



# Operational Performance of Power Plants

## Energy Generation

**27**

Grid-Connected Plants

**35%** ▲ 3.00%

Plant Availability Factor

**4,338.88MW** ▲ 9.64%

Total Available Capacity

**3,084.02GWh** ▲ 17.98%

Total Energy Generated

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

## Grid Performance

	Target	Actual
<b>Grid Frequency</b>	upper 50.25Hz	50.68Hz ▲ 0.86%
	lower 49.75Hz	49.18Hz ▼ 1.15%
<b>Grid Voltage</b>	upper 346.50kV	348.29kV ▲ 0.52%
	lower 313.50kV	298.55kV ▼ 4.78%

\*▲▼ – 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	58.00	8%	39.02	90%
Sapele ST	720	98.06	14%	71.85	98%
Olorunsogo NIPP	690	55.81	8%	44.52	100%
Omosho NIPP	500	0.00	0%	0.00	0%
Sapele GT NIPP	452	6.81	2%	3.02	60%
Ihovbor NIPP	450	0.00	0%	0.00	0%
Geregu NIPP	435	121.03	28%	86.52	96%
Omosho	304	93.59	31%	67.90	98%
Olorunsogo	304	88.90	29%	67.27	100%
Ibom Power	191	54.63	29%	35.65	88%
River IPP	180	4.72	3%	3.26	93%
Omoku	150	54.57	36%	51.91	100%
Trans Amadi	100	22.92	23%	20.63	100%
Paras	96	85.00	89%	55.77	88%
Taopex Energy	60	9.42	16%	7.16	100%
Mepp	50	8.18	16%	5.50	90%
Dadin Kowa	40	12.48	31%	9.19	99%
<b>Grid Total</b>	<b>12,249</b>	<b>4,338.88</b>	<b>35%</b>	<b>3,084.02</b>	<b>96%</b>

## Largest energy producers – March 2024

