

SCOPE OF WORKS

PoHo 875-01, Installation of frequency drives for of electric motors of pumps DKS-1,2,3,4,5,6

1. General.

[Present general data related to work, brief general description (name) of work to be performed and exact place of execution]

Works will be performed in the Chemical Shop located in the main building of the Power House (PoHo). The capacity of the currently operated pumps DKS-1,2,3,4,5,6 is 30kW.

The project involves the installation of six frequency drives for the motors of pumps DKS-1,2,3,4,5,6 to maintain the required water level in the DKB tanks. Control is achieved by adjusting the current frequency. The project includes the supply of frequency drives and auxiliaries, development of mechanical, electrical and automation parts and installation.

2. Attachments.

[List all annexes related to works containing additional information, indicate ref. number and exact title of each annex. Make sure that all annexes, drawings or diagrams (if applicable) are up to date and present your comments if needed]

- 2.1 Priedas_1_ Technologinė dalis (Attachment 1_Process Part).
- 2.2 Priedas_2_Projektavimo darbų apimtys elektros dalis (Attachment 2_Scope of Design Work for Electrical Part).
- 2.3 Priedas_3_Projektavimo darbų apimtys automatikos ir valdymo dalys (Attachment 3_Scope of Design for Automation and Control Part).
- 2.4 Priedas_4_Instrukcija BM-4 (Attachment 4_Procedure BM-4)
- 2.5 Priedas_5 Bendri reikalavimai rangovams atliekantiems darbus AB "ORLEN Lietuva" (Attachment 5_General Requirements for Contractors performing works at AB ORLEN Lietuva, available at <http://www.orldenlietuva.lt/LT/OurOffer/Forcontractors/Puslapiai/default.aspx>)

3. Description and specifics of work.

3.1. General requirements.

[Provide general summary for the scope of work. Describe general requirements for works. Specify desired outcome/deliverables].

- 3.1.1 The proposal shall cover all works that are described or specified in the drawings, specifications and this Scope of Work. Any minor works not indicated herein but required in order to ensure the work functionality and completeness shall be considered as included into the proposal.
- 3.1.2 The Contractor shall visit the worksite to assess all the works (designing, supply of materials, installation works).
- 3.1.3 The Contractor shall provide all necessary materials, equipment, labor and services, supervision of fabrication, installation works.
- 3.1.4 The Contractor shall perform the works according to the normative and legal acts of the Republic of Lithuania and standards indicated in the design as well as specifications and requirements of AB ORLEN Lietuva.
- 3.1.5 The Contractor shall provide its staff with offices, amenity and sanitary facilities and ensure good housekeeping and handling practices at such facilities and work places.
- 3.1.6 Contractor shall obtain all permits and authorizations for delivery/dispatch of its equipment and work tools in accordance with AB ORLEN Lietuva requirements.

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- 3.1.7 To connect its electrical equipment to AB ORLEN Lietuva power networks, the Contractor shall fulfill all the requirements of the Owner according to the Occupational Safety Program for Contractors BDS-40. All temporary connections required for the Project shall be performed by the Contractor following the procedure BE-16 (Temporary Powering of Electrical Equipment, see Attachment_5).
- 3.1.8 Before starting the works, the Contractor shall develop a waste management plan and coordinate it with the Project Manager, head of the organizational unit wherein the works will be performed, as well as with the Environmental Department. AB ORLEN Lietuva Rules on Waste Management shall be observed.
- 3.1.9 All works shall be performed in conformity with AB ORLEN Lietuva occupational health and safety procedures (see Attachment 5).
- 3.1.10 Works in heating installations of Power Plant shall be carried out under instructions and assignments according to the requirements established in Safety Rules for Operation of Heating Equipment as approved by the 13 September 2016 Order No 1-246 of the Minister of Energy of the Republic of Lithuania. Works in power facilities shall be carried out according to the Safety Rules for Operation of Electric Equipment as approved by the 30 March 2010 Order No 1-100 of the Minister of Energy of the Republic of Lithuania.

3.2. Work description.

[Describe the work in detail. Present all key information related to works, to work site, background, etc. Describe the sequence, if applicable. If you want contractor to do any additional work, specify what works need to be done as well as what and how many workers may be needed for that. Describe requirements for quality of works, equipment, etc.]

- 3.2.1 Select the installation location for the frequency drives and develop the electrical, automation and control designs for pumps DKS-1, 2, 3, 4, 5, and 6 in accordance with the scope of design work.
- 3.2.2 Select and supply the required equipment (frequency drives) and materials, perform installation as well as start-up and commissioning works.
- 3.2.3 Present 'As built' documents for all design parts, by including all changes and corrections, after the completion of installation work.
- 3.2.4 Present the maintenance documentation, certificates of materials and equipment, test and measurement reports.

3.3. Requirements for documentation.

[Specify documents to be presented by Contractor after completion of works or milestone. Specify requirements for documentation or its content, format, standard, provide instructions, specify in detail documents to be submitted, etc.]

- 3.3.1 Technical documentation shall be submitted to Owner according to the Procedure for Acceptance of Electrical Equipment as Fit for Service (Attachment 5).

3.4. Qualification requirements for Contractor.

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[Specify exact qualification requirements to be met by the Contractor. Present requirements and indicate what document or confirmation must be presented by the Contractor or its subcontractors (if any). Indicate what process guarantees, warranties for supply of materials and/or execution of works must be provided by the Contractor, indicate any other important conditions (if any)]

The Contractor shall hold the permits and certificates required by the applicable legislation of the Republic of Lithuania (valid certificate issued by the National Energy Regulatory Council) authorizing designing, operation and installation works: Indicate subcontractors, if any, and the certificates held by such subcontractors.

4. Materials, equipment, and services to be provided by the Owner.

[Specify what materials, equipment, machinery or services will be provided, if any, by the Owner free of charge to the Contractor]

- 4.1 Temporary connection to the power grid in accordance with procedure effective in the Company.
Connection to the compressed air and water supply pipelines.
- 4.2 Scaffolding erection/dismantling.
- 4.3 Programming for DCS.

5. Materials, equipment, and services to be provided by the Contractor.

[List everything to be provided by the Contractor as part of works and to be included in the price]

- 5.1 The Contractor shall furnish all materials, mechanisms and equipment necessary for execution of the works. Any minor works not specified in SOW, drawings or specifications, but necessary to ensure the functionality and completeness of DKS-1,2,3,4,5,6 are deemed included in the proposal price.
- 5.2 As part of its proposal, the Contractor shall present specifications, certificates, descriptions and technical characteristics of the main equipment (frequency drives).
- 5.3 As part of its proposal, the Contractor shall provide a breakdown of work, separately indicating the design work, equipment, materials, installation, and start-up activities.

6. Requirements for work completion.

[Specify when works will be deemed completed]

- 6.1 Completion of the works in full scope.
- 6.2 Presentation of entire reporting (maintenance) documentation.
- 6.3 Cleaning and transfer of the territory.

7. Work shall be considered accepted after:

[Indicate what document as proof of discharge of all obligations must be presented by Contractor and approved by the Owner]

Formalization of the Work Handover and Acceptance Statement.

8. Requirements for work schedule.

[Specify deadlines for completion of works or specific milestones, indicate the schedule of execution of works and any other requirements to work schedule (e.g. its form, content, etc.), if any]

The Contractor shall submit a work schedule together with its proposal.

The scheduled time for works:

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Design works: 2025.06.01- 2025.12.01.

Installation–commissioning works: 2026.01.01- 2026.12.31.

Equipment connection and commissioning shall be performed one by one according to a separately agreed schedule.

9. Other:

Prepared by:

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