



Xavier's Daily

➔ Challenge yourself

I speak without a mouth and hear without ears. I have no body, but I come alive with wind. What am I?

Answer -
echo



COAL CRISIS

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[Eco Club]

➔ Spectrum's corner

Thought of the Day

Nothing can dim the light which comes from within
- Maya Angelou

Word of the Day

Satori - sudden enlightenment

In Zen Buddhism, satori means "sudden spiritual enlightenment." The Zen sense of satori is a more specific sense of the noun satori "comprehension, understanding," a derivative of the verb satoru "to perceive, comprehend, awaken (spiritually)." Satori entered English in the first half of the 18th century.

India's thermal power plants are facing a severe coal shortage, with coal stocks having come down to an average of four days of fuel across an increasing number of thermal stations.

Reasons:

Eruption in Power Demand: Economy recovering from the Covid-19 pandemic coupled with supply issues have led to the current coal shortage. India is suffering from the impacts of a sharp surge in electricity demand, a squeeze on domestic mine output and surging prices of seaborne coal.

Increased Share of Thermal Power Plants: Coal fired thermal power plants have also supplied a higher proportion of the increase in demand leading the share of thermal power in India's power mix increasing to 66.4% from 61.9% in 2019.

Flooding and Rainfall: Lower than normal stock accumulation by thermal power plants in the April-June period and continuous rainfall in coal bearing areas in August and September which led to lower production and fewer despatches of coal from coal mines.

Lowering Imports: A consistent move to lower imports coupled with high international prices of coal have also led to plants cutting imports. If Industries face electricity shortages, it could delay India's economic reopening. Some businesses might downscale production. Providing India's population and underdeveloped energy infrastructure, the power crisis could hit long and hard.

STEPS THAT CAN BE TAKEN

Ram-up Mining: Government is working to closely monitor stocks and also State run Coal India and NTPC are working to raise output from mines to boost supply.

Supply Controls :-Rationing domestic power supplies, especially in rural and semi-urban areas, may emerge as one of India's easiest solutions. Indian power distributors do typically cut supplies to certain areas on a rotational basis when generation is lower than demand, and an extension of load-shedding would likely be considered if power plants take any further hits.

Increase Imports: India will need to amplify its imports despite the financial cost. From Indonesia for instance, the price rose from USD 60 per ton in march to 200 per ton in September.

Hydro-Power Generation:The same monsoon rains that have flooded coal mines are likely to boost hydro-power generation. Large hydro-electric projects on dams are India's major electricity source after coal and the sector performs at its peak around the rainy season which typically extends from June to October.



DID YOU KNOW?

Recycling one aluminum can saves enough energy to run a TV for three hours.