

**The level of the gas transmission system connection components or tariffs set according to the methodology approved by Order of the ANRE President 71/2018**

The regulated gas transmission system connection tariffs were approved by Board of Administration Resolution 28/19 June 2018.

SNTGN Transgaz SA established the regulated gas transmission system connection tariffs according to Order 71/2018 of the ANRE President.

The methodology regulates the setting of:

- the tariff for the analysis of connection request  $T_{(C)}$ ;
- the gas transmission system (TS) connection tariff  $T$ .

The gas transmission system connection tariff is calculated by the following formula:

$$T = T_{(A)} + T_{(V)} + T_{(P)} + T_{(E)} + T_{(U)} [lei], \text{ where:}$$

T – TS connection tariff

$T_{(A)}$  – TS connection tariff component related to the costs for obtaining the town planning certificate, the permits and the authorizations issued by the competent authorities/bodies, and the construction permit for the connection installation;

$T_{(P)}$  - TS connection tariff component related to the costs for designing the connection installation;

$T_{(V)}$  - TS connection tariff component related to the costs for the verification of the technical documents/technical project of the connection installation;

$T_{(E)}$  - TS connection tariff component related to the costs for the execution of the connection installation;

$T_{(U)}$  - DS/TS connection tariff component related to the costs for the monitoring of the works, the acceptance and the commissioning of the connection installation.

$$T_{(A)} = C_{(A,E)} + C_{(A,OS)}, \text{ where:}$$

$C_{(A,E)}$  – estimated/actual costs for the issuing of the necessary town planning certificate, permits, authorizations and construction permit for the connection installation;

$C_{(A,OS)}$  – own costs of the SO for obtaining the documents.

$$T_{(E)} = C_{(E)} + C_{(P)} + C_{(S)}, \text{ where:}$$

$C_{(E)}$  – cost for the execution of the connection, the MRS execution/mounting excluded;

$C_{(P)}$  - cost for the execution of the works related to restoration of paving/earthwork: grubbing or restoration of roadway and/or footway etc.;

$C_{(S)}$  - cost for the MRS execution/mounting.

$$C_{(E)} = c_{(s)} + c_{(m)} * (l_{(b)} - l_{min}) + s, \text{ where:}$$

$c_{(s)}$  – the standard cost for the execution of a connection;

$c_{(m)}$  – unit cost for the execution of each meter of the connection longer than 2 m;

$l_{(b)}$  – length of the connection, expresses in meters;

$l_{min}$  – minimum length of the connection considered at the calculation of the TS connection tariff. For the connection to the TS it is of 2 m.

s – cost of special works/components.

$C_{(S)} = c_{(m)} \times k$ , where:

$c_{(m)}$  – unit costs, expressed in lei/100 m<sup>3</sup>/h metering capacity;

k – the ratio between the station metering capacity expressed in m<sup>3</sup>/h, and 100 m<sup>3</sup>/h.

The tariffs  $T_{(C)}$ ,  $T_{(A)}$ ,  $T_{(V)}$ ,  $T_{(P)}$  și  $T_{(U)}$  are presented in the table below:

No.	Symbol	Tariff name	Tariff type	Tariff -lei- (VAT excluded)
1	$T_{(C)}$	Tariff for analysis of connection request	fixed tariff	600
2	$T_{(A)}$	Tariff for obtaining the town planning certificate, the permits and authorizations, of which:		15,450
	$C_{(A,E)}$	Estimated costs for the issuing of the town planning certificate, permits, authorizations	estimated tariff	1,678
	$C_{(A,OS)}$	Own costs of the SO for obtaining the town planning certificate, permits, authorizations	fixed tariff	13,772
3	$T_{(P)1}$	Tariff for designing the connection installation MRS capacity +connection <250cm/h	fixed tariff	40,664
4	$T_{(P)2}$	Tariff for designing the connection installation 250cm/h ≤ MRS capacity +connection <6500cm/h	fixed tariff	71,243
5	$T_{(P)3}$	Tariff for designing the connection installation MRS capacity +connection >6500cm/h	fixed tariff	86,533
6	$T_{(V)}$	Tariff for verification of the technical documents/technical project	fixed tariff	630
7	$T_{(U)}$	Tariff for monitoring the works and commissioning the connection installation	fixed tariff	29,899

