**TECHNICAL SPECIFICATION**

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**1.   TERMS AND ABBREVIATIONS**

**1.1.   Client** – AB „Energijos skirstymo operatorius"

**1.2.   Service provider**  – natural entity, private legal entity, public legal entity, other organizations and their subdivisions or a group of such entities, with whom the Client will sign the Purchase agreement.

**1.3.   Purchase agreement** – agreement between the Client and Service provided regarding the Purchase object.

**1.4.   Services** – data analysis, software, consulting and project management services.

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**2.  PURCHASE OBJECT**

Predictive maintenance solution.

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**3.  PURCHSAE OBJECT PARTS**

**3.1.**   I purchase object part - Predictive maintenance solution for overhead lines;
**3.2.**   II purchase object part - Predictive maintenance solution for cable lines;
**3.3.**   III purchase object part - Predictive maintenance solution for transformers.

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**4.  PLACE OF IMPLEMENTATION OF THE CONTRACTUAL OBLIGATIONS (applies to each part of the purchase object)**

Services will be implemented remotely.

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**5. REQUIREMENTS FOR THE PURCHASE OBJECT**

**5.1. Current situation (as-is)**

**5.1.1.** Inspection and maintenance is done regardless the condition and failure risk of the assets. These processes as well affect the planning of assets' replacement and refurbishment. These part are not optimised regarding the OPEX and CAPEX planning.

**5.2.   Procurement object description**

**5.2.1.** Predictive Maintenance pilot project has a goal to evaluate currently in the market available data models and softare solutions that would allow with the use of Client data identify failure risk in overhead lines, cable line and transformers..

**5.2.2.** Technical requirement for each part are provided in details in Technical specification Annex 1.

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**6.  IMPLEMENTATION TERMS AND CONDITIONS OF THE CONTRACTUAL OBLIGATIONS (applies to each part of the purchase object)**

**6.1.**   Data analysis ir data model preparation must be done no later than 3 (three) months after date of entry into force of the contract.

**6.2.**   Testing the software solution, access to the solution provision and business case proposition must be done no later than after 4 months after the first stage (data analysis - Technical specification 6.1).

**6.3.**   In case of reasonable cause the terms specified in the Technical specification 6.1 and 6.2 can be modified as agreed with the Client. Services specified in Technical specification 6.1 and 6.2 must be provided until the final Purchase agreement day.

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**7.  QUALITY REQUIREMENTS (applies to each part of the purchase object)**

**7.1.** Services must comply with the requirement provided in the Purchase agreement and Technical specification, including existing legislation requirements for Service quality, safety, supply and according to existing standards.

**7.2.** In case Services are not provided within the terms provided in Technical specification paragraph 6, in case of Client claim,  Service provider will pay the Client default interest amounting to 0.4 percent of the Service

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price not delivered in due time for each day of delay (but in any case not less than 200 (two hundred) euros per delay period).

**7.3.** The maximum amount of penalties to be paid by the Service provider under this Purchase agreement shall not exceed 20 % of the total price of the Purchase agreement. Upon reaching the aforementioned value, this shall be regarded as a material breach of the Purchase agreement.

## 8. DOCUMENTS PROVIDED DURING THE CONTRACTUAL OBLIGATIONS (applies to each part of the purchase object)

**8.1.** General description of the system with functional specification;

**8.2**. System architectural solution

**8.3.** System requirements for security;

**8.4.** Solution architecture document;

**8.5.** Solution infrastructure architecture document.

**8.6**. Details of the documents are provided in the Technical specification Annex 1, paragraph 7.

## 9. ANNEX

**9.1.** Annex 1 – Technical requimrenet, applied to each part of the purchase object.