

PUBLIC GAS CORPORATION OF GREECE (DEPA S.A.)

System expansions upon Environmental Permits as at 31.05.2006

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## **CORINTH H.P.B (High Pressure Branch)**

### **Non Technical Summary**

#### ***Project's report***

The Corinth H.P.B consists of the following two sections:

- a) Buried pipeline with 41.5Km length and 30" diameter from Megara to the area of Loutraki in Corinth Prefecture with its installations
- b) Buried pipeline with 1.5Km length and 20" diameter from Agii Theodori to Motor-Oil Refinery with its installations.

During operating phase the above pipelines will supply the industrial area of Korinthos, the Refinery of Motor-Oil in Agii Theodori and the consumers of the city of Loutraki covering the local energy demands.

#### ***Pipeline routing – Location***

The criteria for the selection of the pipeline routing were the safety of the populations, the safety of the ecosystems, the ground flatness, the minimization of the pipeline length and the construction time and cost. These criteria were also applied in the construction of all the High Pressure pipelines of DEPA's Natural Gas Transmission System in Greece.

The pipeline routing follows West – South West direction between West Attica area and the Eastern area of Korinthos Prefecture. The biggest part of the pipeline is passing through grounds with big slopes, while a small part of the pipeline in the regions of Megara and Agii Theodori is passing through flat grounds with regular slopes.

This routing has been selected as the best one in comparison with the two (2) alternative north and south routings. The proposed pipeline route is passing through Municipality of Megara in West Attica and Municipalities of Agii Theodori and Loutraki in Corinth Prefecture.

The only interference of the pipeline routing with environmentally protected areas is the two sections of the pipeline with length 500m each which cross the South boundary of the protected area "GERANIA MOUNTAIN-GR 2530005- NATURA 2000" through the existed road.

#### ***Alternative routings***

Two (2) alternative pipeline routings have been examined thoroughly and described in chapter 5.4 of the Environmental Impact Assessment Study. These routings are located northerly and southerly from the selected routing and appeared in the map (scale 1:50000) of the Hellenic Army Geographical Service.

The north alternative routing follows west direction from the city of Megara to Loutraki city through the protected area of "GERANIA MOUNTAIN-GR 2530005- NATURA 2000". The south alternative routing is passing along the old national road from Athens to Corinth while a big part of the pipeline routing is passing through the surrounding area of Megara Municipality. The pipeline routing as substantiated in Chapter 5.4 of the Environmental Impacts Assessment Study appeared more advantageous against the other two therefore it was selected.

### ***Construction Philosophy***

Construction works will be performed within a working zone of 26m width, inside of which the pipeline axis will be staked, trench will be excavated, welding, lower in, backfilling and inspection activities will be performed for all the pipeline sections. For forestall areas and special cultivations the width of the working zone is reduced to 16m. The preparation of the working zone can be realized with the application of the land easement procedure along the pipeline routing with the specific width of the working zone based on the cadastral tables and drawings.

### ***Reinstatement and protection measures***

After the completion of the works the working zone will be reinstated in its original condition. The reinstatement works beyond the works within the working zone refer to the reinstatement of the pipeline crossings with physical / technical obstacles, to the slopes protection, to the replanting of any existing flora and to the aesthetic restoration of the landscape along the pipeline routing.

### ***Conclusions***

The selected pipeline routing is considered the best from environmental point of view in comparison with the examined alternative pipeline routings. The Environmental Impacts Assessment Study which was elaborated for the approval of the Environmental Terms thoroughly checks and evaluates any impact that may be caused by the project execution and proposes all the required protection measures that have to be applied.

## **ENVIRONMENTAL TERMS ISSUE**

The Environmental Terms of the project have already been issued with the Common Ministerial Decision No.101977/07.03.2006 of the Ministers of Environment, Development, Agriculture Development & Foods and Culture.

## **AdG HPB (High Pressure Branch)**

### **Non Technical Summary**

#### ***Project's report***

The AdG High Pressure Branch (HPB) Natural Gas Pipeline consists of a buried pipeline from Mavroneri area up to Antikyra (AdG) area of Viotia Prefecture, with 28Km length and 20" diameter, which is accompanied by some small installations.