The values of  $c_{(s)}$  and  $c_{(m)}$  components of the  $C_{(E)}$  component of the  $T_{(E)}$  execution tariff are presented in the table below:

DN	$c_{(s)} t$ (lei)	$c_{(m)} T$ (lei/m)
50	18,722.18	174.94
80	22,205.86	215.24
100	43,013.44	287.27
150	77,198.90	381.56
200	93,177.36	442.40
250	253,069.14	495.50
300	311,866.56	524.28
400	403,092.00	697.00
500	559,977.00	869.50

The cost of special works (the  $s$  component of  $C_{(E)}$ ) includes the costs related to the following undercrossings:

a) Road casing undercrossing, cost lei/m

Diameter	Cost lei/m
50	1,163
80	1,163
100	1,163
150	1,395
200	2,232
250	2,906
300	3,497
400	4,255
500	4,994

b) Railway casing undercrossing, cost lei/m + fixes amount 2 valves:

Diameter	Cost lei/m	Fixed amount 2 valves (lei)
50	1,163	11,160
80	1,163	16,740
100	1,163	22,320
150	1,395	33,480
200	2,232	52,080
250	2,906	83,700
300	3,497	122,760
400	4,255	178,560
500	4,994	260,400

c) Water, hydrochannels undercrossings, cost lei/m:

Diameter	Cost lei/m
50	228
80	284
100	377
150	498
200	814
250	935
300	1,074
400	1,372
500	1,623

The  $C_{(P)}$  component of the  $T_{(E)}$  execution tariff representing the cost for the execution of the works related to execution of MRS access road was established taking into account an access road having a platform width of 4 m (3+2x0.5m). Thus:

Roadway material	Cost lei/m
Crushed stone	479
Asphalt concrete	581
Cement concrete	777

The  $C_{(S)}$  component of the  $T_{(E)}$  execution tariff was established depending on the type, size and equipment of the metering - regulating station.

a) For metering capacities under 650 m<sup>3</sup>/h

Metering capacity (cm/h)	Design pressure (bar)	Value (lei)
25	25	100,154
40	25	141,388
65	25	192,062
100	25	223,298
160	25	233,234
250	25	521,937
400	25	613,146
650	25	694,979
25	40	104,327
40	40	147,279
65	40	200,064
100	40	232,602
160	40	242,952
250	40	531,463
400	40	626,472
650	40	711,715

b) For metering capacities over 650 m<sup>3</sup>/h

No.	Type of metering-regulating station	650<capacity<2500		2500<= capacity <6500		Capacity =>6500	
		c(m) (lei/100 cm/h)		c(m) (lei/100 cm/h)		c(m) (lei/100 cm/h)	
		Pn=25 bar	Pn=40 bar	Pn=25 bar	Pn=40 bar	Pn=25 bar	Pn=40 bar
1	Mechanical installation without odorization and heating	N/A	N/A	N/A	N/A	N/A	N/A
2	Mechanical installation with odorization	83,187	85,431	36,500	37,532	12,558	12,876
3	Mechanical installation with heating	N/A	N/A	N/A	N/A	N/A	N/A
4	Mechanical installation with odorization and heating	90,291	92,831	39,380	40,532	13,332	13,776

**The connection tariff communicated together with Technical Connection Approval or the Technical Approval in Principle are only estimative since the final value of all of the components included in the calculation of the connection tariff is not known at the issuance of the Technical Connection Approval/Technical Approval in Principle.**

**The connection tariff is regulated by the SO following preparation of supporting documents related to the final costs of the work.**