



Operational Performance of Power Plants

Energy Generation

26
Grid-Connected Plants

32% ▼ 5.00%
Plant Availability Factor

3,957.16MW ▼ 11.26%
Total Available Capacity

2,642.09GWh ▼ 16.93%
Total Energy Generated

*▲▼ – Relative change compared to previous month (January) 2024

Grid Performance

	Target	Actual
Grid Frequency	upper 50.25Hz	50.73Hz ▲ 0.96%
	lower 49.75Hz	48.93Hz ▼ 1.65%
Grid Voltage	upper 346.50kV	354.00kV ▲ 2.16%
	lower 313.50kV	299.48kV ▼ 4.47%

*▲▼ – 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	29.73	4%	21.58	100%
Sapele ST	720	66.26	9%	44.34	96%
Olorunsogo NIPP	690	48.54	7%	31.95	95%
Omosho NIPP	500	00.00	0%	00.00	0%
Sapele GT NIPP	452	12.70	3%	4.54	51%
Ihovbor NIPP	450	5.6	1%	3.56	91%
Geregu NIPP	435	128.12	29%	91.60	100%
Omosho	304	68.67	23%	48.51	100%
Olorunsogo	304	67.28	22%	48.36	100%
Ibom Power	191	140.86	74%	45.71	47%
River IPP	180	10.93	6%	6.90	91%
Omoku	150	47.98	32%	45.49	100%
Trans Amadi	100	19.35	19%	18.54	100%
Paras	96	87.00	91%	47.51	78%
Taopex Energy	60	10.45	17%	7.99	100%
Dadin Kowa	40	30.12	75%	20.11	96%
Grid Total	12,199	3,957.16	32%	2,642.09	96%

Largest energy producers – February 2024

