



Non-Technical Summary (NTS)

Project Title: “New distribution network to enhance access to electricity in Albanian Alps”

Contract Ref. No. EBRD/AITP/W/2024/25

Project Overview

The object of the work of this project will be the construction of the new 35 kV overhead line from N. Station 220kV Koplik (Bogiq) in the direction of the Alpine area in the North, Razem, Boge, Theth, etc.

The project is about the construction of the new 35kV line, which creates the possibility of increasing the transmission capacity of the electricity distribution network and the security of energy supply to the residents and businesses of these deep mountain areas, which in the winter season are in severe weather conditions.

Civil works will also be carried out for two 35/6kV N. Stations in the villages of Dedaj and Boge in Malesis se Madhe in order to increase the safety and quality of the supply of the 6kV distribution network to the tourist areas of Razem, Boge, Theth, etc.

The 35kV line will start from N. Station 220/110/35/20kV Koplik (Bogiq) and will continue towards the Dedaj area until Boge with metal poles with one circuit. It will be roughly oriented along the Koplik - Dedaj - Boge road, finding the best possible route that the contractor will think of, also due to the mountainous terrain, but respecting the conditions and technical standards of the TM overhead power lines.

The project will be "turnkey", so that the contractor offers the best technical solution, after the approval of the implementation project offered by him.

In Dedaj and Boge, civil works will be carried out for the construction of two N. Electric stations according to the respective project.

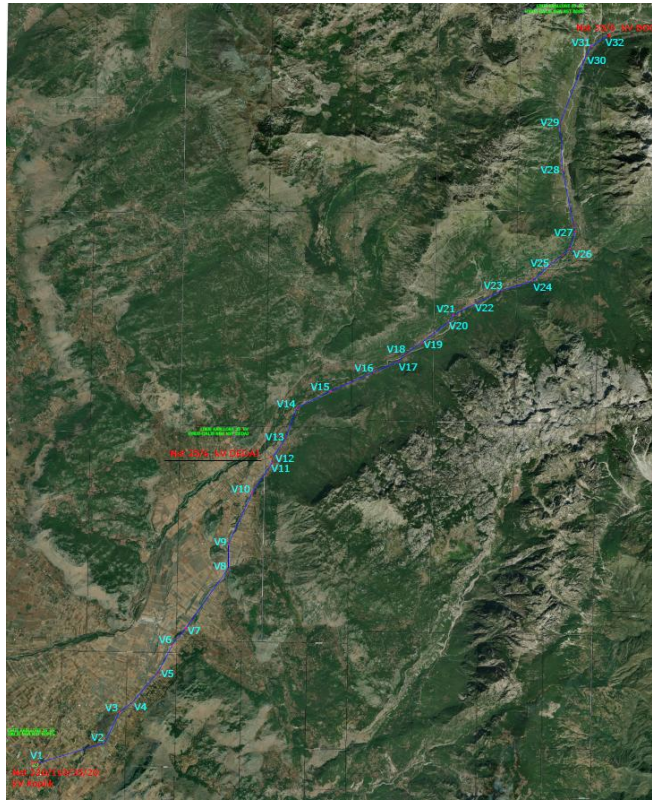


Figure 1: Location Map

Main Project Works

The project focuses on the construction of 35 kV OHL Koplik SS-Boge SS, located in the north part of Albania, and the New 35/6 kV Substation Facilities in Dedaj and Boge village.

35kV OHL, Koplik SS - Dedaj SS - Boge SS

The 35 kV overhead line from the 220 kV Koplik (Bogiq) Substation toward the Alps area in North, Razem until a new substation in Bogë. creates the possibility of increasing the transmission capacity of the electricity distribution network and the security of energy supply to the residents and businesses of these remote mountain areas, which in the winter season are in severe weather conditions.

The 35 kV line will start from the 220/110/35/20 kV Koplik (Bogiq) Substation and will continue towards the Dedaj area up to Bogë with one circuit steel structure towers of approximately 30 km.

It will be roughly oriented along the Koplik - Dedaj - Bogë road, having the best possible route also due to the mountainous terrain, but respecting conditions and technical standards of MV overhead power lines.

