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ANNEX F

MAIN CONTENT OF THE FEASIBILITY STUDY FOR INFRASTRUCTURE

PART I ANALYSIS

1. GENERAL INFORMATION

- 1.1 Name of the infrastructure
- 1.2 Owner of the infrastructure
- 1.3 Beneficiaries of the infrastructure
- 1.4 Author of the feasibility study

2. CURRENT SITUATION AND THE NEED FOR EXECUTING THE INFRASTRUCTURE

- 2.1 The context (policies, strategies, legislation, relevant agreements, institutional and financial structures)
- 2.2 Analysis of the current situation and identification of deficiencies
- 2.3 Justification of needs for the infrastructure

3. SCENARIOS PROPOSED FOR EXECUTING THE INFRASTRUCTURE (MINIMUM 2)

Each scenario will comprise the following sections:

3.1 Features of the site/ location:

- a) Site/ location description (land location, surface, dimensions, ownership, special features e.g. protected area, historical monument etc.)
- b) Access to the infrastructure (existing or potential)
- c) Existence of:
 - utility networks requiring relocation / protection, to the extent that can be identified
 - historical monuments / architectural or archaeological sites which may raise specific restrictions;
 - infrastructure belonging to the defense system, public order or national security
 - others, similar
- d) Geophysical characteristics of the land (if the case), as from the geotechnical study developed according to the national regulations, comprising inter alia: seismic zoning, data on the nature of the foundation soil, geological and geotechnical data, risk areas based on official data, hydrologic characteristics stemming from existing studies

3.2 Technical, constructive, functional, architectural, technological description of the infrastructure, comprising:

- technical characteristics and parameters specific to the infrastructure
- solution for executing of the infrastructure, with justifications
- equipping and endowment according to its function
- solutions to ensure the necessary utilities, if the case



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3.3 Estimated costs of the infrastructure

- total costs estimated to execute the infrastructure by taking into account cost of similar infrastructures, or standard costs for infrastructure having similar technical characteristics and parameters
- operating costs estimated for the lifecycle of the infrastructure

3.4 Other studies

As applicable e.g. topographic survey, geotechnical study and/ or analysis of land stability, hydrological study, hydro-geological study, study on possible use of highly-efficient alternative systems to enhance energy performance, traffic study and/or movement study, preliminary archaeological diagnostic report, study on the cultural resources, other specialized studies, according to the specific of the infrastructure

3.5 Duration for execution of the infrastructure (in months)

3.6 Sustainability aspects related to the infrastructure:

- a) social and cultural impact, equal opportunities;
- b) labor force to be employed following execution of the infrastructure;
- c) environmental impact, including impact on biodiversity and protected sites, if the case;
- d) impact on the natural and anthropic environment

3.7 Financial analysis

Showing financial performance indicators: the cumulative flow, net present value, internal rate of return, financial sustainability

3.8 Economic analysis

Showing performance indicators: net present value, internal rate of return, cost-benefit report or, where appropriate, cost-effectiveness analysis

3.9 Risk analysis and measures to prevent/ mitigate risks

4. THE BEST RECOMMENDED SCENARIO

4.1 Technical, economic, financial, sustainability and risks comparison between scenarios/options

4.2 Selection and justification of the best recommended scenario

4.3 Description of the best recommended scenario comprising:

- a) land ownership



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- b) utilities needed for operation of the infrastructure
- c) technical solution describing, as appropriate, technology, construction, technical and functional indicators, economic indicators, main works
- d) installation, testing

4.4 Overview of technical and economic indicators related to the infrastructure

- a) Maximal indicators e.g. total cost of the infrastructure, etc.
- b) Minimal indicators e.g. performance indicators according to standards, technical regulations, etc.
- c) Financial, socio-economic, impact, result/ operating indicators according to the specific of the infrastructure
- d) Expected duration of execution of the infrastructure (in months)

4.5 Compliance with specific regulations related to the expected function

4.6 Agreements, consents, authorizations

Needed to execute/ operate the infrastructure

- a) Related to the land and/ or building including documents stating ownership or other type of rights and registration in public registers
- b) Related to the infrastructure
- c) The building permit
- d) Other agreements, consents, authorizations needed to render the infrastructure as fully functional according to the national legislation in force

5. IMPLEMENTATION OF INFRASTRUCTURE

5.1 Entity responsible for executing the infrastructure

5.2 Implementation strategy

Including: duration of execution (in months), the implementation schedule, and resources required

5.3 Strategy for operating and maintaining the infrastructure (stages, methods, resources required)

6. CONCLUSIONS AND RECOMMENDATIONS



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7. VALIDITY PERIOD FOR THE PRESENT STUDY¹

PART II DESIGNS

Designs will be presented at scales relevant to the characteristics of the infrastructure:

1. PLAN OF THE AREA
2. PLAN OF THE SITE

Showing the limits of and access to the land/ building where the infrastructure is to be executed, utility networks nearby, any protected areas established by the national legislation in the respective land/ building

3. GENERAL PLANS, VOLUMETRIC, FUNCTIONAL SCHEMES, OTHER SPECIFIC PLANS AS APPROPRIATE

Date

Designer*

.....

.....

(name, function and signature of authorized person)

* The feasibility study will provide as an end page, the list with signatures through which the developer assumes the data and the solutions proposed. It will contain at least the following: no ... / date of the contract, name and surname of the person responsible for the project, signatures and stamp.

¹ As provided by the national legislation or, in case such provisions do not exist, validity should not overcome more than 24 months.