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Energy

Q Rapid solar power infrastructure development is backbone of India's climate ambitions and energy security. Elaborate.

Ans.

The factors like rise of price of coal in international market, domestic coal shortage all led to power shortage crisis in our country and it again imply that we are depend mainly on coal for power source. It should be kept in our mind, it is high time for us to change to renewable energy for our power demand.

Solar energy - Domestic manufacturing ecosystem

For many solar panel components we are dependent on china to export panel made in our own domestic solar manufacturing ecosystem. Our government impose basic customs duty on china product linked scheme (PLI) allocation for domestic manufacturing of solar power.

steps that needed for the solar energy domestic manufacturing to thrive successfully.

- * Government should create a national strategy so it can make ^{small} targets to achieve big one and Research and Development also to work along strategies of Government.
- * Allocation of more budget along Research by Ministry of Renewable energy and must make use of International solar alliance for creation of a market for its member countries products in International forum.
- * More debt expenditure capital should be increased by manufactures for that ~~banks~~ ^{IREDA} should increase their loan percentage ~~to~~ to solar manufacturing from 4 to 25% in near future.
- * State government should make many manufacturing hubs and make use of technology development in Industries for creation of environment feasible for domestic manufacturing.

Way forward.

Center for Council for Energy and Water (CEEW) believed that the domestic manufacturing of solar energy is can make \$30 billion revenue in future ; Thus it is true Rapid solar power infrastructure development is backbone of indias climate ambition and energy security in the way to achieve net zero by 2070.