Scope of works:

- Earthworks
- Foundations
- Installation and Alignment of stubs
- Installation of Metallic Towers
- Stringing of Conductors and OPGW
- Installation of Accessories

35/6 kV Dedaj and 35/6 kV Boge Substation – Civil works

The 35 kV OHL starting from Koplik Substation continues to 35/6 kV Dedaj Substation as part of the scope. Then the Line continues toward Boge where also a new 35/6 kV Substation shall be constructed. Thus, increasing the safety and quality of 6 kV Distribution network supply to the tourist area of Razem, Boge and Theth. Increasing the security of energy supply to the residents and businesses in the Alpins mountain areas.

The section to be rehabilitated has a length of approximately 215 meters and covers an area of 3,735 m². It begins about 90 meters from the Sphinx and extends to the track. The general condition of this area is amortized, and full rehabilitation is required to restore its usability and appearance.

Scope of Works:

- New completed substation Building, their fence, internal and access roads, drainage etc
- Power transformer foundation
- Installation of Lightning protection system
- Substation fence
- Cables channels in the substation yard.

Project Benefits

The project will provide significant economic, social, and environmental benefits to the northern mountainous region of Albania, including:

- Improved reliability and quality of electricity supply for residents, businesses, and public services in the areas of Dedaj, Bogë, Razëm, Theth, and surrounding communities.
- Increased capacity of the electricity distribution network, reducing voltage fluctuations and supply interruptions.
- Enhanced resilience of the electricity system during severe winter weather conditions, which frequently affect remote mountain areas.
- Support for sustainable tourism development in the Albanian Alps through improved infrastructure and energy security.
- Improved conditions for local businesses, accommodation facilities, restaurants, and other tourism-related services.
- Increased opportunities for economic growth, investment, and employment in the region.
- Reduced technical losses in the electricity distribution system through modernization of network infrastructure.
- Improved public safety through the replacement and upgrading of aging electrical infrastructure.

Environmental and Social Considerations

The project has been assessed in accordance with Albanian environmental legislation and the environmental and social requirements of the European Bank for Reconstruction and Development (EBRD).

An Environmental and Social Impact Assessment (ESIA) process, including environmental and social screening and the preparation of an Environmental and Social Management Plan (ESMP), has been undertaken to identify potential impacts and define appropriate mitigation measures.

The main temporary impacts during construction may include:

- Generation of dust and exhaust emissions from construction activities and vehicles.
- Temporary increases in noise and vibration levels.
- Temporary traffic disruptions along local roads used for transport of materials and equipment.
- Generation of construction waste and excavation materials.
- Temporary disturbance to vegetation and land within the construction corridor.
- Occupational health and safety risks for workers.
- Community health and safety risks associated with construction activities and movement of machinery.

To manage these impacts, the Contractor will implement mitigation measures including:

- Dust suppression through water spraying and good housekeeping practices.
- Limitation of noisy activities to daytime working hours where practical.
- Proper collection, storage, transport, and disposal of construction waste through licensed operators.

- Restoration and reinstatement of disturbed areas following completion of works.
- Traffic management measures and appropriate signage in work areas.
- Implementation of occupational health and safety procedures, including provision of personal protective equipment (PPE).
- Community health and safety measures, including controlled access to construction sites and public awareness measures where necessary.
- Protection of biodiversity and avoidance of unnecessary vegetation clearance.

The project is not expected to generate significant long-term adverse environmental or social impacts. The long-term effects are expected to be predominantly positive through improved energy infrastructure and service reliability.

Land Acquisition and Access

The final alignment of the overhead line and locations of associated facilities have been selected to minimize impacts on private property, agricultural land, forests, and sensitive environmental areas as far as reasonably practicable.

Where temporary or permanent land access is required, it will be managed in accordance with applicable Albanian legislation and EBRD requirements. Any affected landowners or users will be informed and consulted, and compensation will be provided where required by law.

Implementation

The Employer of the project is the Albanian Development Fund (ADF).

The Contractor is JV: "Enbi Power" shpk and "Aci Engineering" shpk.

The Engineer is JV "PACE" Ltd & "ERALD-G" Ltd.

The project is financed under the Albania Infrastructure and Tourism – Enabling Programme with support from the European Bank for Reconstruction and Development (EBRD).

The implementation period is planned until 02 September 2026, in accordance with Variation Order No. 01.