During operating phase the above pipeline will supply with Natural Gas the consumers of the areas of Distomo and Antikyra of Viotia Prefecture, among which the most important is the factory "ALUMINIUM OF GREECE" (AdG).

#### ***Pipeline routing – Location***

The criteria for the selection of the pipeline routing were the safety of the populations, the safety of the ecosystems, the ground flatness, the minimization of the pipeline length and the construction time and cost. These criteria were also applied in the construction of all the High Pressure pipelines of DEPA's Natural Gas Transmission System in Greece.

The pipeline routing follows southern direction from Mavroneri area up to coastal areas of Antikyra and Distomo of Viotia Prefecture. The first section of pipeline with a length of 20Km runs through flat or hilly grounds, while the last section with a length of 8 Km runs through mountainous grounds with big slopes.

The pipeline routing passes 0.5Km easterly of Mavroneri Community and 2 Km easterly of Distomo town.

There is no interference of the pipeline routing with environmentally protected areas

#### ***Alternative routings***

An alternative partial routing was examined at the section of the pipeline between Kp13+000 – Kp18+000 in the area 4Km northerly of Distomo town. This alternative routing passes through the peak of Kastri hill with elevation 706m. It was rejected because it runs through forestall areas with big slopes.

#### ***Construction Philosophy***

Construction works will be performed within a working zone of 20m width, inside of which the pipeline axis will be staked, trench will be excavated, welding, lower in, backfilling and inspection activities will be performed for all the pipeline sections. For forestall areas special cultivations the width of the working zone is reduced to 14m. The preparation of the working zone can be realized with the application of the land easement procedure along the pipeline routing with the specific width of the working zone based on the cadastral tables and drawings.

#### ***Reinstatement and protection measures***

After the completion of the works the working zone will be reinstated in its original condition. The reinstatement works beyond the works within the working zone refer to the

reinstatement of the pipeline crossings with physical / technical obstacles, to the slopes protection, to the replanting of any existing flora and to the aesthetic restoration of the landscape along the pipeline routing.

### ***Conclusions***

The selected pipeline routing is considered the best from environmental point of view in comparison with the examined alternative pipeline routings.

The Environmental Impacts Assessment Study which was elaborated for the approval of the Environmental Terms thoroughly checks and evaluates any impact that may be caused by the project execution and proposes all the required protection measures that have to be applied.

### ***ENVIRONMENTAL TERMS ISSUE***

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No 33845/11-05-1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine
- b) Decision No 123049/05-03-2004 of the General Secretary of Environment of the Ministry of Environment
- c) Common Decision No 101145/08-02-2006 of the Ministers of Environment, Development and Agricultural Development & Foods.

## ALIVERI H.P.B

### **Non Technical Summary**

#### ***Project's report***

The ALIVERI H.P.B with total length 45.3 Km and diameter 20" (0.508m) consists of the following projects:

- a) Ground buried section of the gas pipeline in Attica Prefecture with total length 17.6Km, with starting point the area 2.5Km north-easterly of Community of Stamata and ending point the coast Mikro Sessi Gramatikou (formerly called Gouriza) in a distance of 5Km north –easterly of the Community of Gramatiko.
- b) Off shore pipeline section in the South Evoikos gulf with total length 17,3 Km, with starting point the coast Mikro Sessi Gramatikou of Attica and ending point the coast Kampos Karavou Aliveriou of Evoia in a distance of 2Km westerly of the town of Aliveri. The off shore section of the pipeline is subject of a separate Preliminary Environmental Impacts Assessment study.
- c) Ground buried section of the gas pipeline in Evoia Prefecture with total length 10.4Km, starting from the coast Kampos Karavou Aliveriou up to the Power Generating Plant of PPC south of the city of Aliveri
- d) Two (2) above ground metering stations adjacent to the Power Generating Plant of PPC in Aliveri
- e) Four (4) below ground installations in the areas of Stamata, Sessi Gramatikou, Karabou Aliveriou and within the area of Power Generating Plant of PPC in Aliveri

#### ***Pipeline routing – Location***

The criteria for the selection of the pipeline routing were the safety of the populations, the safety of the ecosystems, the ground flatness, the minimization of the pipeline length and the construction time and cost. These criteria were also applied in the construction of all the High Pressure pipelines of DEPA's Natural Gas Transmission System in Greece.

