



Operational Performance of Power Plants

Energy Generation

26
Grid-Connected Plants

4,459.41MW ▼ 5.66%
Total Available Capacity

4,274.80MWh/h ▼ 3.94%
Average Hourly Generation

3,180.45GWh ▼ 3.94%
Total Energy Generated

*▲▼ – Relative change compared to previous month (December) 2023

Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.62Hz ▲ 0.70%
	lower 49.75Hz	49.03Hz ▼ 1.45%
Grid Voltage	upper 346.50kV	350.80kV ▲ 1.24%
	lower 313.50kV	299.93kV ▼ 4.33%

*▲▼ – Percentage deviation from target

Other Grid Connected Plants

Plant	Installed Capacity (MW)	Average Available Capacity (MW)	Plant Availability Factor (%)	Total Generation (GWh)	Load Factor (%)
Afam IV - V	726	43.97	6%	34.98	100%
Sapele ST	720	32.74	5%	16.79	99%
Olorunsogo NIPP	690	94.77	14%	73.82	100%
Omosho NIPP	500	42.26	8%	26.57	85%
Sapele GT NIPP	452	58.90	13%	46.34	100%
Ihovbor NIPP	450	11.02	2%	7.10	87%
Geregu NIPP	435	119.25	27%	88.91	100%
Omosho	304	91.51	30%	69.12	100%
Olorunsogo	304	83.54	27%	63.37	100%
Ibom Power	191	145.00	76%	61.78	57%
River IPP	180	113.65	63%	85.94	100%
Omoku	150	52.20	35%	49.82	100%
Trans Amadi	100	35.81	36%	32.85	100%
Paras	96	93.50	97%	54.24	85%
Taopex Energy	60	8.73	15%	8.38	100%
Dadin Kowa	40	34.00	85%	25.48	100%
Grid Total	12,199	4,459.41	37%	3,180.45	96%

Largest energy producers – January 2024

