



**Hellenic Gas Transmission System Operator S.A.**  
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## **TECHNICAL SPECIFICATION**

**Doc No: DSF-SPC-CIV-014**

**Rev. 2**

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# **HIGH PRESSURE (HP) TRANSMISSION SYSTEMS**

# **REINSTATEMENT**

**JULY 2024**

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|            |                    |             |             |             |             |
|------------|--------------------|-------------|-------------|-------------|-------------|
| 2          | Third Issue        | 11-07-2024  | PG          | KD          | KD          |
| 1          | Second Issue       | 30-06-2021  | AP          | KM          | TPI         |
| 0          | First Issue        | 05-04-2011  | PQ DPT.     |             | V.G.        |
| <b>REV</b> | <b>DESCRIPTION</b> | <b>DATE</b> | <b>PRPD</b> | <b>CHKD</b> | <b>APVD</b> |





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### **1. INTRODUCTION**

### **2. SCOPE AND OBJECTIVES**

This specification covers the minimum requirements for cleanup and surface reinstatement of the working width and the surface of other areas used for the construction of natural gas pipelines

### **3. REFERENCES**

#### **3.1 Reference Documents**

- DSF-SPC-PIP-015 -Technical Specification [Tie-Ins]
- DSF-SPC-PIP-016 - Technical Specification [Crossings]
- DSF-SPC-CIV-002 - Technical Specification [Site Requirements]
- DSF-SPC-CIV-023 - Technical Specification [Application of Erosion Protection Measures]

#### **3.2 Reference Codes and Standards**

### **4. ACRONYMS**

NG                Natural Gas

### **5. EXTENT AND REQUIREMENTS**

All site surfaces, including the working width, construction sites, storage sites, access roads, etc., shall be reinstated by the Contractor in their original condition.

Top layer of the soil, which has been stripped from the site and stored elsewhere, shall be spread over on its former location, so as to form a layer of the same thickness as before. Any stones larger than 0.15m shall be removed by the Contractor or left providing that permit has been obtained by landowner and the Owner Representative.

All unsuitable for reapplication materials such as electrode stumps, packaging, timber, temporary bridges, pipe stumps, cleared bush, etc, shall be removed at the Contractor's own cost and dispose of it in accordance with all governing laws and regulations.

The Contractor is liable for any expense arising from subsequent damage due to existence of large stones or other materials, left on or below the surface, which he has failed to remove.



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The surface reinstatement work shall be carried out after the completion of backfilling works of pipe trench and the reinstatement of the drains. Special attention shall be paid by Contractor in order to avoid any delays in cleaning up of construction sites, after completion of the most recent activities.

Excess excavated material from row preparation and trench, shall be removed from site and disposed to areas, indicated by authorities, or will be spread over the row in case that the relevant permit shall be given by landowner or the relevant authorities. The relevant protocol shall be signed by the said landowner or competent authority.

It is important to the Owner that the working width and all sites are reinstated to their original condition as soon as possible. In agricultural areas the surface reinstatement operations may not last more than 18 calendar days after the pipe lowering, (see fig.1), unless written approval is obtained from the Client representative. The Owner Representative shall be entitled to stop the work, if surface reinstatement is not carried out within the 18-day period. Any compensation shall not be paid by the Owner for such interruption.

Agricultural areas shall be harrowed, before being handed back to the landowners. All areas, which have been subjected to heavy equipment, shall be grubbed to a depth of approx. 0.4 m before replacement of topsoil, according to the requirements of the Owner Representative.

In areas where shallow drains exist, grubbing shall be done to a depth, which shall not damage the drains, and according to the landowner's requirements and the approval by the Owner Representative.

The Contractor is responsible for the resowing of the public owned areas and along the roads, but not for the resowing of farmland.

If required, temporary fences, watering installations, etc., shall be left in place until the grass sown by the Contractor or the landowner is re-established and the pasture is usable again.

The Contractor shall not be responsible for the reinstatement of plantations, hedges and windbreak belts.

