

PARTICULAR CONDITIONS
ANNEX NO. 1

**Engineering, Procurement & Construction
Contract**

**Public Company ORLEN Lietuva
LPG flare system renovation**

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FOR BIDD

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INVENTORY & ASSET MANAGEMENT

In accordance with Article 8.3 of the General Conditions, the CONTRACTOR shall, not later than 90 (ninety) days prior to the MECHANICAL COMPLETION, provide an itemised breakdown of the CONTRACT PRICE in the format shown below. This itemised breakdown is for the OWNER'S inventory and asset management system only.

1.0 Construction

1.1 Every building (roofed construction) is formed as a separate unit of long-term asset including following engineering systems: water-supply, sewage disposal, heating, ventilation, air-conditioning, gas, electricity, remote control (telecommunications), fire protection, detection, alarm and suppression systems, waste disposal, lifts for carrying people and other systems as well as their regulation, control, automation and alarm arrangements.

Technological equipment and support hardware and software in production buildings (compressor house, pump house, transformer station, etc.) are formed as separate units of long-term asset.

1.2. Building structures (foundations, supports) are considered as a separate unit of asset within the cost center limits.

1.3. Access roads and sites are considered as a separate unit of asset within the area including sidewalks, bridges, fortified water passages with their stairs, overpasses, etc.

1.4. Over ground supports for technological pipeline between shops (poles-pillars, columns, beams, concrete floor) which are located at the internal numbered roads of the company are considered as separate units of asset.

1.5. Company's perimeter fence with gates and entrance control posts, excluding central entrance control and guard posts, form a separate unit of asset.

All other fencing within the Company's territory, which isolates individual Company's facilities, is considered as separate units of asset.

1.6. Every internal numbered road of the Company is a separate unit of asset.

Every access road to the Company's territory is a separate unit of asset.

Every railway section is a separate unit of asset:

- LPG section,
- production and feedstock section,
- bitumen and equipment, Maintenance - Mechanical Shop and Chemicals Storage section.

1.7. Other engineering constructions which are functionally independent and complete are considered as separate units of asset: stack, bridge, dike, reservoir: of metal or ferroconcrete, cooling tower, railway and truck racks, metal towers and etc.

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2.0 Mechanical

2.1. Every facility in the refinery such as a tower, pump, compressor, heat exchanger, reactor and other, including refractory, insulation, interior fittings and electric engine, is a separate unit of asset.

Instrumentation (metering instruments) and electrical equipment (connection wires and alike) are not considered as component parts of a facility.

2.2. All surface pipeline, including its parts, insulation, steam and electric heating, is considered as a single unit of asset within appropriate cost center limits.

2.3. All surface technological pipeline, including its parts, insulation, steam and electric heating, located at the internal numbered roads of the Company is a separate unit of asset.

2.4. Every underground pipeline of different type (V1, V2, V7, K1, K2, K3, V19 and etc.), including its parts, insulation, wells, fire-extinguishing boxes and alike, is a separate unit of asset.

2.5. Every trunk pipeline is a separate unit of asset.

3.0 Electrical

3.1. Electrical installation located inside an electrical substation or other electrical installation room, except uninterruptable power sources (UPS) and constant power (DC) systems) is a single unit of asset.

Inlet lines (cable air and other) and 6(10)/0,4kV power transformers of an electrical substation are an integral part of substation electrical equipment.

3.2. All cable lines between electrical substations of the Company (CTP-110/6 „Anapolė“, Mažeikiai PH, TP-110/6 and PP-1, PP-2, PP-3 and etc.) is a single unit of asset, except for those specified in Construction Part thereof.

3.3. Electrical installation within cost center limits (cable lines, management, control and security installations, grounding, lighting and etc.) is a single unit of asset.

Electrical part of the building (cable lines, lighting, grounding, surge protection and alike) is attributed to the building.

3.4. 110kV and higher voltage electric equipment is a separate units of asset.

Every air and cable line is as a separate unit of asset.

Construction part of cable and air lines (supports, foundations) is a separate unit of asset. Every distribution board is a separate unit of asset.

Every power transformer is a separate unit of asset.

3.5. Every back-up power source (UPS, DC systems (with batteries)) is a separate unit of asset.

3.6. Every automated management, metering, alarm, accounting and etc. system of Electrical Section is a separate unit of asset.

