

ELEKTROPRIJENOS BIH
ЕЛЕКТРОПРЕНОС БИХ

**Interconnector 220 kV
Trebinje (BA) – Perućica
(ME)
- upgrade of existing
infrastructure**

April 18, 2024

General and technical data

- Promoters:
 - "Elektroprijenos-Elektroprenos" BiH a.d. Banja Luka
 - Nezavisni operator sistema u BiH – Independent system operator in B&H
 - Joint Stock Company – Montenegrin Transmission System Operator
- Increasing the capacity of existing 220 kV interconnection between Bosnia and Herzegovina and Montenegro.
- Project is not in ENTSO-E TYNDP 2022.
- Project is in National Network Development Plan (NNDP) – draft and Three-Year Investment Plan 2024-2026 of Elektroprenos – Elektroprijenos B&H.
- Also, Project is in Updated Investment Plan of Montenegro transmission system operator for period 2023 - 2025.
- Project is part of bigger project of Increasing the capacity of existing 220 kV interconnection Trebinje (B&H) – Perućica (Montenegro) – Podgorica (Montenegro) - Koplík (Albania).

Geographic position - South-East BA, West ME

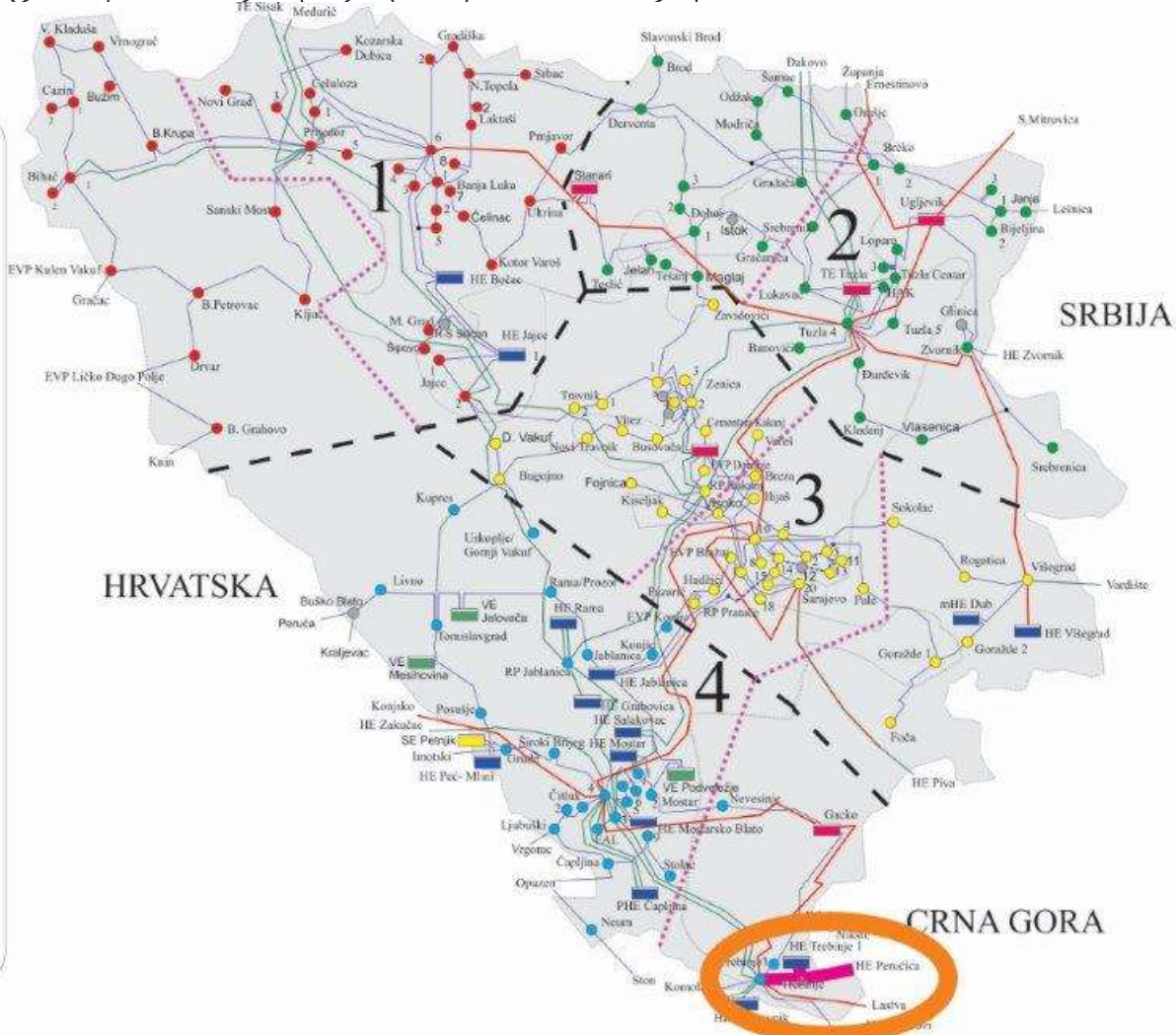


Legend:
Legenda:

- TL (transmission line) 400 kV
DV 400 kV
- TL 400 kV - Under 220 kV voltage
DV 400 kV - Pod naponom 220 kV
- TL 220 kV
DV 220 kV
- TL 110 kV
DV 110 kV
- 110 kV Cable
110 kV Kabl
- TL 110 (MV) kV
DV 110 (SN) kV
- Hydro power plants
Hidroelektrane
- Thermal power plants
Termoelektrane
- Wind Power Plants
Vjetroelektrane
- Solar Power Plants
Solarno elektrane
- Hard connection
Čvrsta veza
- Substation
Tranzformacija

- 1 Operativno područje Banja Luka
- 2 Operativno područje Tuzla
- 3 Operativno područje Sarajevo
- 4 Operativno područje Mostar

- TS VN/x koja nije u vlasništvu Elektroprivredosa
- Granična operativnih područja
- Granična terenskih jedinica



KARTA ELEKTROENERGETSKOG SISTEMA BiH
2023. GODINA

ELECTRIC POWER FACILITIES OF BiH
2023

General and technical data

- Total length 63,2 km. Length in BA is 20,7 km and in ME is 42,5 km.
- The reconstruction, primarily due to insufficient capacity, would have to include the complete replacement of conductors, protective rope, insulation, suspension and connecting equipment. Since it is not possible to install classic conductors of higher capacity on the existing poles, due to their construction characteristics, this implies the replacement of the existing ones and the installation of conductors of a special construction.
- Resolving existing congestions between BA and ME, enabling and supporting integration of a large number of RES in BA (region of East Herzegovina) and ME (southern region), increasing net transfer capacity (NTC) of energy from BA to ME and ME to BA and further development and integration of the market, security of supply, elimination of perceived insecurities in the past period.

Cost and Status data

- Total costs are **14,7 mil. EUR**
 - BA **2,7 mil. EUR**
 - ME **12,0 mil. EUR**
- Realisation is planned during the period 2024 – 2028 (planned year of realisation end for ME is 2027 and for BA is 2028)
- Status of the project: planned pre-feasibility study (ME).