

1. INTRODUCTION

This Environmental Management Report is the eight approach of the Construction J/V's "Central Greece (E65) Motorway" Environmental Management Process and has been drawn up in the context of its contractual obligation deriving from Article 13.3 paragraph (b) [11.2.2 (ii) of the Concession Agreement 3597/20-07-2007 - OGG 168A/25-07-2007], as already amended by Law 4219/2013 (OGG 269A/11.12.2013) for the approved environmental terms of the project pursuant to which:

"The bulletin determined by the Project's Approved Environmental Terms shall be submitted by the project construction or operation body to ΕΥΠΕ/ΥΠΕΧΩΔΕ by January 31st of each year.

- *The course of the construction of the projects, along with detailed documentation on the environmental terms compliance*
- *Sections of the project already received or operate*
- *Licenses or approvals given in accordance with the terms hereof*
- *Designs commissioned, qualitative and quantitative financial data, for the environmental protection projects as well as the percentage of the expenditure for these projects in relation to the total cost for the construction of the project.*
- *Anti-pollution projects control and environmental protection to be made next year*
- *Summary results of the noise, air pollution, water quality and wildlife (wolf) monitoring program. Problems encountered, unforeseen situations and any information or suggestion that could be useful to mitigate any adverse environmental impacts from the construction or operation of the project."*

This Annual Environmental Management Report refers to 2016, as regards the contractual scope of the Construction Consortium "Central Greece Motorway (E65)", as set out in Law 4219/2013 "Ratification of the Amendment Agreements of Concession Agreements for major road projects and legislation on related issues" and the amended Design – Construction Agreement. The projects contained in the first period "Design - Construction T1 Period" (see Section 2.1 above) constitute the scope of the construction.

However, as regards the fuller presentation and monitoring of the Project evolution, key elements of the Project are set out as a whole in many cases.

1.1 DESCRIPTION OF THE PROJECT

State: Hellenic Republic

Concessionaire: CENTRAL GREECE MOTORWAY S.A.

Constructor: CENTRAL GREECE MOTORWAY (E65) J/V

Independent Engineer: URS - OMEK

The scope of the project¹ includes the “Design – Construction – Financing – Operation - Maintenance and Exploitation of Central Greece Motorway E65” for thirty (30) years in accordance with the respective Concession Agreement:

- (i) “Central Greece” Motorway with a length of 190,5² km from PATHE semi-junction to Egnatia I/C.
- (ii) PATHE motorway with a total length of approximately 57 km from Skarfia to Raches section.

The project is a part of the Trans-European Networks (TEN).

It serves international traffic portals in Volos, Igoumenitsa, Kristallopigi and Niki as well as the trans-regional traffic.

The Central Greece Motorway (E65) starts from the intersection at the PATHE motorway (CH. 203+000) and ends at Egnatia Odos, crossing the prefectures of Fthiotida, Karditsa, Trikala, Grevena.

It consists of two lanes per traffic lane as well as of an emergency lane. The width of the motorway in sections CH. 0+000 – CH. 19+000 and CH. 61+500 – CH. 130+600 is 23.30 m. with a central islet with a New Jersey safety barrier and planting, while as for the sections CH. 19+000 – CH. 61+500, CH. 130+600 – Egnatia I/C is 22,00 m. with a side New Jersey safety barrier on the central islet.

The design speed is 120km/h in the lowland areas and 110km/h in the mountainous regions.

It includes:

¹ The scope of the Project in this section describes the project as a whole, as described in Law 4219/2013.

² The length of the motorway, considering the submitted EIS for the Northern variant in the last section of the motorway (i.e. from CH. 148+110 approximately up to the connection with Egnatia Odos) amounts to 181,5 km.

