



# Glass Manufacturing Facility



Government of Nepal  
**Investment Board Nepal**



## Background

Glass production in Nepal is primarily based on small-scale cottage industries and medium-scale factories that produce handmade glass products, such as lamps, bowls, and vases. However, with the growth of the construction and real estate industries, the demand for glass products has skyrocketed.

The project plans to build a state-of-the-art glass factory in Nepal to make glass containers, flat glass among others, using locally available raw materials.



**Sector**  
Industry  
Mines & Minerals



**Location**  
Makwanpur District  
Bagmati Province

## Project Rationale



Establish a local glass factory to substitute imports worth NPR 10 billion annually



A significant demand exists for flat glass used in manufacturing solar panels



Utilization of abundant local resources like silica sand (11.9 million tons) and limestone



More than 80% of raw materials can be extracted within the country



As construction and real estate industries expand, the demand for glass products has surged

## Salient Features



State of the art technology



Locally sourced raw materials for glass production (Silica sand & Limestone)



Energy-efficient technologies with automation and digitization to minimize energy consumption, costs, and efficiency

## Project Components



Raw Material storage and handling area



Finished product storage area



Mixing and melting equipment



Coating machine



Annealing machine



Glass forming machine



Cutting and finishing machine



Waste management facility



Mining equipment



Packaging and shipping

## Project Outcomes



Import substitution



Use of surplus energy of the country (hydropower)



Export potential



Employment opportunities for local communities

## Project Implementation Modality



**Public Private Partnership (PPP)**

## Project Implementation Timeline



Project Ideation



Desk Study



Pre-feasibility Study



Feasibility Study



Solicitation



Project Development

## Relevant Agencies

- Investment Board Nepal
- Ministry of Industry, Commerce and Supply
- Government of Bagmati Province

## 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 15<sup>th</sup> 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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