

Development

TANGEDCO'S ENERGY SCENARIO AT A GLANCE

Hydro

There are 47 hydro stations with installed capacity of 2,321.9 MW. The maximum inflows realized are during South-West monsoon (June to October). The stations are irrigation and non irrigation tied. Hydro stations are mainly operated for maintaining frequency of the grid and for emergency and contingency management.

S.No.	Name of the Power Station	Capacity in (MW)
1	Non-Irrigation	1,030.65
2	Pumped Storage	400.00
3	Irrigation	891.25
	Total Hydro	2,321.90

Thermal

The installed capacity is 4,320 MW. TANGEDCO's thermal power stations have always been efficient with high Plant Load Factor (PLF).

S.No.	Name of Power Station	Capacity in MW
1	Mettur Thermal Power Station-I (4x210 MW)	840
2	Tuticorin Thermal Power Station (5x210 MW)	1,050
3	North Chennai Thermal Power Station -I (3x210MW)	630
4	Mettur Thermal Power Station II (1x600 MW)	600
5	North Chennai Thermal Power Station - II (2x600 MW)	1,200
	Total Thermal	4,320

Gas

The installed capacity is 516.08 MW.

S. No.	Name of Power Station	Capacity in MW
1	Basin Bridge (4x30 MW)	120.00
2	Thirumakottai (Kovilkalappal) (1x107.88 MW)	107.88
3	Valuthur (Phase I- 95MW & Phase II-92.2MW)	187.20
4	Kuttalam (1x101 MW)	101.00
	Total Gas	516.08

TANGEDCO accords top priority to provide quality, reliable supply of electricity to the people of the State. As on 31.03.2022, electricity is supplied to 324.54 lakh consumers. The electricity network covers all villages and towns throughout the State. The per capita consumption of electricity in the State is estimated at 1,593 units for 2021-22. As on 31.03.22, 22,87,280 numbers of agricultural pump sets have been energised.

Installed capacity in MW as on 01.04.2022

