



## India Plans for Battery Storage Plant

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The Government of India will invest around \$4 billion to set up at least four Tesla-style Gigafactories for battery production.

The initiative is part of Government's plan to transition to electric vehicles, cut down pollution and reduce dependency on foreign oil imports.

### Background

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- In **Union Budget 2019**, the Government announced tax waivers for setting up mega-manufacturing plants for solar photovoltaic cells, lithium storage batteries and solar electric charging infrastructure.
- According to **NITI Aayog**, India will need 6 gigawatt-scale facilities with each having 10 GWh capacity by 2025 and 12 by 2030 to cater the domestic demand.

### How the move will benefit India?

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- It will secure India's energy needs.
- It will enable India to develop an **electric vehicle** ecosystem.
- It will reduce India's import bill on batteries as well as on fuel.
- It will be helpful in containing pollution by promoting clean energy and will help India to achieve its INDC targets.

### Challenges for India

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- Financial viability of project.
- Technological barriers.
- Lack of stable policy for Electric Vehicle.
- Enabling infrastructural issues like land acquisition.

Recently, the Government has also launched the **National Mission on Transformative Mobility and Battery Storage** to drive mobility solutions and **promote clean, connected, shared, sustainable and holistic mobility initiatives.**

**Source: Livemint**