

# **SCOPE OF WORK**

## ***SD2026-03 OS-1 LK-1 S-200/RF MECHANICAL WORKS according to Work Package M5-LK-1-RF***

### **1. General.**

OS-1 LK-1 RF will be shut down for maintenance in March 2026. During the shutdown, it will be required to complete all works included in the list provided as attachment M5-LK-1-RF\_Job list.pdf hereto. Mechanical Contractor shall blind off the Unit, equipment and piping according to the provided diagrams. Contractor shall perform dismantling works, prepare for maintenance and perform maintenance works according to the provided punch lists, diagrams and inspection plans, also reassemble the equipment and remove blinds after repairs and hydrotesting. Contractor shall remove / reinstall valves, PSVs and instrumentation for revision and maintenance.

### **2. Attachments.**

- M5-LK-1-RF\_Job list.pdf
- M5-LK-1-RF\_Attachments.zip
- SD2026 Attachments No.1\_Unit-Hourly rates.xlsx
- SD2026\_M5-LK-1-RF\_Mechanical works contractors\_mhrs\_EUR.xlsx

### **3. Description and specifics of work.**

#### **3.1. General requirements.**

- 3.1.1. During the shutdown of OS-1 LK-1 RF, all works included in M5-LK-1-RF\_Job list.pdf attached hereto must be completed.
- 3.1.2. All vessels and piping indicated in the list shall be blinded off, disassembled, repaired on the basis of punch lists, handed over for inspection, and repaired after inspection, if needed.
- 3.1.3. Contractor shall perform all mechanical dismantling / installation works indicated in the punch lists and diagrams.
- 3.1.4. Contractor shall remove -/- reinstall valves, PSVs and instrumentation for revision and maintenance.

#### **3.2. Work description.**

- 3.2.1. All works shall be performed based on the Job List. Detailed scopes of work for each vessel and piping are provided in vessel & piping blinding diagrams, repair diagrams.

#### **3.3. Special requirements (if any).**

- 3.3.1. Requirements to Contractor are provided in the descriptions of qualification and technical indicators.
- 3.3.2. Contractor shall exercise the coordination of materials. The Contractor Material Coordinator will be required to collect the materials from the warehouse of ORLEN Lietuva (hereinafter referred to as "OL" and/or "Owner") no later than 1 day prior to the start of the repair.
- 3.3.3. Owner will perform transportation of materials inside the Company's territory. Coordination of materials shall be in line with OL Rules for Coordination of Materials.
- 3.3.4. Certain preparatory works and mobilization are required for the Shutdown. In its proposal, Contractor shall take into account and undertake to perform the works according to the schedule provided by the Owner and develop a schedule for its own works with the indication of labor resources, number of crews as requested under the technical criteria, as well as understand and take into consideration that other works related to the repaired equipment will be performed at the same time.
- 3.3.5. As for post-inspection repairs, Contractor shall be responsible for developing the required minimum of repair documentation as per OL procedures BM-4 and BM-2. Contractor shall be

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responsible for organizing the required non-destructive testing/handing over to inspector. Final documentation shall be provided within one month after the completion of works. The requirements for repair documentation are set forth in Procedures BM-4 and BM-2.

- 3.3.6. OL requirement – at least 1 work manager for 15 workers under direct supervision.
- 3.3.7. Mobilization costs must be included in the price of works.
- 3.3.8. Office and tools containers (including mobilization / demobilization) shall be included into the price of works. OL will provide a place for such containers and the possibility to connect to its power, water and sewage networks. Toilets will be provided by OL both within the area of office containers and at process facilities.
- 3.3.9. Contractor shall have its certified electrician for connection/disconnection of its own power equipment.

