

**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.**