

Black Sea Submarine Cable Project

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The Main Technical Parameters of Black Sea Submarine Cable Project



1. Structure:

- a) 500 kV double circuit OHL SS „Jvari“ - SS „Anaklia“*
- b) 2X500MW converter station in „Anaklia“*
- c) Submarine cable Anaklia - Constanta Sud $\pm 500kV$*
- d) 2X500MW converter station in Romania (Constanta Sud)*

2. Voltage level of cable: *500 kV*

3. Capacity of cable: *1000-1500 MW*

4. Length of the interconnector: *1195 km (OHL - 95 km in Georgia and Romania and submarine cable - 1100 km)*

5. The submarine cable will also be equipped with fiber-optic cable, *which will provide high quality internet connection between Romania and Georgia.*

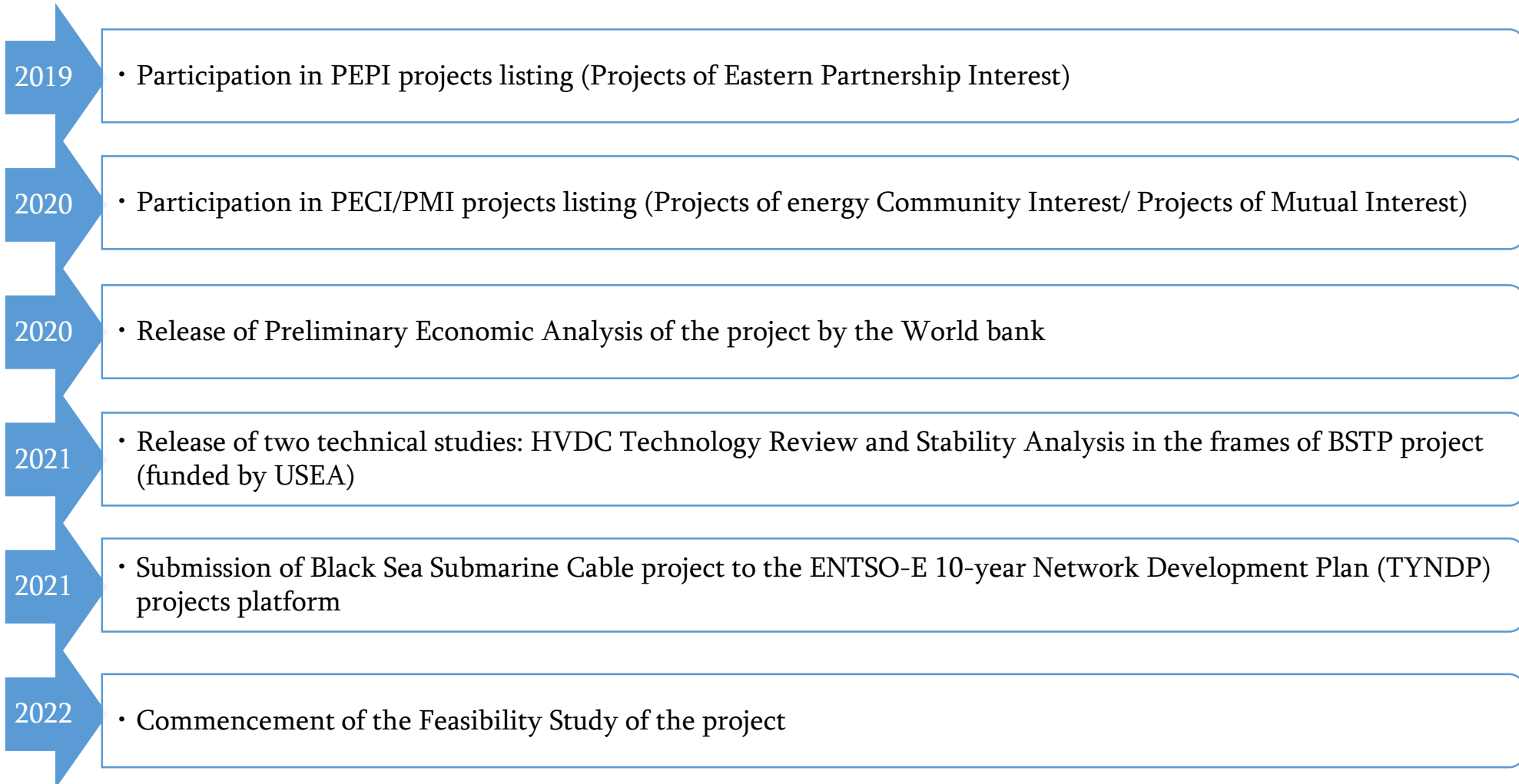
6. Estimated date of commencement of commercial operation of interconnector: *year 2030*

7. Approximate cost of the Project: *Euro 2,3 Bln.*

Geographical Location of Black Sea Submarine Cable Project



Progress



Feasibility Study

- On the given stage the Feasibility Study (FS) of the project is underway and will be completed by the end of 2023.
- The FS is performed by Italian Consultation Company - CESI.
- The FS will define the technical, economic and financial viability of the project as well as set preliminary the route for the submarine cable.

Cooperation with ENTSO-E

- Georgian State Electrosystem JSC submitted the application of the Black Sea Submarine Cable project to the ENTSO-E 10-year Network Development Plan (TYNDP) projects platform on October 15, 2021 for the purpose of including the given project into ENTSO-E 10-year Network Development Plan of 2022.
- As a result, the project application has been selected in the list of projects to be potentially included in the ENTSO-E TYNDP 2022 list
- The approved TYNDP 2022 will be released by ENTSO-E in first quarter of 2023.