3.7. Lighting of Company's internal roads is a separate unit of asset, including outdoor lighting of administration building area.

Outdoor lighting of any other external area (Šventoji and etc.) is a separate unit of asset.

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4.0 Instrumentation

4.1. Control metering instrumentation and automation within cost center limits is a single unit of asset, except for:

- relatively expensive stationary analyzers, chromatographers and other similar instruments,
- automated management and control systems of technological process (PLC, DCS type),
- automated autonomy accounting systems (automated scales, crude oil metering systems/stations and etc.).

4.2. Control metering instrumentation and automation, their cables and lines within cost center limits are a single unit of asset.

4.3. Every relatively expensive stationary analyzer, chromatographer and other similar equipment is a separate unit of asset.

4.4. Every automated management and control system of technological process (PLC, DCS type) is a separate unit of asset.

4.5. Every automated autonomy accounting system (automated scales, crude oil metering system/station and etc.) is a separate unit of asset.

5.0 Information Technology

5.1. All communication lines between Company's divisions are a single unit of asset. Communication lines between Company's divisions are the lines located within Company's territory to the distribution box of the building. Communication lines from the distribution box of the building are considered as a part of the building.

5.2. All computer lines between Company's divisions are a single unit of asset. Computer lines between Company's divisions are the lines located within the Company's territory to the distribution box of the building. Computer lines from the distribution box of the building are considered as a part of the building.

5.3. Every external (outside the Company) communication/computer line is a separate unit of asset.

5.4. Every single part of communication/computer equipment satisfying the long-term asset criteria is a separate unit of asset.

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| Item No. | Portion of Work | Value € | Cost Centre | Inventory No. |
|----------|---------------------------------------------------------------------------------|---------|-------------|---------------|
| 1 | Management, Administration and Procurement Services | | | |
| 2 | Engineering, including permitting, detailed design, authority supervision, etc. | | | |
| 3 | Technical Documentation | | | |
| 4 | Construction Management | | | |
| | Mechanical equipment: | | | |
| | Reactors | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Columns | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Vessels & Drums | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Heaters | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Heat Exchangers | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Air coolers | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |

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| Item No. | Portion of Work | Value € | Cost Centre | Inventory No. |
|----------|--------------------------------|---------|-------------|---------------|
| | <i>Specify</i> | | | |
| | Rotating machines | | | |
| | Pumps | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Compressors | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Packaged Units | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | Miscellaneous equipment | | | |
| | <i>Specify</i> | | | |
| | Electrical Equipment | | | |
| | Substation | | | |
| | MCC | | | |
| | UPS | | | |
| | DC System, including batteries | | | |
| | Cabling between Substations | | | |
| | 110kV Equipment | | | |
| | Power Transformers | | | |
| | Road Lighting | | | |
| | External Lighting | | | |
| | <i>Other (Specify)</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |

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|----------|------------------------------------------------------|---------|-------------|---------------|
| | <i>Instrumentation</i> | | | |
| | Control & metering instrumentation | | | |
| | DCS | | | |
| | ESD | | | |
| | PLC | | | |
| | <i>Specify</i> | | | |
| | <i>Specify</i> | | | |
| | <i>Bulk Materials</i> | | | |
| | Piping | | | |
| | Electrical | | | |
| | Steel & Structures | | | |
| | <i>Specify</i> | | | |
| | <i>Construction</i> | | | |
| | Civil Works | | | |
| | Buildings, including HVAC, fire protection, etc. | | | |
| | Steel Structures | | | |
| | Underground piping systems | | | |
| | Foundations | | | |
| | Access roads | | | |
| | Fencing, gates and control posts | | | |
| | Stack | | | |
| | Cooling Tower | | | |
| | Equipment Erection, inc. painting & insulation | | | |
| | Piping Installation, including painting & insulation | | | |
| | Electrical Installation, including cabling | | | |
| | Instrument Installation, including cabling | | | |
| | Fireproofing | | | |
| | Testing & Commissioning | | | |
| | Operating Manual | | | |

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| Item No. | Portion of Work | Value € | Cost Centre | Inventory No. |
|----------|------------------------|---------|-------------|---------------|
| | Operator Training | | | |
| | <i>Other (Specify)</i> | | | |
| | <i>Other (Specify)</i> | | | |

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