All Permanent fences, constructions of concrete and walls (including stone walls), installations of any kind etc. shall be reconstructed by the Contractor, to their previous condition, using new materials as required, under Contractor's own care and cost. All Drains Ditches and Channels shall be returned to their original course and cross-section over the entire length affected by the construction. Any areas, ditches, watercourses, etc. affected by dewatering and water disposal shall be cleaned and reinstated. In wooded areas, all useless stumps, branches, etc. shall be removed, and the ground shall be leveled and compacted with suitable vibratory machine.



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All roads, bridges, etc. affected by the Contractor's work or his equipment shall be repaired in their initial condition. Permanent road signs damaged by the Contractor shall be reinstated and all temporary signs shall be removed by the Contractor. The Contractor shall be reinstated and repaired all asphalt road pavements damaged as a result of his construction. Asphalt pavements shall be reinstated in their initial condition and specification according to the relevant Authority requirements.

In areas with rocky and stony surfaces, the reinstatement of the working width shall be carried out in such a way that the earth cover shall obtain its previous form.

For all protected areas along the pipeline route, Contractor shall be responsible for the implementation of any environmental protection measures or requirements which may be demanded by the relevant Authorities.

On completion of the reinstatement the Contractor shall submit to the Owner Representative a written statement by the respective landowners (including owners of roads, railways, watercourses, etc.) certifying that the re- instatement has been carried out satisfactorily.

In agricultural areas only the available time between completion of Pipe Lowering in and start of Surface Reinstatement cannot exceed thirty (30) calendar days.

For time limits on tie-ins and road and railway crossings, reference is made to Tech. Specifications below:

For time limits on clearing, reference is made to Technical Specification (DSF-SPC-CIV-002),.

For slope surface erosion protection reference is made to Technical Specification (DSF-SPC-CIV-023).

If for any reason attributable to the Contractor the required reinstatement works, as these are described above, are not fully executed, the relevant costs for each specific activity not executed will be reduced from contractual price.

## **6. REINSTATEMENT FOR HORIZONTAL DIRECTIONAL DRILLING**

It is Contractor's obligation to reinstate all locations where he takes surveying measurements during the drilling.

Upon the completion of pullback and the subsequent tests (hydrostatic test, sizing pig, isolation test) both pipe and rig sites will be reinstated. Included in this work is the removal of bentonite drilling fluid from the entry and exit pits and the filling in of these excavations.

The Drilling Contractor is responsible for the disposal of surplus drilling mud upon the completion of the pipeline pullback. The bentonite drilling mud will be dumped into the trench made in the specially



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designated ROW, delivered by the Owner in the vicinity of the pipeline. The thickness of the mud varies from 100 mm higher the level of padding up to 300 mm as per the attached sketch in accordance with all ecological regulations and pipeline route and work performance area agreements.

Contractor is responsible for the application of all environment protection requirements which will be demanded by the relevant Authorities for the protected areas.

### **7. QUALITY SYSTEM**

It is Contractor's responsibility for the execution of clean up and reinstatement works of this project.

All works shall be recorded by Contractor's engineers in the relevant Quality Forms and shall submitted to Client Representative for signing and acceptance of the works.

The Quality Forms related to reinstatement works are attached here below.



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## **8. ATTACHMENTS**

### **ATTACHMENT 1**

**“REINSTATEMENT REPORT”**






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|   |                     |                      |
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| <br>Hellenic Gas Transmission System Operator<br><br>CONTRACTOR'S LOGO | CLIENT : DESFA S.A. | Form : SP-CIV-11/F-1 |
|   | PROJECT :           | Rev.: 0              |
|   | CONTRACTOR :        | Page 1 of 1<br>:     |

| REINSTATEMENT REPORT   |                     |                           |
|------------------------|---------------------|---------------------------|
| CLIENT REPRESENTATIVE: | SECTION : .....     | REPORT No : .....         |
|                        | REF. DRWGS : .....  | ISSUE DATE : .....        |
|                        | PREPARED BY : ..... | SHEET No : ..... of ..... |

| CHAINAGE (K+) |    | LENGTH (m) | TYPE OF REINSTATEMENT | REMARKS |
|---------------|----|------------|-----------------------|---------|
| FRO<br>M      | TO |            |                       |         |
|               |    |            |                       |         |
|               |    |            |                       |         |
|               |    |            |                       |         |
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|               |    |            |                       |         |
|               |    |            |                       |         |
|               |    |            |                       |         |

