

TECHNICAL SPECIFICATION FOR THE PROCUREMENT OF SERVICES

1. TERMS AND ABBREVIATIONS

1.1. Service Recipient - Private Limited Liability Company VILNIAUS VANDENYS.

1.2. Service Provider – the economic operator - a natural person, private or public legal person, other organisation and/or subdivision thereof, including economic operators whose capacities are relied upon, Sub-suppliers, employees and other persons engaged for the provision of the Services on a lawful basis.

1.3. Contract – the contract concluded between a Service Provider and a Service Recipient in relation to the Procurement Object.

1.4. Technical Specification or TS – the document describing the subject of the Procurement Object.

1.5. Acceptance and Handover Deed or Deed - the handover and acceptance deed or another equivalent document, signed by both Parties to the Contract, setting out in detail (specifying quantities, scope, objects and other relevant information) the Services actually provided by the Service Provider to the Service Recipient in accordance with the provisions of the Technical Specification.

1.6. Order – the written document submitted to the Service Provider on the basis of the Contract, by text message, e-mail and/or through an information system specified by the Service User, specifying the quantities, addresses and time limit of the provision of the Services.

2. PROCUREMENT OBJECT NAME AND QUANTITIES / SCOPE

2.1. Study on the extension of the sludge treatment plant (hereafter - the **Services / Study**).

2.2. The Procurement Object shall not be subdivided into lots.

2.3. Quantities / scope: The quantity of Services to be purchased **is specific**.

The quantities of services are shown in Table 1 below:

Seq. No	Name of services	Unit of measure	Specific quantity ¹ for Contract period
1.	Study for the extension of sludge treatment plants	1 unit	Specific quantity

2.4. The Service Provider shall include all potential costs in the rate and/or price of the Services. The proposed fee/price shall include all costs and charges payable by the Service Provider necessary for the proper implementation of the Contract.

2.5. The Service Provider shall assume all risk of circumstances beyond the control of the Service Recipient which increase the Service Provider's costs of performing the Contract and make the performance of the Contract more difficult (increasing the cost of performance for the Service Provider). The price and/or fees for the Services shall not be increased in any case, except in the cases of the price and/or fee review procedure set out in the Conditions of Procurement.

2.6. Where a specific scenario, name or process, a specific production, is indicated in the Technical Specification and/or other Procurement Documents when describing the Procurement Object, the Service Provider may provide an equivalent solution (not limited to the ones indicated, by assessing market analogues, etc.) to the one indicated.

2.7. This Procurement Object shall be subject to the Description of Procedure for the Application of Environmental Criteria in Green Procurement, approved by Order No D1-508 of the Minister of the Environment of the Republic of Lithuania of 28 June 2011 on approval of the Description of Procedure for the Application of Environmental Criteria in Green Procurement (current version) (hereinafter - the Description of Procedure). The environmental criteria are specified in: subparagraph 4.4.3 of the Description of Procedure, which stipulates that “only intangible (intellectual) or other services not related to the creation of a tangible object shall be purchased, or the goods to be purchased shall be: software, software rental, licences, electronic publications or e-books”.

3. REQUIREMENTS FOR THE PROCUREMENT OBJECT

3.1. Description of the Procurement Object

¹ Where a specific quantity of Services is indicated, the Customer undertakes to purchase the full quantity of the Services indicated

3.1.1. Prepare and submit a study on the extension of the sludge treatment plant at the wastewater treatment plant in Titnago Street 74, Vilnius, which will assess the current and prospective capacity of the biological part and answer questions on how to modernise the sludge system in order to ensure efficient operation, and to assess the required maximum capacity in the event of breakdowns or planned stoppages.

3.1.2. The study area covers only the site boundaries of the sewage treatment plant at Titnago g. 74, Vilnius.

3.2. The Service Provider shall have to:

3.2.1. assess the current sludge line technology;

3.2.2. analyse the capacity of the existing equipment;

3.2.3. determine the necessary parameters to characterise the substrates, e.g. dry matter, organic residue, volatile acids, etc.