The first ground pipeline section in Attica Prefecture with total length 17.6 Km follows northeasterly direction, starting in a distance of 2.5Km northeasterly of the Community of Stamata, runs in a distance of 700m westerly of the Community of Marathona and 500m easterly of the Community of Gramatiko and ends into the coast Mikro Sessi Gramatikou in a distance of 5 Km north easterly of the Community of Gramatiko. This pipeline section is passing through flat grounds with regular slopes except the last three (3) Km where the ground is hilly with increased slopes. The plantation along this pipeline section is either forestall bushy (62%) or agricultural cultivations (38%).

Following, the off shore section with total length 17.3Km in the South Evoikos Gulf follows north direction up to coast Kampos Karavou Aliveriou, but it is scope of work of a separate Preliminary Environmental Impacts Assessment Study.

The final ground pipeline section in Evoia Prefecture with total length 10.4 Km starts in the coast Kampos Karavou Aliveriou in a distance of 2Km westerly of the community of Aliveri, runs 1Km northerly and 1,5Km easterly of the city of Aliveri and ends in the Power

Generating Plant of PPC southerly of the city of Aliveri. This pipeline section runs through flat and hilly areas with plantation either forestall bushy (61%) or agricultural cultivations (39%).

The pipeline routing passes environmental protected areas only in the first section with length 4.5Km which is the area in the north easterly limit of the protection zone of Penteli mountain (ΦΕΚ-755/Δ/88) north easterly of Community of Stamata.

Even in this area no damage to the ecosystems is expected.

For the rest ground and off shore pipeline sections no interference with environmental protected areas is encountered.

### ***Alternative routings***

Two (2) alternative pipeline routings have been examined thoroughly and described in chapter 5.4 of the Environmental Impacts Assessment Study and appeared in the map (scale 1:50000) and briefly described below:

#### a) Alternative Routing ΑΦΑ-1

The Alternative Routing ΑΦΑ-1 runs easterly from the proposed routing and is defined as follows:

##### 1. Ground Section in Attica

Starting Point is the same with the one of the proposed routing, it runs in a distance 350m southerly of the city of Marathonas, 500m easterly of Ano Souli, 2,5 Km easterly of Grammatiko and ends in the coast Mikro Sessi Gramatikou in a distance of 200m easterly of the proposed routing.

##### 2. Off Shore Section

The off shore section of the pipeline differentiates from the proposed routing in the area of Akrotiri Aliveri up to coast Mitika, which is defined as the south easterly limit of Aliveri bay in a distance of 4 Km southerly of Aliveri

##### 3. Ground Section in Evoia Prefecture

It runs 200m easterly of Milakio, 600m northerly of Anthoupoli and ends in the Power Generating Plant of PPC southerly of Aliveri

#### b) Alternative Routing ΑΦΑ-2

The Alternative Routing ΑΦΑ-2 runs westerly of the proposed routing in the ground section of Attica, easterly of the proposed routing in the off shore section and southerly of the proposed routing in the ground section of Evoia and is as follows:

##### 1. Ground Section in Attica

Starting Point is the same with the one of the proposed routing, and it runs in a distance 1300m north-westerly of Marathonas, 500m northerly of Grammatiko and ends in the coast of the Community Sessi Grammatiko in a distance of 5.3Km north

easterly of the Community of Grammatiko and in a distance of 500m north westerly of the proposed routing.

## 2. Off Shore Section

The off shore section of the pipeline except of a small part in the coast of Sessi Grammatikou runs easterly of the proposed routing. The major difference is related with the ending point of the off shore section in the coast of Portmos Karavou which defines the west limit of Aliveri bay in a distance of 2Km southerly of the city of Aliveri.

## 3. Ground Section in Evoia Prefecture

The ground section is located southerly of the proposed routing and runs through the southern housing estate area of Aliveri and the northern housing estate area of Karavou and ends in the Power Generating Plant of PPC southerly of the city of Aliveri.