### **3.4. Requirements for work execution and documentation.**

- 3.4.1. Repair technology shall be developed for all maintenance works that require welding according to OL requirements, agreed with OL responsible specialists.
- 3.4.2. CONTRACTOR shall develop repair documentation for all completed repair works according to OL requirements. Agreed and approved documentation shall be submitted to OL.
- 3.4.3. All disassembled and assembled flanged connections shall have an attached information plate (tag) indicating the name of the Contractor having performed the works, gasket type, ID of metalworker (from the submitted list of metalworkers) having assembled the flange, and the date.

### **3.5. Qualification requirements for Contractor.**

	<b>Qualification criteria</b>	<b>YES/NO (if marked YES, necessary supporting documentation must be attached; otherwise, the proposal will be withdrawn from further evaluation)</b>
1	Valid certificate issued by the State Energy Regulatory Council of the Republic of Lithuania (VERT) authorizing maintenance/operation of crude processing facilities: maintenance of crude processing units (irrespective of their operating parameters); maintenance of tanks and their appurtenance (irrespective of volume) designed for storage of crude oil and/or petroleum products (except LPG) and other liquid fuels.	YES/NO
2	List of subcontractors (if any). Where subcontractors are indicated, their valid (VERT) certificates for respective works shall be presented. If you indicate that subcontractors will be present but do not name them and/or do not provide valid VERT certificates, the tender will be rejected or, if necessary, further clarification will be required. The subcontractor's scope shall not exceed 30 % of the scope of the main contractor. If the subcontractor's scope exceeds 30 %, the tender will not be evaluated. The list of subcontractors must indicate which works will be carried out by the subcontractors listed and what % of the total works will be carried out by each subcontractor. The list of subcontractors must be approved by the Employer. In the event that the Employer does not accept the proposed subcontractor, the Contractor must propose an alternative subcontractor. Please submit the list of subcontractors to be used for coordination via the	YES/NO

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	QUESTIONS/ANSWERSHIP. The coordination of subcontractors is mandatory during the preparation of the tender. Please attach the final agreed list of subcontractors at the time of submission of the proposal.	
3	List of welding procedure qualification records (WPQR as per LST, EN, ISO 15614-1). For works provided for in the package, it is required to have WPQR for respective steel groups as per ISO/TR 15608 (possible groups 1, 5,7,8), welding processes 141, 111, diameters (possible diameters D<25 mm, D>25 mm), and possible wall thickness (from 3 to 24 mm) of welded elements.	YES/NO
5	List of the company's welders and their qualification certificates according to ISO 9606-1 for welding methods 141 and 111, for welding materials as per the provided Work Packages. Before submitting its proposal, the Contractor shall take into account the requirement that piping welders must have qualification certificates for butt welding (BW) and fillet welding (FW).	YES/NO
6	Provide certificates of company employee(-s) with European Welding Engineer or European Welding Technologist (IWE, EWE or IWT, EWT) qualification. By submitting a proposal, the Contractor undertakes to have at least one certified engineer at the work site where welding (as per the Work Package) is to be performed.	YES/NO
7	Contractor shall attach a signed Job List. This will serve as a confirmation that all works have been included in the proposal. Note: in the absence of such signed lists, the proposal will be withdrawn from further evaluation.	YES/NO
8	Contractor shall attach a completed price table for each work package containing only man-hours WITHOUT PRICES. In the absence of such information, the proposal will be withdrawn from further evaluation. OL will compare the hours submitted by the Contractor with the hours calculated by OL and, if the number of man-hours indicated by the Contractor is by 30% less than that estimated by OL, OL will treat such as lack of understanding of the scope of works by the Contractor and withdraw the proposal from further evaluation.	YES/NO
9	Provide evidence of experience (within the last 3 years) in replacing and repairing apparatus and piping in accordance with the scopes of work provided. This list must be signed by the end-users (customers) for whom you have carried out the work, indicating the name of the customer, the scope of the work, the year of the work, the value of the contracts, the positive evaluation of the quality of the work carried out, and the contact person(s) indicated for communication. The acknowledgement may be in the form of a statement, a completion/acceptance certificate or other equivalent document. In the case of works carried out for the ORLEN Group, the list may include the contract number, the object of the works, the percentage of works carried out by subcontractors. Failure to provide evidence of experience acceptable to the Customer will result in rejection of the tender and will not lead to further evaluation.	YES/NO
10	Provide planned labor resources for the performance of all works.	YES/NO
11	Submit a signed schedule of works, prepared by the contractor, indicating the deadlines for the preparation of the works and the timetable for completion of the works. The schedule of works to be carried out during the stoppage shall not be longer than the schedule submitted by the OL.	YES/NO
12	Number of work managers. OL requirement – at least 1 work manager for 15 workers. In the absence of such information, the proposal will be withdrawn from further evaluation.	YES/NO

