



**Demand assessment report  
for incremental capacity between  
the transmission systems  
in Romania and in  
the Republic of Moldova**

**23-10-2023**

This report is a joint assessment of the potential for incremental capacity projects conducted by

TSO 1

TSO 2

SNTGN TRANSGAZ SA

VESTMOLDTRANSGAZ SRL

Address

Address

Piata C. I. Motas, Nr. 1

Șoseaua Balcani 7/E

551130, Medias Jud. Sibiu

Romania

MD 2088, mun. Chișinău,

Republic of Moldova

General contact information

General contact information

Telephone: +4 0269 80 33 33

Telephone: +373 (22) 667291

email: [cabinet@transgaz.ro](mailto:cabinet@transgaz.ro)email: [office@vmtg.md](mailto:office@vmtg.md)

Fax. +4 0269 83 90 29

Fax: -

## Table of contents

A. Non-binding demand indications	4
B. Demand assessment	6
i. Historical usage pattern	6
ii. Results of annual auctions for existing capacity	6
iii. Expected amount, direction and duration of demand for incremental capacity	7
C. Conclusion for the initiation/non-initiation of an incremental capacity project	8
D. Provisional timeline	9
E. Interim arrangements for the auction of existing capacity at IP Ungheni	9
F. Fees	9
G. Contact information	10

## A. Non-binding demand indications

Ungheni interconnection point connects the National Gas Transmission System of TRANSGAZ and the National Gas Transmission System of VESTMOLDTRANSGAZ both in the Romania – Moldova direction and in the Moldova – Romania direction, and is operated by VESTMOLDTRANSGAZ.

Technical capacities existing as of 1 October 2023:

Maximum technical capacity	Ungheni (RO>MD)	
	m <sup>3</sup> /d/y (0°C)	kWh/d/y (25°C/0°C)
	<b>4.890.000</b>	<b>55.704.552</b>

Maximum technical capacity	Ungheni (MD>RO)	
	m <sup>3</sup> /d/y (0°C)	kWh/d/y (25°C/0°C)
	<b>1.900.000</b>	<b>21.599.831</b>

During the collection of the non-binding demands for incremental capacity in the process for the incremental capacity demand market assessment launched by Transgaz and Vestmoldtransgaz in July 2023, immediately after the start of the annual yearly capacity auction of 3 July 2023, according to Art. 26 of Regulation (EU) 2017/459 (CAM NC), the participants in the natural gas market submitted demand indications for incremental capacity as follows:

### Demand indications submitted to TRANSGAZ

#### **Ungheni (RO>MD)**

There was a single capacity demand recorded in this direction:

- **NU 1** requested capacity at a level of **51.695.000** kWh/d/y for gas year 2024/2025

#### **Ungheni (MD>RO)**

There was a single capacity demand recorded in this direction:

- **NU 1** requested capacity at a level of **51.695.000** kWh/d/y for gas year 2024/2025

The two demands are shown in the table below:

From [entry-exit system name] `EXIT CAPACITY`	To [entry-exit system name] `ENTRY CAPACITY`	Gas year yyyy/y y	Amount (kWh/h)/y	Request is submitted to other TSOs [yes, TSO] or [no] (detailed informatio n shall be provided below)	Period when demand Indication was received*  [Please include the period according to the numbers 1) - 3]]	Additional Information  (e.g. type of capacity, if different from bundled firm freely allocable)
<b>Transgaz</b>	Vestmoldtransgaz	2024/ 2025	51.695.000	Yes	2	
<b>Vestmoldtransgaz</b>	Transgaz	2024/ 2025	51.695.000	Yes	2	

\* The following standardised period shall be used for indicating the receiving date of the demand indication:

- 1) later than eight weeks after the annual yearly capacity auction in the previous incremental capacity cycle, that have not been considered previously;
- 2) within eight weeks after this year's yearly capacity auction (0 – 8 weeks after annual yearly capacity auction);
- 3) eight weeks after the last annual yearly capacity auction, but which will be taken into account in the current incremental capacity cycle (9 – 16 weeks after annual yearly capacity auction).

### **Demand indications submitted to VESTMOLDTRANSGAZ**

#### ***Ungheni (RO>MD)***

There was a single capacity demand recorded in this direction:

- **NU 1** requested capacity at a level of **51.695.000** kWh/d/y for gas year 2024/2025

#### ***Ungheni (MD>RO)***

There was a single capacity demand recorded in this direction:

- **NU 1** requested capacity at a level of **51.695.000** kWh/d/y for gas year 2024/2025

The two demands are shown in the table below:

From [entry-exit system name] `EXIT CAPACITY`	To [entry-exit system name] `ENTRY CAPACITY`	Gas year yyyy/y y	Amount (kWh/h)/y	Request is submitted to other TSOs [yes, TSO] or [no] (detailed informatio n shall be provided below)	Period when demand Indication was received*  [Please include the period according to the numbers 1) - 3)]	Additional Information  (e.g. type of capacity, if different from bundled firm freely allocable)
<b>Transgaz</b>	Vestmoldtransgaz	2024/ 25	51.695.000	Yes	2	
<b>Vestmoldtransgaz</b>	Transgaz	2024/ 25	51.695.000	Yes	2	

\* The following standardised period shall be used for indicating the receiving date of the demand indication:

- 1) later than eight weeks after the annual yearly capacity auction in the previous incremental capacity cycle, that have not been considered previously;
- 2) within eight weeks after this year's yearly capacity auction (0 – 8 weeks after annual yearly capacity auction);
- 3) eight weeks after the last annual yearly capacity auction, but which will be taken into account in the current incremental capacity cycle (9 – 16 weeks after annual yearly capacity auction).