### ***Construction Philosophy***

Construction works will be performed within a working zone of 26m width, inside of which the pipeline axis will be staked, trench will be excavated, welding, lower in, backfilling and inspection activities will be performed for all the pipeline sections. For forestall areas and special cultivations the width of the working zone is reduced to 16m. The preparation of the working zone can be realized with the application of the land easement procedure along the pipeline routing with the specific width of the working zone based on the cadastral tables and drawings.

The off shore section will be welded on floating platform and will be submerged in the bottom of the sea.

### ***Reinstatement and protection measures***

After the completion of the works the working zone will be reinstated in its original condition. The reinstatement works beyond the works within the working zone refers to the reinstatement of the pipeline crossings with physical / technical obstacles, to the slopes protection, to the replanting of any existing flora and to the aesthetic restoration of the landscape along the pipeline routing.

### ***Conclusions***

The selected pipeline routing is considered the best from environmentally point of view between the examined two (2) alternative pipeline routings.

The Preliminary Environmental Impacts Assessment Study thoroughly checks and evaluates any impact that may be caused by the project execution and proposes all the required protection measures that have to be applied and concludes for positive evaluation of the Preliminary Environmental Impacts Assessment Study.



## **ENVIRONMENTAL TERMS ISSUE**

The Environmental Terms of this project have not been issued yet, but DEPA has submitted the relevant Environmental Impacts Assessment Study for approval to the Ministry of Environment since 24-05-2006

## THESSALIA W (WEST) H.P.B AMPELIA-KARDITSA-TRIKALA

### **Non Technical Summary**

#### ***Project's report***

The Thessalia w (west) High Pressure Branch has been designed with diameter 10" (254mm) and total length 71,5 Km and consists of the following projects:

- a) Buried pipeline with 71.5Km length with starting point DEPA's O&M facilities in Ampelia of Larissa, located seven (7) Km easterly of the city of Farsala and ending point the area located 3.5Km southeasterly of the city of Trikala. Construction of two (2) Scraper Traps at the starting and ending point of the pipeline has been foreseen.
- b) Three (3) below ground valve stations which will be located at the areas of Farsala-Enipea, Gorgoviton, Karditsa and Trikala.

#### ***Pipeline routing – Location***

The criteria for the selection of the H.P.N.G pipeline routing were the safety of the populations, the safety of the ecosystems, the ground flatness, the minimization of the pipeline length and the construction time and cost. These criteria were also applied in the construction of all the High Pressure pipelines of DEPA's Natural Gas Transmission System in Greece.

The pipeline routing at the first forty nine (49) Km up to the city of Karditsa follows West direction and then North - North West up to the ending point in the city of Trikala. The pipeline is passing through flat grounds with slopes less than ten per cent (10%) consisting of cultivated areas with extensive irrigation / drainage network while extensive development of natural drainage (rivers, ditches, streams) composing the hydrographic networks of west Thessalia (Farsaliotes, Kalentzes, Mega Rema) is encountered.

Along the pipeline route a lot of villages, towns (Sofades, Farsara, Proastio, Agnantero) and cities (Karditsa, Trikala) are located in an average distance of three (3) Km from the pipeline routing, which is considered safe in relation with the human activities along the pipeline routing.

The routing passes 2.5Km northerly of the city of Farsala, 0.7Km southerly of Mega Evedrio, 1.5Km northerly of Stavros, 3 Km northerly of the town of Sofades, 1.5Km southerly of Gorgovites, 0.8Km northerly of the city of Karditsa, 1.0 Km easterly of Agnantero and ends in the location 3.5Km southeasterly of the city of Trikala.

According to administrative divisions the first 22 Kms of the pipeline routing belong to Prefecture of Larissa, the next 44 Kms to Prefecture of Karditsa and the last 5.5Kms to Prefecture of Trikala.

The average above sea elevation of the pipeline routing is approximately 120-140m. The pipeline routing has no interference with environmentally protected areas, with areas with special land uses or geologically unstable areas.

### ***Alternative routings***

Two (2) alternative pipeline routings have been examined in parallel with the proposed routing and described in chapter 5.4 of the Environmental Impacts Assessment Study and appeared in the relevant maps (scale 1:50000).