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13	Provide unit rates for dismantling/installation of valves in accordance with "SD2026 Attachments No.1_Unit-Hourly rates.xlsx"	YES/NO
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	Technical criteria evaluated in points:	YES/NO (if marked YES, necessary supporting documentation must be attached, otherwise 0 points will be given)
1	EN ISO 9001:2015 (LST EN ISO 9001:2015) certificate, 5 points. In case absent – 0 points.	
2	EN ISO 14001:2015 (LST EN ISO 14001:2015) certificate, 5 points. In case absent – 0 points.	
3	Number of employees with employment contracts and rigger qualification.	
4	Number of employees with employment contracts and crane operation manager (supervisor) certificates.	
5	Number of employees with employment contracts and pressure vessel maintenance foreman certificates.	
6	Contractor employees holding employment contracts and process piping (for hazardous fluids) maintenance foreman certificates.	
7	Number of employees with employment contracts and steam & hot water piping maintenance foreman certificates.	
8	List of owned/rented hydraulic and/or pneumatic adjustable torque (minimum 7000 [N-m]) wrenches (with technical characteristics and quantities) suitable for the intended works.	
9	List of owned/rented hydraulic expanders (with technical characteristics and quantities) suitable for the intended works.	
10	List of owned/rented hydraulic nut cutters (with technical characteristics and quantities) suitable for the intended works.	

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

- 4.1. All materials required for the works (pipes, steel sheets, valves, gaskets, blinds, studs, lubricants, rust removers, etc.) – by **OWNER**;
- 4.2. Cranes and forklifts – by **OWNER**;
- 4.3. Scaffolding and insulation – **by another contractor of the OWNER**;
- 4.4. Non-destructive testing – **by another contractor of the OWNER**;
- 4.5. Flushing/washing (excluding AO-203/1-6) – **by another contractor of the OWNER**;

#### **5. Materials, equipment, and services to be provided by the CONTRACTOR.**

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- 5.1. All equipment required for repair works - by **Contractor**;
- 5.2. **Contractor** shall supply welding consumables and gas, insulation wool, tools, personal protective equipment, slings, hydraulic equipment and pressure gauges.
- 5.3. **Contractor shall perform AO-203/1-6 pipe bundle washing works using firefighting water.**

### **6. Requirements for work completion.**

- 6.1. Repair documentation must be developed for all repair works and submitted to OL;
- 6.2. Before closing all vessels, a permit for closing must be obtained from OL specialists;
- 6.3. All consumed materials shall be written off after repairs according to each work ID;
- 6.4. The remaining unused materials shall be returned to OL Warehouse;
- 6.5. Any waste generated must be sorted, packed, labeled and handled according to OL requirements;
- 6.6. After completion of works, the work area and territory shall be cleaned up and handed over to OL representative.

### **7. Requirements for work acceptance.**

- 7.1. After completion of works, the Contractor shall appoint on-call workers to fix possible work defects and leaks: 1 work manager and 3 fitters for 2 days.

### **8. Requirements for work schedule.**

- 8.1. All works shall be performed according to the Work Schedule provided by OL.
- 8.2. The works shall be performed in one 11-hour shifts 7 days per week.
- 8.3. Final shutdown schedule will be provided two weeks prior to the shutdown.