector	ABAN POWR	KARUPPUR CCPP	119.8		
24			PENNA	VALANTARVY CCPP	52.8		
25			PPNPGCL	P.NALLUR CCPP	330.5		
		Sub Total			503.1		
Gas Total					1027.18		
26	Hydro	State Sector	TANGEDCO	ALIYAR HPS	60		
27						BHAWANI BARRAGE-II HPS	30
28						BHAWANI BARRAGE-III HPS	30
29						BHAWANI KATTAL	30
30						KADAMPARI HPS	400
31						KODAYAR-I HPS	60
32						KODAYAR-II HPS	40
33						KUNDAH-I HPS	60
34						KUNDAH-II HPS	175
35						KUNDAH-III HPS	180
36						KUNDAH-IV HPS	100
37						KUNDAH-V HPS	40
38						LOWER METTUR-I HPS	30
39						LOWER METTUR-II HPS	30
40						LOWER METTUR-III HPS	30
41						LOWER METTUR-IV HPS	30
42						METTUR DAM HPS	50
43						METTUR TUNNEL HPS	200
44						MOYAR HPS	36
45						PAPANASAM HPS	32
46						PARSON'S VALLEY HPS	30

47				PERIYAR HPS	161
48				PYKARA HPS	59.2
49				PYKARA ULTMATE HPS	150
50				SARKARPATHY HPS	30
51				SHOLAYAR HPS (TN)	70
52				SURULIYAR HPS	35
				Sub Total	2178.2
				Hydro Total	2178.2
53				KUDANKULAM	2000
54	Nuclear	Central Sector	Nuclear Power Corporation of India Ltd. (NPCIL)	MADRAS A.P.S.	440
				Sub Total	2440
				Nuclear Total	2440
				Conventional Total	19542.08
	RES (Excluding Large Hydro)				
	Small Hydro				123.05
	Wind Power				10433.57
	BM Power/Cogen.				1012.65
	Waste to Energy				31.05
	Solar Power				7405.95
	RES Total				19006.27
				Grand Total	38548.35

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**Fuel-Wise, Station Wise Generation of Plants in Tamil Nadu From 2021-22 to 2023-24(Upto
Dec' 2023)**

Sl. No.	Fuel	Station Name	Generation in MU (Million Units)		
			2021-22	2022-23	2023-24 (upto Dec 23)
Thermal Capacity Generation					
1	COAL	ENNORE SCTPP	0	0	0
2		ITPCL TPP	3093.68	2302.51	5190.18
3		METTUR TPS	4795.92	5395.76	4266.39
4		METTUR TPS - II	2763.78	3000.69	2356.32
5		MUTHIARA TPP	1221.72	2349.99	3819.33
6		NORTH CHENNAI TPS	7868.89	8574.92	6910.6
7		NTPL TUTICORIN TPP	4182.47	5930.01	4120.4
8		TUTICORIN (P) TPP	0	0	0
9		TUTICORIN TPP ST-IV	0	922.46	2220.22
10		TUTICORIN TPS	4962.6	5717.92	4671.56
11		UDANGUDI TPP	0	0	0
12		VALLUR TPP	7913.49	9566.74	5743.08
	Total Coal		36802.55	43761	39298.08
13	LIGNITE	NEYVELI (EXT) TPS	3266.37	3114	1973.72
14		NEYVELI NEW TPP	6177.93	7156.19	5151.72
15		NEYVELI TPS(Z)	1538.28	1217.31	1021.9
16		NEYVELI TPS-I	0	0	0
17		NEYVELI TPS-II	9623.91	8000.26	3947.17
18		NEYVELI TPS-II EXP	2041.5	1972.52	1682.36
	Total Lignite		22647.99	21460.28	13776.87
19	Gas	BASIN BRIDGE GT (Liq.)	0	0.83	0
20		KARUPPUR CCPP	199.78	55.15	0
21		KOVIKALPAL CCPP	155.45	169.92	47.27
22		KUTTALAM CCPP	361.9	510.82	510.74
23		P.NALLUR CCPP	0	69.11	0
24		VALANTARVY CCPP	72.17	0	0
25		VALUTHUR CCPP	942.92	1056.12	859.94
	Total Gas		1732.22	1861.95	1417.95
26	DIESEL	SAMALPATTI DG	0	0	0
27		SAMAYANALLUR DG	0	0	0
	Total Diesel		0	0	0