1. 24 Junctions

A. PATHE motorway (State New Section) and 57 km on length

7 Junctions

- Molos I/C at CH. 5+500
- Thermopiles I/C at CH. 18+000
- Roditsa I/C at CH. 27+500
- Ag. Paraskevi I/C at CH. 32+500
- Ag. Marina I/C at CH. 38+200
- Stylida – Karavomilos I/C at CH. 47+000
- Raches I/C at CH. 57+000

Furthermore, two semi-junctions, integrated with E65 motorway, are constructed as follows:

- PATHE semi-junction ~ CH. 22+000
- Anthili semi-junction ~ CH. 26+500

B. E65 motorway 17 Junctions³

- PATHE semi-junction at CH. 0+000
- Lamia I/C at CH. 5+900
- Anthili semi-junction integrated with Lamia I/C
- Karpenissi I/C 14+150
- Ksiniada I/C at CH. 32+270
- Smokovo semi-junction at 48+100
- Anavra I/C at 60+250
- Sofades I/C at 71+900
- Karditsa I/C at 80+400
- Proastio I/C at 97+000
- Loggos I/C at 105+980
- Trikala I/C at 110+940
- Vassiliki I/C at 122+780
- Kalampaka I/C at 135+450
- Grevena I/C at 143+390
- Karpero I/C ~ 169+000
- Egnatia I/C ~ 190+500

³ Taking into consideration the submitted EIs of the north variant of section 3rd, the junctions of E65 Motorway amounts to 18, since the Oksinia I/C is added on CH. 149+500, and Karpero and Egnatia I/Cs are located on CH. 160+100 and 181+460 of the alignment of the above EIS.

2. 6 Frontal & 16 Lateral Toll Stations

a. Frontal toll stations

E-65 motorway

- Karpenissi – Ksiniada at CH. 17+000
- Anavra – Sofades at CH. 66+650
- Proastio – Trikala at Ch. 108+500
- Karpero – Egnatia Odos at Ch. 190+000⁴

PATHE Motorway

- Molos –Thermopiles at CH. 10+000
- Ag. Paraskevi – Raches at CH. 35+000

b. Lateral toll stations

E – 65 motorway

- 2 to Anavra I/C at CH. 60+250
- 2 to Proastio I/C at CH. 97+000
- 2 to Trikala I/C at CH. 110+940
- 2 to Kalampaka I/C at CH. 135+450

PATHE motorway

- 2 to Molos I/C at CH. 5+300
- 2 to Thermopiles I/C at CH. 18+200
- 2 to Ag. Paraskevi I/C at CH. 32+200
- 2 to Ag. Marina I/C at CH. 38+500
- 2 to Karavomilos I/C at CH. 46+700

3. 5 Motorist Service Stations (MSS)

- Lianokladi at CH. 12+400
- Ksiniada at CH. 43+200
- Sofades at CH. 69+950
- Trikala at CH. 116+600
- Karpero ~ CH. 164+000⁵

⁴ Taking into consideration the submitted EIS of the north variant of section 3rd, the frontal toll station is approximately located on CH. 181+460 of the alignment of the above EIS.

⁵ Taking into consideration the submitted EIS of the north variant of section 3rd, the Karpero MSS is approximately located on CH. 162+210 of the alignment of the above EIS.

4. 3 Operation & Maintenance Centers

(Maintenance, Fire Brigade and Police Buildings)⁶

- Lianokladi at CH. 12+400
- Sofades at CH. 69+950
- Trikala at CH. 116+000

5. 4 Tunnels

- Tunnel T2 of a length of 2.983 m at CH. 26+800
- Tunnel T3A of a length of 113 m at CH. 45+600
- Tunnel T3 of a length of 387 m at CH. 46+000
- Tunnel O/E of a length of 264 m at CH. 137+000
- Old National Road Tunnel of a length of 65 m at CH. 137+100 on the lateral road
- Tunnel T4N of a length of 300 m at CH. 159+500⁷

