

#### Election Manifesto Punjab State Assembly Elections –2027

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## **Punjab Power Policy Key Highlights**

**\*Issue**: Costly & Irregular Supply of Electricity **\*Effects**: Increase in Major Input cost for industries, farmers cost of farming is high as to do farming alternatively diesel is used in gensets to generate electricity. Water crisis Punjab is facing which is lack of clean water for drinking and underground water level going down & scarcity of water can be addressed if regular and low cost electricity is made available at each village level. Further the problem of high transmission & distribution losses which is around 14-15% currently is also one of the major reason why cost of electricity is high. **Solution:** Alternate & Renewal Energy is the key for future availability of electricity with regular supply and at a cheaper cost. **a)** Setting up of Floating Solar Power plants on canals, water bodies and dams such as Sutlej, Ravi and Beas rivers & Ranjit sagar dam, Damsal dam, Shahpur kandi dam etc would be evaluated. This would lead to an alternative cleaner cheaper power generation capacity for the state.





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Solar plants on water bodies will also eliminate land acquisition and may also minimise water loss due to evaporation **b**) At each village level itself setting up of small solar power producing projects which will be connected to the existing grid rather then setting up of multiple bigger solar plants. This would reduce the cost as well as the loss suffered in transmission & distribution in the current prevailing structure and over a period of time can lead to a reduction of transmission & distribution to approx. 7-8% from current 14-15%. The villagers locally can be trained by technical team and employed for maintenance of it locally leading to better control and additional employment & income generation at local youth level.

c) In water bodies & canals with good current flow hydraulic water turbines can be established which can generate electricity for the farming , water purification for drinking and for the village electrification.

d) The complete Agro based infrastructure which comprises of cold

storage and warehouses can be given a boost if the cost of refrigeration can be drastically brought down by promoting roof top or solar power plants to cater to these belts.



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e) Electricity conversion can be generated by setting up of Purali or Agro Crop waste to energy plants at each village level which will take care of the toxic gasses, problem of crop residue & pollution and would result in cheap cost and regular supply of electricity. f) Big industrial zones, government offices, residential complexes, markets, hospitals, universities, educational institutes, townships, housing societies, commercial complexes etc. to be incentivised for setting up of solar electricity and renewable energy solutions rather than depending on the traditional grid based electricity solutions. g) In order to bring down the of cost of financing for the state electricity corporation (SEC) including generation, transmission & distribution a financial restructuring plan will be introduced.

This will improve the liquidity,

margins for the SEC along with and

additionally cost reduction in current debt burden and an excess to lower cost of capital for future fund needs.

If these measures are taken then bringing down the cost along with regular clean supply of electricity benefiting households, commercial places, warehousing & cold storage, industries etc. can be achieved over a period of time.

Further once the optimised consumption level is achieved then from this additional supply to neighbouring states of electricity can be given and thus an additional income for the date cam be generated.