## B. Demand assessment

### i. Historical usage pattern

The historical usage at IP Ungheni is available on the websites of both TSOs and is also published on the ENTSO-G transparency platform, relevant EIC code: 21Z000000000356G.

### ii. Results of annual auctions for existing capacity

There were no requests and capacity booking for the firm technical capacity existing at the Ungheni interconnection point, in both transmission directions, offered in the annual auctions of 3 July 2023. There are also no previous capacities booked that would affect the analysis of supplying of the registered capacity demands.

**iii. Expected amount, direction and duration of demand for incremental capacity**

It is noted that the **demand indications received by the two operators are identical both in the MD>RO direction and in the RO>MD direction** and there are no previous capacities booked.

**The analysis of the provision of the non-binding capacity demand indications in the RO>MD direction**, taking into account the previous capacity booked and the existing technical capacity, is presented in the table below:

Gas year	IP (Direction)	Firm technical capacity on 01/10/2023	Booked firm capacity	NU 1 demand	Total booked capacity + demand	Incremental capacity necessary
x	x	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)
2024/2025	Ungheni (RO-MD)	55.704.552	0	51.695.000	51.695.000	0

The table analysis shows that for gas year 2024/2025, incremental capacity demand is within the existing technical capacity.

**The analysis of the provision of the non-binding capacity demand indications in the MD>RO direction**, based on the existing technical capacity and taking into account that there are no previous booked capacities, is presented in the table below:

Gas year	IP (Direction)	Firm technical capacity on 01/10/2023	Booked firm capacity	NU 1 demand	Total booked capacity + demand	Incremental capacity necessary
x	x	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)	(kWh/d 25°/0°)
2024/2025	Ungheni (MD-RO)	21.599.831	0	51.695.000	51.695.000	30.095.169

The table analysis shows that for gas year 2024/2025, incremental capacity demand exceeds the existing technical capacity.

## **C. Conclusion for the initiation/non-initiation of an incremental capacity project**

According to the analysis at section B of the demand requested to both TSOs **at the IP Ungheni in the (RO>MD) direction the cumulative incremental capacity demand received by the two TSOs, at a level of 51.695.000 kWh/d/y, for gas year 2024/2025, is within the existing technical capacity of 55.704.552 kWh/d/y and it is not necessary to launch an incremental capacity project.**

According to the analysis at section B, **demand assessment in the (MD>RO) direction** showed that **the cumulative incremental capacity demand, at the level of 51.695.000 kWh/h/y, for gas year 2024/2025, is not within the existing technical capacity of 21.599.831 kWh/h/y, which required an further analysis based on the current technical characteristics of the networks of the two TSOs. The exceeding demand in gas year 2024/2025 is at the level of 30.095.169 kWh/d/y.**

The additional demand was analysed by both TSOs, with the following conclusions:

- 1) For gas year 2024/2025 additional demand cannot be met without significant additional system development.
- 2) The possible developments required cannot be subject to the initiation of an incremental capacity project at the end of October 2023, after the publication of the assessment report, as the additional demand is only registered for one gas year (2024/2025) and is very close to the time of assessment. There is virtually no time to run a full incremental capacity process, in which case the binding stage of the process - the annual auction for this capacity - would take place in July 2025, without taking into account the time needed for development and the costs that would need to be recovered in a single year.

**Following the analysis and considerations presented, the two TSOs conclude that it will not be initiated an incremental capacity project at the IP Ungheni in the MD>RO direction.**



## **D. Provisional timeline**

Not applicable.

## **E. Interim arrangements for the auction of existing capacity at IP Ungheni**

There are no interim arrangements regarding the interconnection point.

## **F. Fees**

### **Transgaz SA**

SNTGN Transgaz SA does not charge a fee for assessing and processing non-binding demand indications.

### **Vestmoldtransgaz SRL**

Vestmoldtransgaz SRL does not charge a fee for assessing and processing non-binding demand indications.

## **G. Contact information**

SNTGN TRANSGAZ SA  
Teodora Barbu  
Head of Transmission  
Capacity Management  
Telephone: +4/0269/803125  
Fax: +4/0269/841181  
Email: cabinet@transgaz.ro  
Piața C.I Motaș nr. 1,  
551130, jud. Sibiu,  
Romania

VESTMOLDTRANSGAZ SRL  
Eteri Leiciu  
Senior Specialist  
Regulations and External Cooperation  
Telephone: +060558696  
E-mail: eteri.leiciu@vmtg.md  
Șoseaua Balcani 7/E,  
MD 2088, mun. Chișinău,  
Republic of Moldova