

1. Discuss the most significant obstacles which prevent the attainment of India's solar energy goals and suggest measures to overcome it?

Solar energy is the energy that we get from sun and converted into thermal or electrical energy. India's aspiration is to install 450 GW of renewable energy by 2030, in which 280 GW is contributed solely by solar which constitutes 60%. a huge contribution. As it's rightly said it's not enough to set goals, we need to actualize it for which we need to overcome some challenges.

Challenges:

- * India's solar story largely depends on imported products like silicon wafers, wafers etc..
- * Installation of solar power plant requires huge space which again is a biggest challenge.
- * scarcity of engineering procurement and construction.
- * It's easier to get loans for fossil fueled vehicles whereas getting loans for renewable energy is quite challenging.

Measures :-

- * Training must be provided to upskill youth in this industry
ex:- expanding SuryaMitra initiative to provide training with certificates.
- * Must promote research and development in this industry.

- * These subsidies should be given.
- * Strong financial measures must be taken like green boards, Clean energy fund etc.

As India is in tropical region it's advantageous to utilize the incoming solar power and power our country with clean energy which will intern help in meeting our aspirations to install 450 GW renewable energy.