



Powerthon-2022

Why in News?

Recently, the Ministry of Power has launched Powerthon-2022.

What is Powerthon-2022?

- It is a hackathon competition under [RDSS \(Revamped Distribution Sector Scheme\)](#) to **find technology driven solutions to solve the complex problems** in power distribution.
- The **hackathon will see participation from startups**, Technology Solution Providers (TSPs), educational and research institutions, equipment manufacturers and state power utilities and other power entities.
- The **nine themes** for the hackathon are -- demand/load forecasting, AT&C (Aggregate Technical and Commercial) loss reduction, energy theft detection, prediction of DT (Distribution Transformer) failure, asset inspection, vegetation management, consumer experience enhancement, renewable energy integration and power purchase optimisation.

What is RDSS?

- It was approved by the Cabinet Committee on Economic Affairs in July 2021 to **improve the operational efficiencies and financial sustainability of discoms** (excluding Private Sector DISCOMs).
- It provides **conditional financial assistance to strengthen the supply infrastructure** of discoms (power distribution companies).
- All the existing power sector reforms schemes such as [Integrated Power Development Scheme](#), [Deen Dayal Upadhyaya Gram Jyoti Yojana](#), and [Pradhan Mantri Sahaj Bijli Har Ghar Yojana](#) **will be merged** into this umbrella program.
- The scheme will be available **till 2025-26**.
- RDSS is a **Reform-based and Result-linked Scheme** and the **key objectives** of RDSS are **Reducing AT&C losses to 12-15%, eliminating the cost-revenue gap by 2024-25** and **improving the quality & reliability of the power supply**.

What are the other Schemes related to the Power Sector?

- [Pradhan Mantri Sahaj Bijli Har Ghar Yojana \(Saubhagya\)](#).
- [Integrated Power Development Scheme \(IPDS\)](#).
- [Deendayal Upadhyaya Gram Jyoti Yojana \(DDUGJY\)](#).
- [GARV \(Grameen Vidyutikaran\) App](#).
- [Ujwal Discom Assurance Yojana \(UDAY\)](#).
- '4 Es' in the Revised Tariff Policy.

[Source: PIB](#)

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