

## Construction of a grain terminal on the territory of the state enterprise " Mariupol Sea Commercial Port" (phase 2)

| Project description  |  |
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| Project initiator  | State Enterprise "Mariupol Sea Commercial Port"  |
| The essence of the project   | Expansion of the first stage of the specialized transshipment complex of grain cargo on the territory of the Mariupol Port   |
| Project goal   | Expansion and improvement of a number of services that will be provided by the port to increase its competitiveness and attractiveness in the Ukrainian port services market.  |
| Compliance with strategic documents and assignation of priorities              | Corresponds to the development strategy of Ukrainian seaports for the period up to 2038  |
| Study of the problem that will be solved as part of the project implementation | <p>Common problems of Ukrainian seaports that need to be solved are:<br/> unbalanced development of transshipment capacities and Portside infrastructure;<br/> insufficient use of the potential of existing transshipment facilities, especially state-owned stevedoring companies-commercial seaports (about 50 percent of total capacity of all sea terminals);<br/> slow renewal of fixed assets at state-owned enterprises of the port industry, non-compliance of their technical level with modern requirements for the provision of services for the implementation of operations for servicing cargo, ships, rolling stock, etc.</p> <p>Therefore, there is a need to expand and improve a number of services that can be provided by the port in order to increase its competitiveness and attractiveness in the Ukrainian port services market.</p> |
| The estimated cost of the project amounts to                                   | 242,300. 0 (excluding VAT)   |
| Project Implementation Arrangement   | By attracting investment funds   |
| Key financial indicators of the project implementation                         | Performance indicators of the investment project will be determined after receiving proposals from future investors.   |
| Project implementation term  | 2022-2024  |
| Indicative funding sources to finance the project                              | Investment funds   |
| Project Implementation Arrangement   | Project proposal, search for an investor   |
| Interested parties and expected result of the                                  | <p>Target groups:</p> <ul style="list-style-type: none"> <li>- enterprises exporting agro-industrial products;</li> <li>- STATE ENTERPRISE "Mariupol Sea Commercial Port";</li> </ul> <p>Project implementation will result in:</p>  |

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| project implementation   | <p>increase in cargo handling volumes (at Stage 2, a total amount is 2 million tons per year);</p> <p>reducing the cost of overloading;</p> <p>increase in profit;</p> <p>growth of corresponding transfers to budgets of all levels;</p> <p>creating new jobs;</p> <p>creating optimal conditions for cargo owners to develop existing and prospective cargo flows.</p>   |
| <p>Characteristics of an object (existing or newly created)</p>  |  |
| Location of the object   | <p>Mariupol, Donetsk region, Ukraine.</p> <p>State Enterprise "Mariupol Sea Commercial Port"; is conveniently located on the north-western coast of the Taganrog Bay of the Sea of Azov at the junction of transport corridors, in the center of the largest industrial area in the south-east of Ukraine.</p> <p>The location address is not defined.</p>   |
| Description of existing objects or those that are proposed to be created as part of the project implementation | <p>The implementation of the project includes construction and use of new port infrastructure facilities, as well as the purchase and use of new modern equipment.</p> <p>The project also includes the construction of an additional 13 tanks of 5.7 thousand tons each;</p> <p>purchase of technological transport equipment;</p> <p>purchase of a grain loading machine with a capacity of up to 1 thousand tons/hour.</p>  |
| Form of property   | <p>State-owned company</p>   |
| Related infrastructure   | <p>Access to transport infrastructure:</p> <p>State Enterprise "Mariupol Sea Commercial Port" is served by The Portside railway station "Mariupol-Port".</p> <p>The M14 motorway is in 6 km, automobile access roads are available.</p> <p>Availability and proximity of public infrastructure</p> <p>Power supply:</p> <p>Power supply of the State Enterprise "Mariupol Sea Commercial Port" is provided from the step-down substation PS 35/6 kV "port", which is equipped with two transformers with a capacity of 16 MVA, along 6 kV cable lines laid to Rp-1, TP-3, TP-9, tp-11. In terms of reliability of power supply (according to the Regulations for Electrical Installation), the Seaport as a whole belongs to the second category.</p> <p>The rated capacity of the port's power consumers is 5,215 MW.</p> <p>The port has 25 transformer substations on its balance sheet with a total installed transformer capacity of 42,360 KVA.</p> <p>Heat Supply:</p> <p>Heat consumers in the state enterprise "Mariupol Sea Commercial Port" are administrative, domestic and industrial premises, including Port Management buildings, which are provided with heat mainly from the boiler room of the port'S central heat supply station using the heating, ventilation and hot water supply system. Natural gas with a calorific value of 8110 kcal/M3 is used to generate heat.</p> <p>The solar installation of the central heat supply station boiler house provides hot water supply to the port division in the period from May to September. The total area of solar collector field is more than 630 m2 and has 336 panels. In 2020, the solar unit generated 161 Gcal of thermal energy.</p> <p>Gas consumption:</p> <p>The central boiler house is a consumer of natural gas in the state enterprise "Mariupol Sea Commercial Port".</p> <p>Natural gas supply to the boiler room of the port'S central heat supply station is carried out through networks of medium-pressure gas pipelines (P=1.2 KGF /cm2) of LLC</p> |

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|                    | <p>"Mariupolgaz". Annual gas consumption for heat generation in 2020 amounted to 1.2 million tons. M3.</p> <p>Water supply and sewerage:<br/> State Enterprise "Mariupol Sea Commercial Port" is equipped with a system of public drinking water supply, domestic and rain water drainage systems. According to the port, the condition of structures and networks of these systems is satisfactory.</p> |
| Land area, hectare | <p>The project is being implemented on the territory of the port, the total area of which is about 65 hectares.</p> <p>The total area of the border and rear storage areas of berths No. 3 and No. 4 is about 1 ha (historically - Khibna Gavan).</p>  |
| Land plot status   | <p>Warehouse territory-state property/ STATE ENTERPRISE "Mariupol Sea Commercial Port".</p> <p>Berths No. 3,4, - state property/ State Enterprise "Sea Port Administration Of Ukraine".</p> <p>Current usage<br/> Placement of a universal transshipment complex for receiving, storing and transshipment of all types of cargo for various types of transport.</p>                                      |
| Levelling of land  |  |

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