

Rapid Solar power Infra. development is backbone of India's climate ambitions & energy security  
Elaborate.

India is blessed with immense amount of solar energy as it is a tropical. India has also improved its solar generated power production capacity in the last two decades. But still there are factors which hinders the solar power production.

### Climate change & Solar power

As the world has started to take steps to combat climate change, most preferable option for India to meet its energy security is solar power.

India have also pledged in <sup>the</sup> its glassgow summit to meet country's 50% of energy requirement with renewable energy, and to produce 500 GW of non-fossil energy,

⇒ Rajasthan is standing as an example for other states, which has set up solar parks to produce 10 GW of solar power.

⇒ Solar power for house holds is also being incentivized by govt.

## Factors hinders the Solar growth

We are still heavily dependent on china for manufacturing of photo voltaic cell which is a major component in solar production

Initial establishment cost of solar power is very high, so it is not attracting the middle-class house holds.

⇒ Red tapism in connecting the private solar parks to the grid.

⇒ With respect to environment, there is no proper plan (or) guidelines formulated to dispose the used photo voltaic cell.

## Conclusion

As India have initiated the "one sun one grid" initiative ~~in~~ in the global forums to explore the unexplored solar potential, it has got a immense response by the world countries. If the govt. is able to take adequate steps on factors hinders the solar production, India can be a global leader in solar power.