Hydro Capacity Generation					
28	HYDRO	ALIYAR HPS	22.64	168.6	87.5
29		BHAWANI BARRAGE-II HPS	78.73	103.21	50.88
30		BHAWANI BARRAGE-III HPS	63.5	65.09	33.45
31		BHAWANI KATTAL	76.07	128.16	77.5
32		KADAMPARI HPS	265.63	263.51	48.17
33		KODAYAR-I HPS	207.37	221.68	74.89
34		KODAYAR-II HPS	38.98	70.75	6.91
35		KUNDAH-I HPS	262.06	271.1	194.96
36		KUNDAH-II HPS	718.55	742.89	509.33
37		KUNDAH-III HPS	449.15	463.95	313.65
38		KUNDAH-IV HPS	183.04	158.62	83.86
39		KUNDAH-V HPS	40	54.32	62.58
40		LOWER METTUR-I HPS	78.67	99.74	48.47
41		LOWER METTUR-II HPS	77.18	94.79	47.21
42		LOWER METTUR-III HPS	73.73	88.7	46.92
43		LOWER METTUR-IV HPS	61.52	67.59	38.74
44		METTUR DAM HPS	135.34	226.85	69.26
45		METTUR TUNNEL HPS	392.49	797.06	139.2
46		MOYAR HPS	104.47	129.04	72.38
47		PAPANASAM HPS	163.37	129.42	57.51
48		PARSON'S VALLEY HPS	41.13	44.66	23.43
49		PERIYAR HPS	779.16	661.9	279.42
50		PYKARA HPS	0.12	35.33	3.07
51		PYKARA ULTMATE HPS	322.37	463.51	243.63
52		SARKARPATHY HPS	143.41	117.11	43.28
53		SHOLAYAR HPS (TN)	400.15	298.19	202.87
54		SURULIYAR HPS	33.24	0	1.91
Total Hydro			5212.07	5965.77	2860.98
Nuclear Capacity Generation					
55	NUCLEAR	KUDANKULAM	14536.04	14226.3	10351.43
56		MADRAS A.P.S.	1089.22	1786.27	1098.9
Total Nuclear			15625.26	16012.57	11450.33
Conventional Grand Total			82020.09	89061.57	68804.21
Renewable Generation			24061.28	27626.45	24307.07
Grand Total			106081.40	116688.02	93111.28
Total Generation since April 2021 to December 2023				315880.70 MU	

ANNEXURE-III

ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 480
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**Power (in term of Million Units) shared by the Central Generating Stations in Tamil Nadu
with other States (firm allocation)**

State/UTs	NLC power plants (April 2021 to Dec. 2023) (in MU)	NTECL Vallur (JV of NTPC & TANGEDCO) (May- 21 to Dec-23) (in MU)	Nuclear Power Plants(April 2021 to Dec. 2023) (in MU)
TAMIL NADU	30,435	15,984.91	21,043.89
ANDHRA PRADESH	4,545	1,413.37	158.2
KARNATAKA	11,728	2,342.57	8,906.05
KERALA	5,288	732.56	5,409.99
TELANGANA	4,479	1,580.51	184.81
PUDUCHERRY	2,920	235.08	1355.62
J&K	171	57.09	-
UTTARAKHAND	109	40.75	-
ORISSA	8	3.26	-
DELHI	97	35.60	-
TOTAL	59,780	22,425.70	37,058.56
