



# List of Small Projects

Version number: 27/13.05.2024

This version is published due to the:

Addition of project(s)

Removal of project(s)

Other

As per Article 95 of Network code DESFA publishes the List of Small Projects. This update is performed following the inclusion of new projects (Table A) (according to the provisions of art. 94 par. 5 of Network Code). For the Small Projects included in the approved Development Plan 2023-2032, which are included in the List of Small Projects according to the provisions of article 95 par. 1 (A) of the Network Code, reference is made to the relevant RAEWW Decision E68/2023 and namely to the projects of Chapter I & II:

1. A6.1-A6.9

2. A7.3

3. B2.1 –B2.4 & B2.6

4. B3.1.1, B3.1.3 & B3.1.4

5. B3.2.2-B.3.2.3

6. B3.3.1-B3.3.4

7. B4.1

8. B6.1, B6.3, B6.4, B6.6-B6.9, B6.11-B6.38.

**Table A- New Small Projects according to art. 94 par 5 of Network Code**

**Development projects**

No.	TITLE	TECHNICAL DESCRIPTION	ESTIMATED COST (€)	TIME SCHEDULE
1	Overhaul of LNG pumps	<p>The scope of services pertains to the provision of services, required spare parts and supervision by suitable engineers and subcontractors for inspection, overall predictive maintenance and execution of necessary repairs of the LNG pumps.</p> <p>The projected works will include:</p> <ul style="list-style-type: none"> <li>- Removal of the pumps &amp; transportation to LNG plant workshop</li> <li>- Disassembly and subsequent inspection by specialized engineers provided by subcontractors</li> <li>- Maintenance of the pumps (by replacement of consumable spare parts) and/or execution of necessary repairs to return pumps into satisfactory working condition</li> <li>- Assembling of all parts</li> <li>- Reinstallation &amp; Commissioning</li> <li>- Test runs – performance tests</li> </ul> <p>Part A: Refers to Low Pressure pumps of LNG Tanks A&amp; B as well as two (2) out of six (6) High Pressure pumps of the terminal.</p> <p>Part B: Refers to Low Pressure pumps of Tank C as well as two (2) additional out of six (6) High Pressure pumps of the terminal.</p>	<p>Part A: € 2.000.000</p> <p>Part B: € 2.000.000</p>	<p>Part A:</p> <p>FID: Taken</p> <p>Operation/Entry in the system: 12/2024</p> <p>Part B:</p> <p>FID: June 2024</p> <p>Operation/Entry in the system: 12/2025</p>

**Table A- New Small Projects according to art. 94 par 5 of Network Code**

**Development projects**

No.	TITLE	TECHNICAL DESCRIPTION	ESTIMATED COST (€)	TIME SCHEDULE
2	Metal Roof at BMS Sidirokastro	<p>The project refers to the preparation of a study/design, the issuance of a Building Permit and the construction of a single storey metal building, for industrial use, for the storage &amp; maintenance of objects within the facilities of DESFA at the Metering Station of Sidirokastro. The metal building will have a total area of 450.00 sq.m. (sides 30.00m x 15.00m) and a clear height of 7.00m with a pitched roof. The foundation and construction of the metal building, as well as the works in the surrounding area will include the following:</p> <ul style="list-style-type: none"> <li>a. Demolition and removal of the existing concrete slab, measuring about 30.00m x 15.00m.</li> <li>b. Excavation and construction of the foundation and floor slab of the building from reinforced concrete category C20/25 and S500 steel, according to the static study of the project that will accompany the Building Permit of the construction in question and the applicable specifications.</li> <li>c. Placement of the metal elements of the metal structure, in application of the corresponding static study.</li> <li>d. Placing overlays in accordance with the approved architectural plans.</li> <li>e. Electrical installation, according to the approved E/M study, including supply &amp; installation.</li> <li>f. Plumbing installation (water supply – drainage) according to the approved E/M design, including supply &amp; installation of all required materials/equipment.</li> <li>g. Industrial floor construction (heavy duty).</li> </ul>	€ 100.000	<p>FID: Taken</p> <p>Operation/ Entry in the system: 12/2024</p>

