



On the Implementation Plan for the Power Development Plan - VIII of Vietnam

On 1 April 2024, Prime Minister's Decision No. 262/QĐ-TTg ("PDP-8 Implementation Plan") was initiated, laying down the implementation plan for the Decision No. 500/QĐ-TTg ("PDP-8") of the Prime Minister, dated 15 May 2023.

Goals aligned with PDP-8

- *Balanced development of power sources across the regions, ensuring supply-demand parameters.*
- *Maintaining feasibility, synchronization and flexibility among various power sources/grid development.*
- *Tracking progress and resources for implementing priority schemes/projects on refining policies and strengthening scientific and technological capacity of the entire power industry.*
- *Mobilisation of resources while inviting participation of economic stakeholders for power industry development.*

Power sources - 2030

| Sr. No. | Source | Total Capacity (MW) | PDP-8 Implementation Plan – Table No./Appendix No. |
|----------------------------------|---|---|--|
| Prioritised Power Sources | | | |
| 1 | Domestic Gas | 14,930 | 1/III |
| 2 | LNG | 22,400 | 2/III |
| 3 | Coal | 30,127 | 3/III |
| 4 | Co-generation (residual heat and flue gas) | 2,700 | 5/III |
| 5 | Hydropower (medium and large) | 29,346 | 6/III |
| 6 | Pumped storage hydropower | 2,400 | 7/III |
| Renewable Energy (RE) | | | |
| 7 | Offshore Wind | 6,000 | 1/II |
| 8 | Onshore Wind (incl. nearshore) | 21,880 | 9/III |
| 9 | Small Hydro | 29,346 | 10/III |
| 10 | Biomass | 1,088 | 11/III |
| 11 | Waste-to-Energy | 1,182 | 12/III |
| 12 | Rooftop Solar (off grid) | 2,600 | 6/II |
| 13 | Battery Storage (hybrid power sources prioritised) | 300 | 8/III |
| Other Power Sources | | | |
| 14 | Flexible | 300 | |
| 15 | Import (Laos) | 5,000 increase up to 8,000 | |
| 16 | RE Export (central and south) | 5,000 - 10,000 | |
| | RE to produce Hydrogen, Green Ammonia for domestic and export | Up to 5,000 (mainly offshore wind source) | |
| Transmission Capacities | | | |
| 17 | Prioritised Projects | | IV |

Plan for Industrial Ecosystem and Energy Services

- R&D to build two (02) inter-regional RE industrial and service centers upto 2030:
 - North: Hai Phong, Quang Ninh, Thai Binh,..., consideration open for expanding in the neighboring areas.
 - Scale: Offshore wind – 2,000 MW, Onshore and nearshore wind – 500 MW
- Inter-regional RE industrial and service center:
 - South-Central, Southern: Ninh Thuan, Binh Thuan, Ba Ria – Vung Tau, Ho Chi Minh City, ... consideration open for expanding in the neighboring areas.
 - Scale: Offshore wind – 2,000 MW to 2,500 MW, Onshore and nearshore wind – 1,500 MW – 2,000 MW.

- Setup equipment manufacturing facilities to serve RE development, seaport services, logistics for construction, installation, O&M.
- Develop green industrial parks, low carbon emissions.

Land Requirements

By 2030, 90.3 thousand ha

Inclined Capital Figures - 2030

- Public Investment
 - Priority project: 50 billion VND
 - Rural, mountainous island areas: 29,779 billion VND
- Private and other Investment
 - 3,223 trillion VND (approx. USD 134.7 billion). Of which, investment in power source is approx.. 2,866.5 trillion VND (approx.. USD 119.8 billion) and investment in transmission network is approx.. 356.5 trillion VND (approx.. USD 14.9 billion).
 - For 2021 – 2025: 1,366.2 trillion VND (approx.. USD 57.1 billion). Of which, power source is 1,150.9 trillion VND (approx.. USD 48.1 billion) and transmission grid is 215.3 trillion VND (approx.. USD 9 billion).
 - For 2026 – 2030: 1,856.7 trillion VND (approx.. USD 77.6 billion). Of which, power source is 1,715.6 trillion VND (approx.. USD 71.7 billion) and transmission grid is 141.2 trillion VND (approx.. USD 5.9 billion).

(Note: For further information/list of projects etc., please contact us at the details provided below)

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