The alternative routings can be briefly described as follows:

a) Alternative Routing ΑΦΑ-B (Northerly Alternative or ΑΦΑ1- ALT1)

The alternative routing ΑΦΑ-B is located along its entire length northerly of the proposed pipeline routing in a distance of approximately 3 Kms. This routing runs 0.7Km northerly of Megalo Evidrio, 1.0Km southerly of Eperia, 0.7 Km northerly of Mataraga and 0.8 Km northerly from the city of Karditsa. At the pipeline position Km49, northerly from the city of Karditsa, the alternative routing coincides with the proposed routing and then deviates and runs 0.7 Km easterly of Ag. Triada, 0.5Km westerly of Proastio, 0.3Km northerly of Glinos and ends in the area 3.5Km south easterly of the city of Trikala.

b) Alternative Routing ΑΦΑ-N (Southerly Alternative or ΑΦΑ2- ALT2)

The alternative routing ΑΦΑ-N is located along its entire length southerly of the proposed pipeline routing in a distance of approximately 3 Kms. This routing runs 0.3Km northerly of the city of Farsala, 0.5Km southerly of Stavros, 0.5 Km southerly of the city of Sofades and coincides with the proposed routing in the area 0.8Km northerly of the city of Karditsa (49.0 Km).

Next, the pipeline routing deviates westerly and runs 0.2 Km northerly of Karditsomagoula, 0.3Km westerly of Agnantero and ends in the area 3.5Km south easterly of the city of Trikala.

### ***Construction Philosophy***

Construction works will be performed within a working zone of 16m width, inside of which the pipeline axis will be staked, trench will be excavated, welding, lower in, backfilling and inspection activities will be performed for all the pipeline sections. In areas with special cultivations the width of the working zone can be reduced to 12m. The preparation of the working zone can be realized with the application of the land easement procedure along the pipeline routing with the specific width of the working zone based on the cadastral tables and drawings.

### ***Reinstatement and protection measures***

After the completion of the works the working zone will be reinstated in its original condition. The reinstatement works beyond the works within the working zone refer to the reinstatement of the pipeline crossings with physical / technical obstacles, to the slopes protection, to the replanting of any existing flora and to the aesthetic restoration of the landscape along the pipeline routing.

### **Conclusions**

The selected pipeline routing ΑΦΑ-Π is considered the best from environmental point of view in comparison with the examined two (2) alternative pipeline routings.

The Preliminary Environmental Impacts Assessment Study thoroughly checks and evaluates any impact that may be caused by the project execution and proposes all the required protection measures that have to be applied and concludes for positive evaluation of the Preliminary Environmental Impacts Assessment Study.

### **ENVIRONMENTAL TERMS ISSUE**

The Environmental Terms of this project have not been issued yet, but DEPA has submitted the relevant Environmental Impacts Assessment Study for approval to the Ministry of Environment since 09.06.2006.

PROJECT: ELPE M Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The ELPE Metering (M) Station (70 bar) is essential installation for supply Natural Gas from the "High Pressure Branch Natural Gas Pipeline (70 bar) EKO (NORTH THESSALONIKI)" to the Power Generating Unit 400 MW of ELPE (HELLENIC PETROLEUM S.A.) at the area of DIAVATA of Thessaloniki Prefecture.

The main function of this Station is the measurement of the distributing quantities of Natural Gas.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 120 sq.m. in area and 6 m in height.
- b) In a building with a roof of reinforced concrete, which is 120 sq.m. in area and 6 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the EKO DIAVATA Line Valve (L/V) Station of "High Pressure Branch Gas Pipeline EKO DIAVATA, which is located 9 km northwesterly of the centre of Thessaloniki city.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: MOTOR OIL M Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The MOTOR OIL Metering (M) Station (70 bar) is essential installation for supply Natural Gas from the "High Pressure Natural Gas Pipeline (70 bar) to Korinthos Area" to the refinery MOTOR OIL at the area of Agioi Theodori of Korinthos Prefecture.