3.2.4. analyse all relevant daily, seasonal variations, estimating maximum sludge treatment processes;

3.2.5. analyse the potential for improving the mass-energy balance;

3.2.6. conduct a greenhouse gas (GHG) assessment;

3.2.7. analyse and present technological solutions (at least 2 options) on how much, what kind and with what capacity of equipment and facilities are needed to modernise the sludge system;

3.2.8. analyse the possibility of installing a perimeter line around the thermohydrolyser so that the sludge removal process is not interrupted when the thermohydrolyser stops;

3.2.9. calculate and present the prices of the design / construction of the sludge treatment plant, itemised inter alia as follows: design price, construction operations' price, price of equipment and facilities, and analysis of other necessary costs;

3.2.10. conduct a socio-economic assessment, including an assessment of potential risks;

3.2.11. evaluate capital (CAPEX) and operating (OPEX) costs, detailing the return on investment by calculating changes in the cost of electricity, natural gas, biogas, process materials, operating costs, etc.

4. PLACE, TIME LIMITS AND PROCEDURE FOR PROVIDING SERVICES

4.1. **Place of provision of the Services** - the Services shall be provided remotely. If by their nature the Services cannot be provided remotely, they shall be provided at the Service Recipient's registered office address: Vilnius City Sewage Treatment Plant at Titnago g. 74, Vilnius.

4.2. **Time limit(s) of provision of the Services** - 5 months. Payment - 1 month. Contract validity period - 6 months. In case of objective reasons such as lack of data, the time limit for the provision of services may be extended, but by not more than 1 month.

4.3. **Procedure of provision of the Services** - the Service Provider shall start providing the Services from the date of entry into force of the Agreement.

5. QUALITY OF SERVICES AND REMEDYING DEFICIENCIES

5.1. All Services shall be of high quality and shall be provided in accordance with the time limits set out in the Technical Specification and in accordance with the requirements set out in this Technical Specification and the Contract.

5.2. A poor quality result of provision of the Services (where the Service Recipient is provided with any documentation prepared by the Service Provider) shall be deemed to be a non-compliance with the requirements of legal acts and the Technical Specification and/or a result which does not comply with the requirements of the Technical Specification or which fulfils at least one of the following criteria: (1) unclear, disparate structure of the document; (2) incomplete analysis of topics and/or failure to provide recommendations as described in the technical specification; (3) inaccurate information, calculations, use of less than current/relevant practices, or other deficiencies in the document which would reduce for the Service Recipient the value or benefits of the procured Services which the latter could have reasonably expected to derive from the result (scientific, analytical, qualitative and quantitative) of work of the Service Provider.

5.3 Deficiencies in the Services and/or in the result of the Services shall be deemed to be non-conformities with the requirements of the Technical Specification, the Contract and the legal acts governing the provision of such Services.

5.4 Services that are of poor quality and/or do not meet the requirements set out in the Technical Specification shall be remedied not later than within the time limit of 7 (seven) working days from the date of the Service User's written request to remedy the deficiencies.

6. DOCUMENTATION PROVIDED DURING THE PERFORMANCE OF THE CONTRACT

6.1. The Service Provider must provide the Service Recipient with high-quality documents. A document of decent quality shall be a document that contains all the information indicated in the Technical Specification.

6.2. The Service Provider shall be required to submit the study to the Service Recipient by email for approval not later than 2 weeks before the end of the time limit for the fulfilment of obligations.

6.3. The study shall be provided in digital form in both Lithuanian and English language.

7. OBLIGATIONS OF THE SERVICE RECIPIENT AND THE SERVICE PROVIDER

7.1. Obligations of the Service Recipient:

7.1.1. To cooperate with the Service Provider by submitting the necessary information during the fulfilment of Orders and/or performance of the Contract.

7.1.2. To accept from the Service Provider the Services provided by the latter that are of decent quality and meet the requirements set out in legal acts and in the Order and/or the Contract, and pay the Service Provider in due and timely manner and according to the terms and conditions set out in the Contract.

7.2. Obligations of the Service Provider:

7.2.1. To provide the Services in a professional, high quality and timely manner, in accordance with the procedure set out in the Order(s), the Contract, and applicable laws and regulations of the Republic of Lithuania governing the provision of the Services.
