



## POWER PURCHASE

### » 25-30 GW OF THERMAL POWER MAY BE ADDED SAYS UNION POWER MINISTER

- Union Power Minister, Mr. R.K. Singh made a statement saying that India may add another 25-30 GW of thermal capacity in addition to the existing plan of 50 GW, owing to increasing demand
- He stated that the demand of the Country is growing at a very high pace and necessary capacity addition needs to be made to meet such demand
- The actual demand of the Country has already reached 241 GW which has already surpassed the anticipated demand.
- He also stated that if Renewable energy is made available Round the Clock (RTC) with viable options then such capacity addition may not be required.
- He talked about green hydrogen storage as RTC renewables for future. India will launch a pilot project for producing 100 MW of RTC power using green hydrogen as storage
- India is targeted to become largest producer and exporter of green hydrogen and green ammonia. In case the cost of green hydrogen as storage works out to around Rs. 6 per unit, it would prove to be cheaper than gas and battery energy storage.

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#### POWER PURCHASE



25-30 GW of Thermal power may be added says Union Power Minister.

#### RENEWABLES



Rajasthan Announces incentives for Green Hydrogen Projects

#### Policy and Regulatory



TNERC issues Draft DSM Rules for Solar and Wind Projects



JSERC allows JBVNL to procure power from Floating Solar at 3.50/kWh



## RENEWABLES

### » RAJASTHAN ANNOUNCES INCENTIVES FOR GREEN HYDROGEN PROJECTS

- The Govt. of Rajasthan has approved the 'Rajasthan Green Hydrogen Policy-2023' to promote green hydrogen generation utilizing renewable energy resources.
- Incentives under the policy include a 50% rebate on transmission and distribution charges for ten years for green hydrogen projects with a 500 kilotons per annum capacity.
- Green hydrogen procured from third parties will be exempt from additional and cross-subsidy surcharges for ten years.
- Priority in land allocation will be given to green hydrogen production, and a 30% subsidy up to Rs. 50 million will be offered for establishing green hydrogen research centres.
- There will be freedom to bank-generated electricity and no capacity restrictions on captive power projects.
- The policy grants a 100% waiver on wheeling and transmission charges and reimbursement/waiver of banking charges for 7-10 years.

### H<sub>2</sub> GREEN HYDROGEN GENERATION



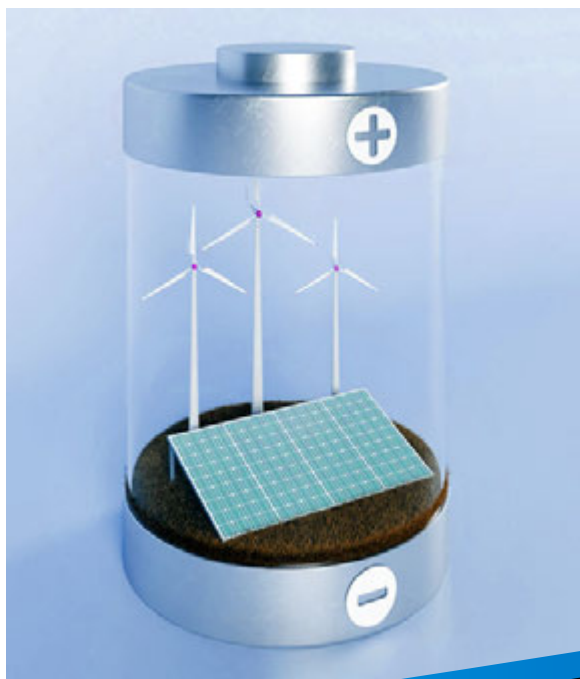
- The green hydrogen sector will be part of the 'Thrust Sector' under the Rajasthan Investment Promotion Program 2022, making it eligible for benefits.
- Rajasthan aims to deploy 90 GW of clean energy by 2030 and is investing ₹400 billion (\$4.8 billion) to produce 5 GW of green hydrogen using solar power and advanced electrolysis techniques.
- An agreement was signed with Jakson Green to develop a phased green hydrogen and green ammonia plant valued at Rs. 2.8 billion, expected to be completed by 2028, as part of these efforts.