**Table A- New Small Projects according to art. 94 par 5 of Network Code**

Development projects				
No.	TITLE	TECHNICAL DESCRIPTION	ESTIMATED COST (€)	TIME SCHEDULE
3	Required electro-mechanical equipment and tools	The project refers to a basket of capital expenses related to acquisition of machinery (tools) and small equipment necessary for the operation and maintenance of DESFA's O&M centers across the NNGTS. The range of tools and equipment varies according to the needs of the O&M centers, including but not limited to: Pressure test pumps, portable generators, calibration instruments, electrician tools and measuring instruments, replacements, etc.	€ 1.500.000	FID: Taken Operation/Entry in the system: 12/2025
4	Renovation of Patima O&M Center	The project scope refers to the renovation of the Operation & Maintenance Office Building in Patima Elefsina. Renovation study/work will include but is not limited to the following items: a) internal frames redesign, b) modification of false ceilings, c) new floors for office and corridors, d) decorations on wall surfaces for entrance area and multipurpose hall.	€ 120.000	FID: Taken Operation/Entry in the system: 12/2024
5	Intelligent Pigging inspection project of NNGTS	DESFA intends to execute an In-line Inspection project from 2024 to 2026 for geometric measurement, pipeline mapping, metal loss or other anomaly detection during ILI tools passage through NNGTS pipelines. The main objective of in-line inspection (ILI) is to obtain data on pipeline condition as part of the integrity management process. The ILI tools should pass through the pipeline driven by the gas flow and may be automatic and self-contained or may be operated from outside the pipeline via a data and power link.	€ 1.000.000	FID: 06/2024 Operation/Entry in the system: 12/2026
6	LNG Maintenance Projects 2024-2025	The project refers to a basket of capital expenses related to upgrading of the existing equipment – systems of the LNG Terminal. The upgrades include but not limited to: the rethermal coating of ORV's, the upgrade of level system of the Tanks A&B, the replacement of emergency lighting of process, the upgrade of firefighting network, the overhaul maintenance of electrochlorination unit, the upgrade of emergency loudspeaker system and the overhaul maintenance of automatic filters of sea water intake.	€ 1.500.000	FID: 06/2024 Operation/Entry in the system: 12/2024

**Table A- New Small Projects according to art. 94 par 5 of Network Code**

Development projects				
No.	TITLE	TECHNICAL DESCRIPTION	ESTIMATED COST (€)	TIME SCHEDULE
7	Upgrade of Valves - Installation of electric actuators	<p>DESFA is planning to upgrade existing block valves in all valve stations of the Natural Gas System accordingly: a) installing electric motors (electric actuators) to existing manual block valves, b) replacing of existing hydraulics- pneumatic systems (gas overoil actuator) block valves with electric driven ones, c) replacing of existing electric motors of block valves with new ones. All new valves shall be remotely controlled by SCADA.</p> <p>As part of the installation procedure, Basic Engineering Design shall be performed to develop a complete Basic Design Package including description of the Scope of Work and all documents and drawings connected to the SoW for the potential EPC contractors.</p> <p>Indicatively, the main components of installation in the stations include, but are not limited to, the following: a) interconnection of new facilities and utilities with the existing, b) control system and integration with existing or new installations, c) equipment arrangement for the existing RCC building, d) SCADA system, FTS system &amp; fibre optic cable (where necessary), e) new UPS installation. The stations will be designed for unmanned operation.</p>	€ 1.500.000	FID: 06/2024 Operation/ Entry in the system: 12/2026
8	Replacement & Upgrade of Unloading Arm C	In order to secure and retain the unloading arm's (Arm C) capacity it is considered necessary to proceed with its replacement, in the LNG Terminal in Revithoussa, with a new one. Simultaneously DESFA plans to upgrade the existing unloading arm that is being replaced so that it can be used as a spare in future overhaul maintenance.	€ 2.970.000	FID: 06/2024 Operation/ Entry in the system: 12/2025
<b>Total Cost</b>		<b>€ 12.690.000</b>		