The main function of this Station is the measurement of the distributing quantities of Natural Gas.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 120 sq.m. in area and 6 m in height.
- b) In a building with a roof of reinforced concrete, which is 120 sq.m. in area and 6 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the MOTOR OIL refinery, which is located 7 km westerly of Agioi Theodori Municipality.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with Common Decision No. 101977/07.03.2006 of the Ministers of Environment, Development, Agricultural Development & Foods and Culture, in common with the project "High Pressure Natural Gas Pipeline to Korinthos Area".



PROJECT: KATERINI M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Katerini Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Katerini Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Katerini (Peristassi) Line Valve (LV) Station of the Main High Pressure Gas Pipeline, which is located 4 km easterly of the centre of Katerini city of Pieria Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: THIVA M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Thiva Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Thiva Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Thiva Line Valve (LV) Station of the Main High Pressure Gas Pipeline, which is located 4 km southerly of the centre of Thiva city of Viotia Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

#### 5. Conclusions of the approved Environmental Impacts Assessment Study

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

#### 6. Environmental Terms Issue

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: SERRES M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Serres Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Serres Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 150 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Serres (Mitroussi) Line Valve (L/V) Station of the Kavala Branch High Pressure Gas Pipeline, which is located 4 km southwesterly of the centre of Serres city of Serres Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: DRAMA M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Drama Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Drama Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Fotolivos (Alistrati) Line Valve (L/V) Station of Kavala High Pressure Branch Gas Pipeline, which is located 15 km southwesterly of the centre of Drama city of Drama Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.



PROJECT: KILKIS M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Kilkis Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Kilkis Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 150 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Drimos Line Valve (LV) Station of the Main High Pressure Gas Pipeline, which is located 1,5 km northerly of Drimos Community of Thessaloniki Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: LAMIA M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Lamia Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Lamia Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Lamia Line Valve (LV) Station of the Main High Pressure Gas Pipeline, which is located 2 km southeasterly of the centre of Lamia city of Fthiotida Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the following Decisions:

- a) Common Decision No. 33845/11.05.1994 of the Ministers of Environment, Development, Agricultural Development & Foods, Culture and Mercantile Marine.
- b) Decision No. 123049/05.03.2004 of the General Secretary of Environment of the Ministry of Environment.
- c) Decision No. 182136/05.01.2005 of the General Secretary of Environment of the Ministry of Environment.

PROJECT: XANTHI M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Xanthi Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Xanthi Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 150 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Xanthi Line Valve (L/V) Station of Komotini High Pressure Branch Gas Pipeline, which is located 7 km southerly of Xanthi city of Xanthi Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the Common Decision No. 69288/20.03.1998 of the Ministers of Environment, Development, Agriculture Development & Foods and Culture.

PROJECT: KOMOTINI M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Komotini Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Komotini Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Kosmio Line Valve (L/V) Station of Komotini High Pressure Branch Gas Pipeline, which is located 3 km southerly of Komotini city of Rodopi Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the Common Decision No. 69288/20.03.1998 of the Ministers of Environment, Development, Agriculture Development & Foods and Culture.



PROJECT: CORINTH M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Corinth Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Corinth VI.PE. (Industrial Zone) Natural Gas Distribution Network and through it to local small industries.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 100 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be located 7 km westerly of Agioi Theodori Municipality of Corinth Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the Common Decision No. 101977/07.03.2006 of the Ministers of Environment, Development, Agriculture Development & Foods and Culture.

PROJECT: KARDITSA M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Karditsa Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Karditsa Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Karditsa Line Valve (L/V) Station of the "Thessalia West (W) High Pressure Branch", which is located 3 km northeasterly of the centre of Karditsa city of Karditsa Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have not been issued yet, but DEPA has submitted the relevant Environmental Impacts Assessment Study for approval to the Ministry of Environment since 09.06.2006.

PROJECT:           TRIKALA M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Trikala Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Trikala Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 100 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Trikala Line Valve (L/V) Station of the "Thessalia West (W) High Pressure Branch", which is located 4 km southeasterly of the centre of Trikala city of Trikala Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have not been issued yet, but DEPA has submitted the relevant Environmental Impacts Assessment Study for approval to the Ministry of Environment since 09.06.2006.

PROJECT: ALEXANDROUPOLIS M/R Station

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Alexandroupolis Metering/Regulating Station (70/19 bar) is essential installation for supply Natural Gas from the High Pressure Natural Gas Transmission System (70 bar) to Alexandroupolis Natural Gas Distribution Network and through it to local small industries and houses.

