

APPLICATION TECHNICAL DATA

A. FUTURE TRANSPORTATION CAPACITY RESERVATION DATA

1. **Desired starting date of Transportation Services:** 1/7/2021
2. **Desired end date of Transportation Services:** 31/12/2056
4. **Future Transportation Capacity Reservation for Gas Off-take at Exit Points:**

S/S	Exit Point Name	Reserved Transportation Capacity for Off-take [MWh/Day]	Maximum Hourly Off-taken Quantity [MWh/hour]	Maximum Pressure at off-take [barg]	Minimum Pressure at off-take [barg]
1	ALUMINION IV	34.100	1.425	66,4	25

B. OFF-TAKE INSTALLATION DATA AND ESTIMATED YEARLY NATURAL GAS QUANTITY

Brief Technical Description

Future installation: new Independent Power Plant (IPP)

The Shipper (MYTILINEOS SA) will install a new Independent Power Plant (IPP) at its industrial premises at Agios Nikolaos Viotia (industrial unit Alumina – Aluminium production, Cogeneration Heat and Power unit and existing Independent Power Plant) for which is requesting to receive natural gas.

Gas will be delivered for the new IPP from the new Exit Point ALUMINION IV at NNGS and a new Metering Station will be installed at MYTILINEOS property where the new IPP is going to be installed as well. The connection with NNGS will be at the High pressure branch Mavroneri - Antikyra pipeline DN 500. The proposed place of the new Metering Station is at the vicinity of the NNGS High pressure branch. Thus an interconnecting line of short length (<100 m) is going to be constructed DN 350 (estimated).

The new IPP will be a gas-fired combined cycle gas turbine unit. The nominal capacity will be 826MW (ISO – new and clean), net capacity will be 806 MW, efficiency of 63,1% at 100% load. Mean annual electrical production 5.000 GWh/year (estimated). Natural gas annual estimated consumption will be 9.000 GWh HHV.

1. *Timeline of permitting and construction of the new take-off installation*

The estimated time schedule for permitting and construction of the new IPP will be as follows:

- Issuance of new production permit (the application has been submitted) 30/8/2019
- Issuance of Ministerial Decision approval of Environmental terms 31/08/2019
- Issuance of installation permit 30/11/2019
- Issuance of building permit 31/12/2019
- Construction and equipment installation 1/1/2020 - 30/9/2021
- Testing and checks 1/10/2021 – 31/12/2021
- Issuance of operational permit 1/1/2022
- Commercial operation 1/1/2022

2. *Estimated date of operation start up*

Operation startup of the new IPP in 2021.

3. *List of issued Permits or applications for the issuance of permits in relation with the in subject Off-take Installation or the subject Connected System as well as any agreements concluded to this end*

The following permits have been applied/will be applied to be acquainted for the new IPP:

- Production permit 665MW, PAE 744/2018/27.07.2018,
- The application for issuance of the Ministerial Decision approval of Environmental terms has been submitted on the 5th February 2019,
- The application for issuance of the production permit 826MW has been submitted on the 5th July 2019 PAE ref. no. PAE I-264519/05.07.2019,
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The following applications will be submitted to the competent Authorities in accordance with the time schedule for the acquaintance of permits:

- Ministerial Decision approval of Environmental terms
- Installation permit
- Building permit
- Operational permit

Regarding agreements that may have been with future customers, the following are valid:

Under the framework of Target Model, the new Independent Power Plant shall participate in the following markets:

- Forward Market.
- Day Ahead Market.
- Intra-Day Market.
- Balancing Market.