COMMENTS:

|            |                       |
|------------|-----------------------|
| CONTRACTOR | CLIENT REPRESENTATIVE |
|------------|-----------------------|



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### **ATTACHMENT 2**

### **“REINSTATEMENT PROTOCOL”**




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| <br><br>CONTRACTOR'S<br>LOGO | CLIENT : DESFA S.A. | Form : SP-CIV-11/F-2 |
|   | PROJECT :           | Rev.: 0              |
|   | CONTRACTOR :        | Sheet: 1 of 1        |

| REINSTATEMENT PROTOCOL<br>ΠΡΩΤΟΚΟΛΛΟ ΑΠΟΚΑΤΑΣΤΑΣΗΣ       |                    |                                  |
|--|--------------------|----------------------------------|
| CLIENT REPRESENTATIVE:                                   | SECTION : .....    | PROTOCOL No :<br>ΑΡ. ΠΡΩΤΟΚΟΛΛΟΥ |
|  | REF. DRWGS : ..... | ISSUE DATE :<br>ΗΜΕΡΟΜΗΝΙΑ       |
| LAND LOCATION<br>ΤΟΠΟΘΕΣΙΑ ΑΓΡΟΤΕΜΑΧΙΟΥ                  |                    |                                  |
| CADASTRAL PROPERTY No<br>ΚΤΗΜΑΤΟΛΟΓΙΚΟΣ ΑΡ. ΑΓΡΟΤΕΜΑΧΙΟΥ |                    |                                  |
| LANDOWNER<br>ΦΕΡΟΜΕΝΟΣ ΙΔΙΟΚΤΗΤΗΣ ή ΚΑΛΛΙΕΡΓΗΤΗΣ         |                    |                                  |
| HOME ADDRESS<br>ΔΙΕΥΘΥΝΣΗ ΚΑΤΟΙΚΙΑΣ                      |                    |                                  |

Today the ..... the undersigned Mr./Mrs. .... with ID No. .... following the express statement of Contractor, that all activities for the construction of the Natural Gas pipeline have been fully completed and that no other work shall be executed in the afore mentioned land piece belonging to me,

DECLARE THAT my land piece, as well as any existing therein structures, which were damaged or destroyed during construction works, have been fully and satisfactorily reinstated by Contractor and I have not any further claim to him.

The Landowner / Cultivator

Contractor

.....  
(signature)

.....  
(signature)

Σήμερα την ..... ο κάτωθι υπογεγραμμένος ..... με Α.Δ.Τ. .... μετά τη ρητή δήλωση του Αναδόχου ότι οι δραστηριότητες του για την κατασκευή του αγωγού Φ.Α. περατώθηκαν πλήρως, και ότι ουδεμία άλλη εργασία πρόκειται πλέον να πραγματοποιηθεί στο παραπάνω αναφερόμενο αγροτεμάχιο μου,

ΔΗΛΩΝΩ ΟΤΙ το αγροτεμάχιο μου, καθώς και οι τυχόν υπάρχουσες εντός αυτού κατασκευές, που εβλάβησαν ή καταστράφηκαν κατά τη διάρκεια των εργασιών, αποκαταστάθηκαν πλήρως και ικανοποιητικά και ουδεμία άλλη απαίτηση έχω από αυτόν.

Ο φερόμενος Ιδιοκτήτης ή Καλλιεργητής

Ο Ανάδοχος

.....  
(υπογραφή)

.....  
(υπογραφή)