Tasks in Feasibility Study



- Task 1 - Estimation of an Optimal Interconnection Capacity → Ongoing, partially completed
- Task 2 - Technical Definition of the Project (including Routing and Environmental & Social study) → Ongoing
- Task 3 - Power System Studies → Started, network models setting-up completed. Waiting for data confirmation from Task 1
- Task 4 - Evaluation of Project Construction Cost and Economic Analysis of the Project → Started with preliminary CAPEX definition
- Task 5 - Evaluation of Financing Options of the Project and Financial Analysis → Not started
- Task 6 - Development of Implementation Plan, Procurement Strategy, and Preparation of Bidding Documents → Not started

- Preliminary seabed profile based on preliminary (indicative) route
 - ❑ length of approx. 1110 km
 - ❑ maximum water depth around 2250m
- Target year of the project (link in operation at 2030)
- Maximum power with two cables up to 1300 or 1500MW (depending on cable insulation technology) as per manufacturers indications
- Fiber optic cable to be separate from power cable

Romania

Georgia

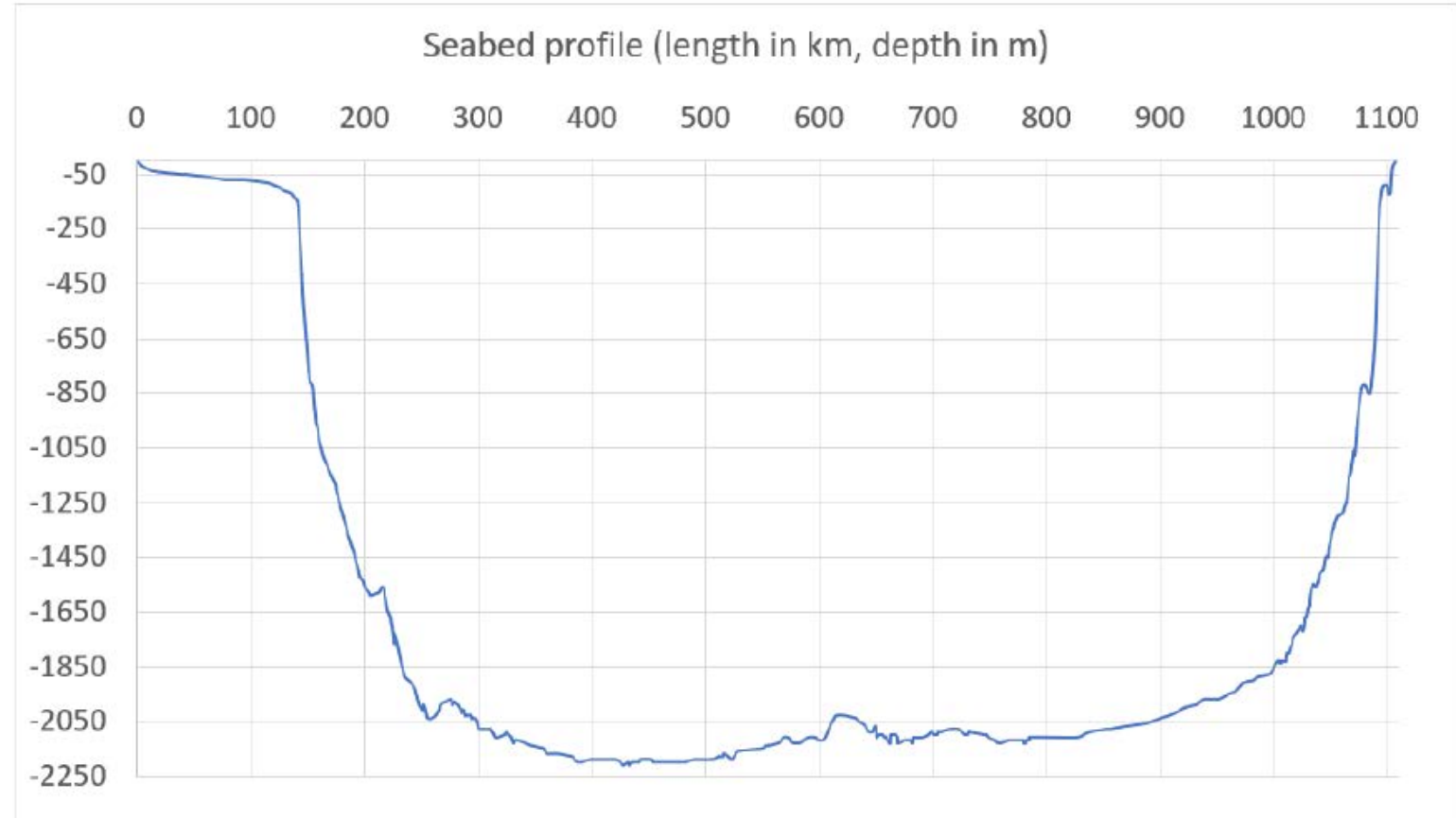


Figure 2 – Preliminary seabed profile of route corridor (KP 0 corresponds to Romania side)

Activities to be performed



2022

Signing tripartite Memorandum of Understanding between Georgia, Romania and the Republic of Azerbaijan

2022

Release of project assessment report by ENTSO-E

2023

Initiation of ESIA

2023-2024

Initiation of underwater geotechnical and geophysical study

THANK YOU FOR YOUR ATTENTION!