Monthly

Electricity Futures

A New Era in India's POWER RISK MANAGEMENT

1 NATION GRID PRICE

Monthly Electricity Futures are exchange-traded, standardized, and cash-settled contracts that allow market participants to secure pricing for 28/30/31 days of **round-the-clock (RTC)** electricity delivery — equivalent to **24x7** hrs à well in advance (up to **three months ahead**).

Key characteristics of the product:

- **No physical delivery is required;** all contracts are financially settled.
- **No transmission scheduling is needed** since unconstrained market prices are used for settlement purposes.
- These contracts operate **alongside the physical electricity market,** providing a complementary financial instrument rather than being part of the physical trading or delivery process.

The product is designed to enable efficient **hedging, and risk management,** in electricity markets, helping participants manage exposure to price volatility.

NSE

Electricity Futures (ELECMBL) | Trade Metrics

NSE's Approach to Transparent and Inclusive Price Discovery

1. **Unified Pricing:** Based on "One Nation, One Grid, One Price"; not limited to a single PX or segment.

2. **Scientific VWAP Methodology:** Uses global best practices across 96 blocks, factoring in price & volume from all 3 PXs.

3. **All-Inclusive Market Segments:** Covers Conventional, Green, and High Price DAM segments (calculated and provided by PXIL).

4. **Green Power Recognition:** NSE integrates green power into its pricing, promoting sustainability.

5. **Holistic Price Discovery:** VWAP formula ensures fair pricing: **Daily Volume-Weighted Average Price(VWAP) of 96 Blocks (Per Exchange)**

$$\textit{Daily VWAP} = \frac{\sum_{t=1}^{96} MCP_t \times MCV_t}{MCV_t}$$

MCP_t: Market Clearing Price for 15 min Blocks
MCV_t: Market Clearing Volume for 15 min Blocks

Due Date Rate= Average of VWAP of all days in the month

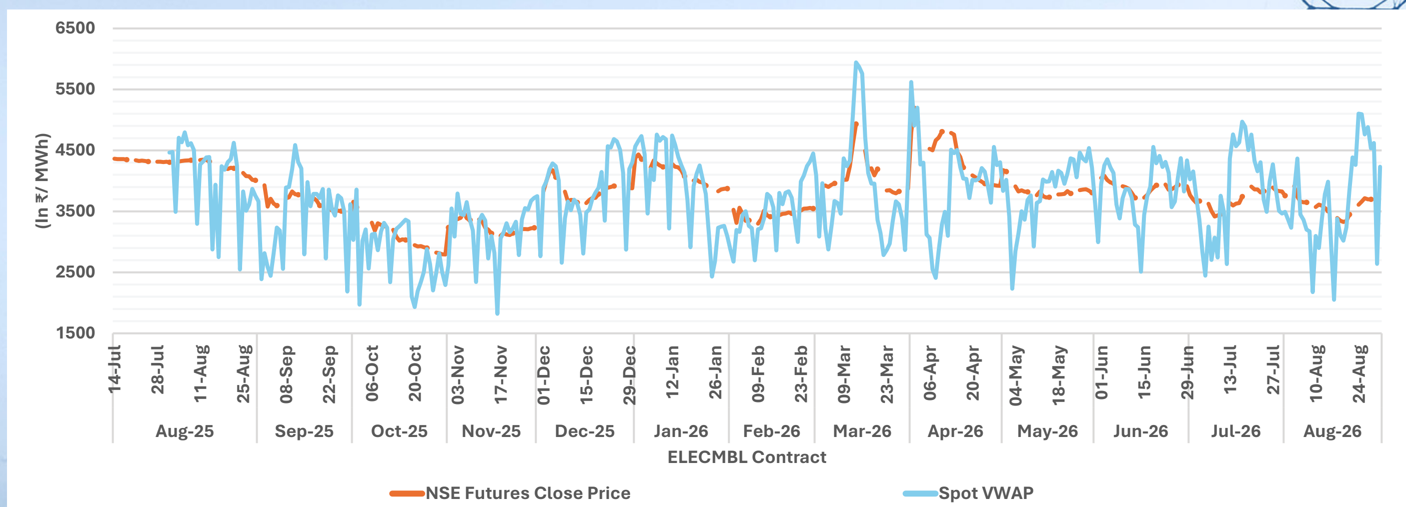
Aug 2025 Contract to Aug 2026 Contract ELECMBL Trade Metrics

8,00,530 Total Lots Traded

40,027 MUs NSE Volume

₹ 15,291 Cr. NSE Turnover

~66% Market Share



Source: NSE, till 31st August, 2026.