



Fast Charging Stations for Electric Vehicle



Government of Nepal
Investment Board Nepal



Background

The rising adoption of electric vehicles (EV) in Nepal is evident, with EV imports constituting one-third of the market share in terms of value. To further encourage this trend, the government has implemented policies supporting EV adoption, thus prompting the initiation of this project.

This greenfield project is dedicated to establish fast charging stations for electric vehicles in highways service area and densely populated areas. With a minimum land requirement of 0.12 hectare, each charging stations will accommodate the simultaneous charging of six vehicles, including two large buses. Furthermore, each station will include four chargers tailored for both cars and buses.



Sector

Infrastructure



Location

Highways service area and densely populated areas of Nepal



Area

Approx. 0.12 hectare for each charging station

Project Rationale



Facilitation for EV adoption



Promotion of clean energy in transportation for sustainability



Substitution of imported fuel (Petrol and Diesel)

Salient Features



400 Charging Stations across all provinces



Capacity at each station: 4 cars and 2 buses

Project Components



Supply Source



Chargers



Live Meter Display



Billing and Payments System



Rest Rooms



Appropriate civil works



Mini Mart



Cafeteria



Relaxation Room



Advertising Boards

Project Outcomes



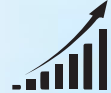
Reduction in gasoline use



Reduced CO2 Emission



Sustainable Transport Development



Economic Growth



Optimal utilization of electricity produced



Reduction in Air and Sound Pollutions

Estimated Project Cost

NPR 12 Billion

\$ 90.23 Million

(1 USD = 132.99 NPR, as of 2023)

Project Implementation Modality



Public Private Partnership (PPP)

Build, Own, Operate and Transfer (BOOT)

Project Implementation Timeline



Project Ideation



Desk Study



Pre-feasibility Study



Feasibility Study



Solicitation



Project Development



Relevant Agencies

- Investment Board Nepal
- Nepal Electricity Authority

About the Agency

The Investment Board Nepal (IBN)

IBN is a high-level government body chaired by the Right Honorable Prime Minister, that serves as a facilitator for both domestic and foreign investments in Nepal. Its primary objective is to create an investment-friendly environment by mobilizing and managing domestic as well as foreign investments to promote investment across different sectors through a transparent and efficient process. Being guided by the Long-term Vision (2043), the 15th Plan, international commitments such as Sustainable Development Goals and other subsequent policies of the Government of Nepal, IBN has been developing credible and bankable projects to garner investment.

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