The main functions of this Station are the measurement of the distributing quantities of Natural Gas, the odouring of it and the reduction of the pressure of the Natural Gas to 19 barg.

The installations of this Station are sheltered as follows:

- a) Under a shelter of 150 sq.m. in area and 7 m in height.
- b) In a building with a roof of reinforced concrete, which is 150 sq.m. in area and 4 m in height.

The Basic Design of this Station complies with the relevant requirements of the following Regulations: EN 1776, ANSI/ASME B.31.8, applied Greek Regulations, DIN, etc.

### 2. Locations of the Station

The Station will be installed within the area of the Alexandroupolis Line Valve (L/V) Station of the "High Pressure Gas Pipeline Komotini – Alexandroupolis (Antheia)", which is located 5,5 km northeasterly of Alexandroupolis city of Evros Prefecture.

### 3. Construction Philosophy

Construction Works include erection of a building with reinforced concrete, welding of the pipelines and installing mechanical and electrical instruments.

All the construction works will be supervised and inspected by third parties qualified institutions.

### 4. Reinstatement and Protection Measures

Due to safety reasons (avoiding fire hazard) no replanting of the existed flora within the area of the Station will be done.

However, trees will be planted close to the boundaries of this station, which will be in harmony with the surrounding landscape.

5. **Conclusions of the approved Environmental Impacts Assessment Study**

No adverse environmental impacts are expected during the operating stage of this Station. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

6. **Environmental Terms Issue**

The Environmental Terms of this project have already been issued with the Common Decision No. 84611/24.12.2002 of the Ministers of Environment, Development, Agricultural and Development & Foods in common with the project "High Pressure Gas Pipeline Komotini – Alexandroupolis (Antheia)".



PROJECT: Inofyta & Evia MPTS (Marine Crossing at the Straits of Avlida)

## NON-TECHNICAL SUMMARY

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### 1. Project's Report

The Marine Crossing at the Straits of Avlida of the "Inofyta & Evia MPTS" is essential Section for the Expansion of the Natural Gas Distribution System from Inofyta area of Viotia Prefecture up to Evia island (Prefecture), in order for local small industries and houses to be supplied with Natural Gas.

This Submarine Section of the Project consists of a buried gas pipeline with a length of 820 m and a diameter of 14". This pipeline section will be installed with the application of the "Horizontal Directional Drilling Method (HDDM)".

### 2. Location

The Marine Crossing at the Straits of Avlida of the "Inofyta & Evia MPTS" will take place between the seashore area of Faros Avlidas and seashore part of Ag. Nikolaou road of Ag. Nikolaos village of Lilandion Municipality of Evia Prefecture.

The criteria for the selection of this location were the safety of the populations, the protection of the environment and minimization of the submarine pipeline length and the construction time and cost.

Geological investigation and Seismic Study have already been executed and they have concluded that this location is suitable for the project.

### 3. Alternative methods and routing

The alternative method "Bottom pull method" has been examined and it has been rejected due to safety reasons, adverse environmental impacts, troubles to mercantile marine and long construction period.

Also, two (2) alternative exit points of the submarine gas pipeline at Evia island were examined at distances 250 m and 750 m southerly of the selected one and were rejected because they are located within Ag. Nikolaos village area.

#### 4. Construction Philosophy

The "Horizontal Directional Drilling Method (H.D.D.M.)" which will be applied includes the following stages:

- a) Drilling of the hole with use of drilling machine and bentonite as lubricant
- b) Welding of the total length of submarine pipeline
- c) Pull back of the submarine pipeline in the hole
- d) Reinstatement of the working cites.

#### 5. Conclusions of the relevant Environmental Impacts Assessment Study

No adverse environmental impacts are expected during the operating stage of this project. The adverse environmental impacts during the construction will be insignificant and reversible.

There is no interference with environmentally protected areas.

#### 6. Environmental Terms Issue

The Environmental Terms of this project have not been issued yet, but DEPA has submitted the relevant Environmental Impacts Assessment Study for approval to the Ministry of Environment since 15.06.2006.