## POLICY AND REGULATORY

### » TNERC ISSUES DRAFT DSM RULES FOR SOLAR AND WIND PROJECTS

- » The Tamil Nadu Electricity Regulatory Commission (TNERC) has introduced draft regulations in 2023 for forecasting, scheduling, and deviation settlement for renewable energy projects.
- » These regulations permit up to a 10% deviation for solar power projects and a 15% deviation for wind power projects without incurring penalties.



- » The Regulations are applicable to wind and solar energy generators (excluding rooftop solar projects under 1 MW capacity) in Tamil Nadu, aiming to support grid integration while ensuring stability and security in line with state grid code and the Electricity Act 2003.
- » For the sale and consumption of power generated from wind or solar sources in Tamil Nadu, if the amount of power generated differs from the scheduled generation, the generator will be responsible for paying a deviation charge for the surplus or deficit.



## POLICY AND REGULATORY

- This charge will be deposited into the State Deviation Pool Account (Solar and Wind) through the State Load Despatch Centre (SLDC), as detailed in the provided tables:

### SOLAR

#### Deviation charges for Under and Over-injection of Solar Power

Absolute error in % in 15-minute Time Block	Deviation Charges Payable to State Deviation Pool Account
$\leq 10\%$	NIL
$> 10\%$ but $\leq 20\%$	At ₹ 0.25 (~\$0.003) per unit
$> 20\%$ but $\leq 30\%$	At ₹ 0.25 (~\$0.003) per unit for the shortfall or excess beyond 10% and upto 20% + ₹ 0.50 (~\$0.006) per unit for the balance energy beyond 20% and upto 30%
$> 30\%$	At ₹ 0.25 (~\$0.003) per unit for the shortfall or excess beyond 10% and upto 20% + ₹ 0.50 (~\$0.006) per unit for the shortfall or excess beyond 20% and upto 30% + ₹ 1.25 (~\$0.015) per unit for the balance energy beyond 30%







## POLICY AND REGULATORY

### WIND

#### Deviation charges for Under and Over-injection of Wind Power

Absolute error in % in 15-minute Time Block	Deviation Charges Payable to State Deviation Pool Account
$\leq 15\%$	NIL
$> 15\%$ but $\leq 20\%$	At ₹ 0.25 (~\$0.003) per unit
$> 20\%$ but $\leq 30\%$	At ₹ 0.25 (~\$0.003) per unit for the shortfall or excess beyond 15% and upto 20% + ₹ 0.50 (~\$0.006) per unit for the balance energy beyond 20% and upto 30%
$> 30\%$	At ₹ 0.25 (~\$0.003) per unit for the shortfall or excess beyond 15% and upto 20% + ₹ 0.50 (~\$0.006) per unit for the shortfall or excess beyond 20% and upto 30% + ₹ 1.25 (~\$0.015) per unit for the balance energy beyond 30%





## POLICY AND REGULATORY

### » JSERC ALLOWS JBVNL TO PROCURE POWER FROM FLOATING SOLAR AT 3.50/KWH

- » Jharkhand State Electricity Regulatory Commission has permitted Jharkhand Bijli Vitran Nigam (JBVNL) to acquire 100 MW of power from a floating solar project at Getalsud dam in Ranchi to meet its renewable purchase obligation (RPO).
- » JBVNL and SECI jointly petitioned for approval of the provisional power purchase agreement (PPA) to buy 100 MW of power from this floating solar project.
- » JBVNL struggled to meet its solar RPO targets in previous fiscal years but expects upcoming 700 MW solar projects to aid compliance starting from FY 2022-23.
- » The project will have a 'must-run' designation, exempt from merit order dispatch by JBVNL, and will inject power into Jharkhand Urja Sancharan Nigam (JUSNL) at the interconnection point.

