

SCOPE OF WORK

Installation air conditioners in TPP-63

1. General.

[Provide general description, purpose and place of works]

Installation of air conditioners in TPP-63 substation of AB ORLEN Lietuva, Mažeikių str. 75, Juodeikiai Village, LT-89467 Mažeikiai Distr.

2. Attachments.

[List all related additional material (reference number and exact title of document). If any pictures, drawings or diagrams are provided to describe/illustrate the requirements, make sure that they are consistent with the requirements indicated in SOW].

Attachment No 1. List of air conditioners

Attachment No 2. Scope of documentation for equipment installation

Attachment No 3. Report form

3. Description and specifics of work.

3.1. Work description.

*[Provide a detailed description and explanation of each task to be performed. Specify the main steps and actions to be executed by the Contractor. Specify the preliminary sequence of works. When planning the scope of work, **it is necessary to evaluate the results of inspections performed for the facility/equipment, to take into account the data of continuous inspections and previously recorded incidents (if any)**]*

1. Contractor plans to install 7 pcs. of air conditioners in TPP-63 electrical substation of KT-1/1. 2 units on the first floor of the substation and 5 units on the second floor of the substation. All air conditioners shall be duct-type (without air ducts), in accordance with the list provided in Attachment No 1. The sequence of installation works shall be agreed prior to and during the works. Air conditioners shall use R-32 refrigerant, and the cooling capacity of each conditioner shall be approximately 20 kW.
2. Air conditioners and condensate drain pipes in electrical rooms shall not be installed above electrical cabinets, panels, etc.
3. Installation locations of the equipment shall be agreed with the Owner during Site inspection.
4. Outside units of the ACs on the first floor shall be installed so that maintenance and repair can be performed from ground level without the use of additional climbing equipment.
5. Outside units of the ACs on the second floor shall be installed on the roof (preliminarily where cable routes and power cables for the ACs are already installed). Arrangements for outside unit installation on the roof shall be discussed during the Site inspection.

SCOPE OF WORK

Installation air conditioners in TPP-63

6. The Owner shall install the cable routes and power cables from distribution panel TPP-63 JS-2 to the outside units installed on the roof (5 pcs).
7. The Contractor shall install the cable routes and power cables from distribution panel TPP-63 JS-2 to the outside units installed on the first floor (2 pcs).
8. The Contractor shall install cable routes, indoor AC unit power cables (7 pcs) and communication cables between units. Each AC shall be equipped with a wired control panel. The Contractor shall install control panels, cable routes from indoor units to control panels, and connections (control panels shall be installed near the indoor unit).
9. The Owner shall perform the connection of the AC power cables at distribution panel TPP-63 JS-2, while the Contractor shall perform connection to the indoor and outdoor units.
10. Where it is necessary to provide separate power for the indoor AC units from the Owner's distribution panels, the Contractor shall install the cable routes and power cables, while the Owner shall carry out the connections at the distribution panel.

3.2. Special requirements (if applicable).

[Indicate specific requirements which might impact performance of works, price, results. (E.g. recommend to visit the site at specified time, etc.)]

1. The Contractor shall provide a warranty of at least 12 (twelve) months for the performed installation works and for the supplied equipment.
2. Before submitting a proposal, the Contractor shall arrive to the Site to evaluate the scope of works.
3. The Works shall be performed only in accordance with electrical work permits. The Contractor shall hold certificates issued by the National Energy Regulatory Council (NERC) authorizing a legal entity to operate electrical installations up to 1000 V, while the Contractor's staff shall hold valid energy worker qualification certificates in the activity area of Operation of Electrical Installations. If the Contractor does not hold the required certificates, the Contractor shall appoint a qualified supervisor.
4. The Works shall be performed only in accordance with applicable maintenance work and hot work procedures of AB ORLEN Lietuva.
5. The Contractor shall have a qualified lifting work supervisor and a hoister certified to work with lifting equipment (either may be provided by a Subcontractor).
6. In the event that the Contractor requests partial payments, the Contractor shall clearly define the corresponding milestones in the payment schedule submitted as part of the tender documentation.
7. Proposal costs shall be presented for Works, Materials and Equipment.

SCOPE OF WORK

Installation air conditioners in TPP-63

3.3. Requirements for work execution and documentation.

[Specify the documentation to be provided by Contractor for work execution. If this is some data, indicate and describe the exact data needed and the standards to comply with. In case Contractor has to fill in some documentation, specify the desired format and contents, or refer to the requirements for the document preparation.]

1. In addition to the proposal, the CONTRACTOR shall submit certificates of the company and of the personnel authorizing them to install or decommission equipment containing ODS (ozone depleting substances) or F gases (fluorinated greenhouse gases).
2. The Contractor's commercial proposal shall include breakdown of the price for each position of Attachment No 1 separately.

3.4. Qualification requirements for the Contractor.

[Specify exact qualification requirements to be met by the Contractor. Describe requirements for works execution, design, reliability, staff, etc.]

1. The CONTRACTOR shall be experienced in installing electrical and air-conditioning equipment containing ODS and F-gases and shall be certified to carry out such work.
2. The Contractor shall hold certificates issued by NERC and other documents for carrying out work on electrical equipment.

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

[If certain materials and equipment provided by Owner will be used by Contractor for specific tasks, indicate what exactly will be provided and when]

1. The Owner shall provide scaffolding.
2. The Owner shall provide a crane for lifting the outdoor AC units on the roof.
3. The Owner shall install the cable routes and power cables from distribution panel TPP-63 JS-2 to the outside units installed on the roof (5 pcs).
4. The Owner shall reserve automatic circuit breakers No. 4, 6, 7, 8, 9, 10, and 11 in distribution panel TPP-63 JS-2 for power supply of the AC outdoor units.

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

[List the items to be provided by Contractor as a part of works, and to be included in the price.]

1. The Contractor shall supply the air-conditioning units, R32 refrigerant (where additional refilling is required), and all materials necessary for installation, electrical cable tags and equipment identification materials (each air-conditioning unit shall be provided with its own code and tag number).
2. The Contractor shall have all equipment for start-up of the AC units.

SCOPE OF WORK

Installation air conditioners in TPP-63

6. Requirements for work completion.

[Specify the key milestones, deadlines, or review points during the performance of the services at which the Owner will evaluate the completed work and approve, accept, or reject it]

1. Upon completion of the installation works, the Contractor shall perform functional testing of the installed equipment (cooling, heating, condensate drainage) in the presence of the Owner.
2. The Contractor shall label the equipment in accordance with the applicable regulatory requirements.

7. Requirements for work acceptance.

[Describe criteria according to which completed work will deemed compliant with requirements and accepted.]

1. Successful functional testing of the AC equipment has been completed, and the equipment installation report in Attachment No 3 has been submitted in accordance with the scopes specified in Attachment No 2.
2. The following are submitted: declarations of conformity for AC units, operating and maintenance requirements, operating and maintenance requirements for control panels, spare parts lists, error and fault codes as well as methods of their elimination.

8. Requirements for work schedule.

[Indicate preliminary work execution period. If period is indicated from the contract signature, such shall be given in calendar days, weeks or months.]

Installation of the AC units shall be completed by September 2027. Due to to the Owner's Refinery Turnaround in May 2027, no work may be carried out inside the substation during that period. The Owner will not be able to provide scaffolding erection services between April and June 2027.

Prepared by:

Agreed with: