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DAILY CURRENT QUIZ FOR UPSC

22/11/2024

EXPLANATION

Qn. 1

Answer: b) 2 and 3 only

Explanation:

- SECI operates under the **Ministry of New and Renewable Energy (MNRE)**, not the Ministry of Power.
- It plays a significant role in developing renewable energy projects like solar, wind, and hybrid systems.
- SECI was declared a **Schedule 'A' CPSU** in 2020, highlighting its importance in India's renewable energy transition.

Qn.2

- **Answer: a) Only 1 and 2 are correct.**

Explanation:

- Statement 1 is **correct**: FGD systems reduce SO₂ emissions to comply with environmental regulations.
- Statement 2 is correct: Wet FGD systems often produce gypsum, which is useful for the construction industry.
- Statement 3 is **incorrect**: Dry FGD systems require less water compared to wet FGD systems, making them more suitable for water-scarce areas.

Qn. 3

Correct Answer: b

Qn. 4

Answer: (b) 1 and 3 only

Explanation:

- **Statement 1:** Correct. A PPA serves as a contract ensuring that the power producer sells electricity to the buyer at agreed terms.
- **Statement 2:** Incorrect. PPAs are used for both renewable and conventional energy projects.
- **Statement 3:** Correct. The term of a PPA usually ranges between 5 and 25 years, depending on the project type and agreements.