6. 27 Bridges > 50 m⁸

- Tunnel of an approximate length of 102 m. at CH. 20+936
- Tunnel of an approximate length of 89 μ (A) και 68 m. (Δ) at CH. 21+513
- Tunnel of an approximate length of 122 m. at CH. 24+025
- Tunnel of an approximate length of 67, 50 m. at CH. 24+700
- Tunnel of an approximate length of 137 m. at CH. 25+365
- Tunnel of an approximate length of 310 m. at CH. 26+475 (A), 241 m. at CH. 26+450 (Δ)
- Tunnel of an approximate length of 92 m. at CH. 31+750
- Tunnel of an approximate length of 70 m. at CH. 48+256
- Tunnel of an approximate length of 160 m. at CH. 49+078
- Tunnel of an approximate length of 295 m. at CH. 51+103
- Tunnel of an approximate length of 150 m. at CH. 54+073
- Tunnel of an approximate length of 150 m. at CH. 55+313
- Tunnel of an approximate length of 51.5 m. at CH. 70+420
- Tunnel of an approximate length of 92 m. at CH. 89+919 (Kalentzis river)
- Tunnel of an approximate length of 587 m. at CH. 103+675 (Pinios river)
- Tunnel of an approximate length of 74 m. at CH. 110+509 (Trikala – Larissa N.R.)
- Tunnel of an approximate length of 67 m. at CH. 122+998 (Kalampaka – Larissa N.R.)
- Tunnel of an approximate length of 80 m. at CH. 144+200

⁶ Taking into consideration the submitted EIS of the north variant of section 3rd, the MSS per TCC are 4, since a TCC is added on CH. 162+210 of the alignment of the above EIS.

⁷ Taking into consideration the submitted EIS of the north variant of section 3rd, on CH. 175+860 the construction of a twin tunnel with a total length of 340m. for the left branch and another one of a length of 400m. for the right branch is foreseen.

⁸ Taking into consideration the submitted EIS of the north variant of section 3rd, 34 bridges are bigger than 50m.

- Tunnel of an approximate length of 100 m. (A) and 80 m. (Δ) at CH. 145+500
- Tunnel of an approximate length of 50 m. at CH. 149+065
- Tunnel of an approximate length of 100 m. at CH. 149+895
- Tunnel of an approximate length of 50 m. at CH. 152+511
- Tunnel of an approximate length of 55 m. at CH. 153+910
- Tunnel of an approximate length of 150 m. at CH. 155+420
- Tunnel of an approximate length of 150 m. at CH. 169+385
- Tunnel of an approximate length of 275 m. at CH. 171+935
- Tunnel of an approximate length of 700 m. at CH. 189+695

The Motorway also includes over and under-passes, support walls, drain-pipes, motorist service stations, etc.

The sections of the C.A. Project are divided into sixteen (16) Geographical Units (GU); 11 units on Central Greece Motorway E-65 and 5 units on PATHE motorway. For each Geographical Unit, the physical object is analysed into Groups of similar operations in the Partial Section Bi Price of Designs - Constructions.

The New State Sections that are already being constructed by the State and that, after their completion, will be incorporated into the Concession Project are as follows:

S/W	SECTION	Km.
12 S/W	Skarfia - Thermopiles section	17,32
13 S/W	Thermopiles - Sperchios section (except for the ERGOSE bridge which is under construction)	8,50
	Bridge under construction by ERGOSE at Thermopiles - Sperchios section	
14 S/W	Sperchios - Ag. Paraskevi I/C	3,50
15 S/W	Ag. Paraskevi I/C - Ag. Marina Section	8,50
16 S/W	Ag. Paraskevi Marina - Raches section	19,20
	Technical works at PATHE - Lianokladi section which is under construction by ERGOSE	

The approved optimizations with previous Ministerial Decisions differentiating the technical object of the project are listed in the table below⁹:

Optimization	Optimization Category	Section	Environmental Licensing	Ministerial Decision approving Optimization
Typical Cross-section	Modification	0+000 - end	Submitted from 148+135 to the end	8938/30.10.2008
CH. 30	Modification	28+000 - 32+000	Re-submitted (24+500 – 31+212) Request the return of file no. 20297/11.11.14. Request for resubmission of the above file with prot. no. 21335/31.03.15	
CH. 48+000 – CH. 56+000	Modification	48+000 - 56+000	Approved	2036/29.11.2010
Relocation of Kalampaka MSS CH. 132+000 to Trikala MSS CH. 117+000	Modification	117+000 & 132+000	Re-submission	
Loggos semi-junction	New object	105+980	Approved	2036/29.11.2010
Relocation of Trikala frontal toll stations from CH. 108+500 to CH. 105+075	Modification	108+500 & 105+075	Approved	
Lateral road at Ag. Triada frontal toll stations (PATHE) 2.5 km	New object	Ag. Triada frontal toll stations	Approved by EYDE/PATHE	
Widening and rehabilitation of local roads (5 km) Rehabilitation of local road Chaidemeni – Raksa	New object	118+000	Approved	
O/P CH. 63+500	New object	63+500	Approved	
O/P CH. 68+500	New object	68+500	Approved	
O/P CH. 93+500	New object	93+500	Approved	
O/P CH. 102+000	New object	102+000	Approved	
Widening U/P 59.1 (Kedros - Anavra) from 10.50m to 13.00m	Modification	59+900	Approved	
Widening U/P G024 (Karditsomagoula – Ag. Triada - Proastio) from 10.50m to 13.00m.	Modification	96+013	Approved	
Changing cross-section width of 4 culverts	Modification	122+190	Approved	
		122+280	Approved	
Connecting branch towards Ksiniada I/C	New object	32+000	Approved	A/6/00/01/01/20112/ 28.11.2013

⁹ The subject of the construction consortium is taken into consideration only at this stage, which means the projects included in the first period “Design - Construction T1 Period” (see Section 2.1 above).

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Optimization	Optimization Category	Section	Environmental Licensing	Ministerial Decision approving Optimization
Sofades I/C	Modification	71+600 - 72+200	Approved	
Karditsa I/C	Modification	79+500 - 81+500	Approved	

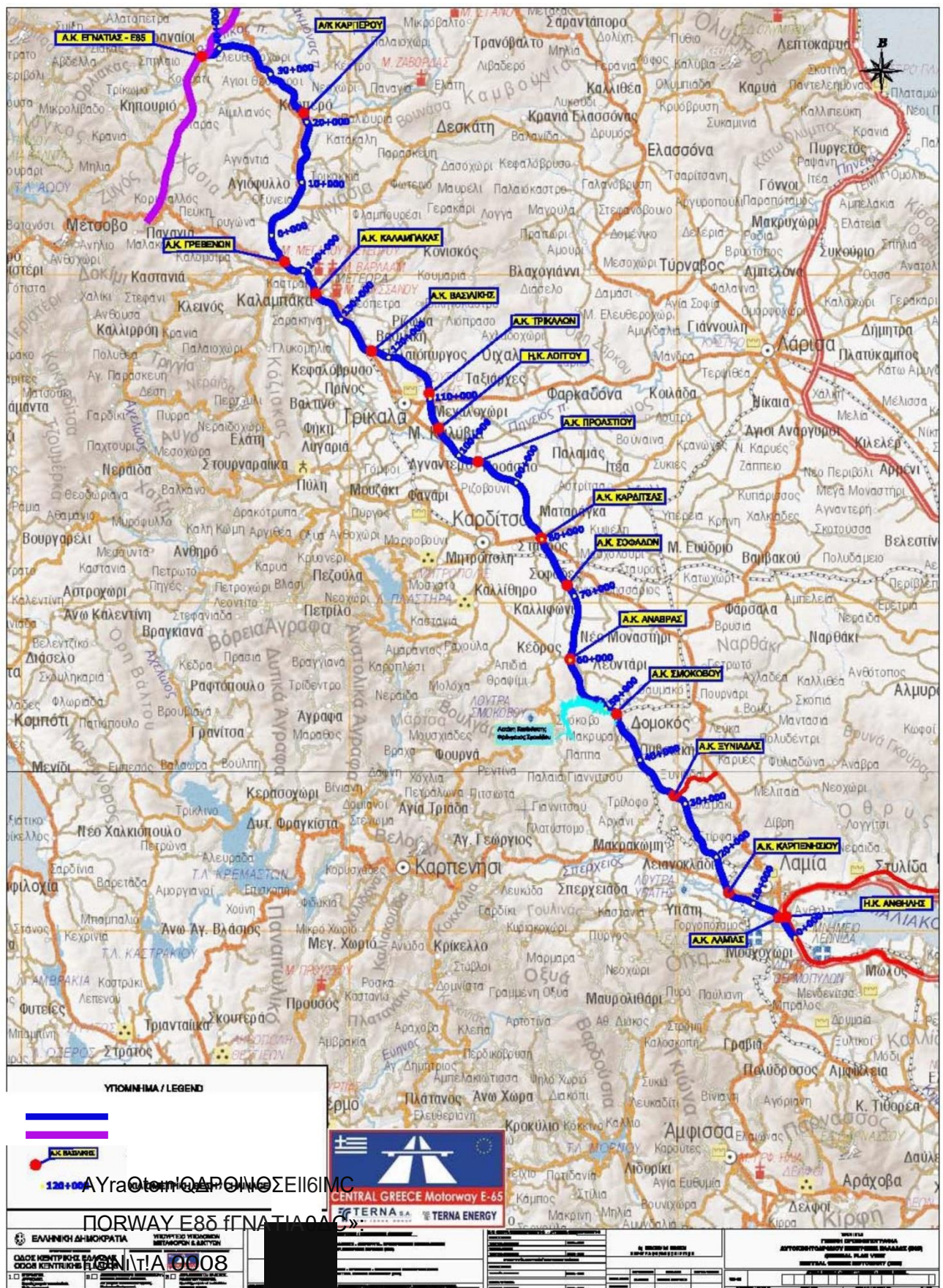
Variations already approved by Egnatia Odos S.A. due to special technical problems are listed in the table below:

Variation	Variation category	Section	Environmental Licensing	Approval Documentation
Ag. Stefanos (archeological site)	modification	31+000 - 33+800	Approved	A214567/30.04.2009 (EOSA) A208744/09.03.2009 (EOSA)
Ksiniada Lake (Organic soils)	modification	36+400 - 39+400	Approved	A214567/30.04.2009 (EOSA)
Railway Station "Aggion"	modification	41+100 - 44+400	Approved	A214567/30.04.2009 (EOSA) A207907/27.02.2009 (EOSA)
Tunnel T3 & T3A	modification	43+000 - 48+000	Approved	A207907/27.02.2009 (EOSA)

CENTRAL GREECE Motorway E-65

TERNA S.A.
MON TERRA GROUP

TERNA ENERGY
GES TERRA GROUP



CENTRAL GREECE MOTORWAY E-65



According to the environmental terms of the project, the Central Greece Motorway (E65) is divided in the following three sections, the PATHE section is divided in five sections (State New Sections), and - based on Law 4219/2013 - the optimization of the road connecting the Lamia – Karditsa National Road with Central Greece Motorway is added in the location of Ksiniada I/C:

Section	ET Road Project Decision	Remarks
Central Greece Motorway (E65)		
<u>Section 1st – (CH. 0+000–CH. 85+800)</u>		
CH. 0+000 – CH. 85+800	JMD ETA 144504/18.11.2005.	Initial Environmental Licensing
CH. 0+000 - CH. 14+500	Decision of YPEKA prot. no. 167266/01.04.2013.	Modification in section CH. 0+000 - CH. 14+500 (excluding Lamia I/C).
CH. 31+212 – CH. 47+313 & CH. 51+483 - CH. 85+000	M.D. 173471/27.06.2014.	Modification of sections CH. 31+212 – CH. 85+000 (excluding section CH. 47+313 – CH. 51+483).
CH. 47+313 – CH. 51+483	M.D. 147997/14.04.2015.	Modification in section CH. 47+313 – CH. 51+483.
CH. 0+000 – CH. 85+800	Decision of YPEN Dir.- Gen. prot. no. 151991/16.12.2015	Extension of the period of validity
CH. 60+250 – CH. 65+660	M.D. 24355/13.05.2016	Environmental Licensing of Anavra I/C Lateral Toll Station and Sofades Frontal Toll Station
CH. 0+000 – CH. 31+212	M.D. 61420/16.12.2016.	Modification of CH. 14+500 – CH. 31+212 and Lamia I/C (CH. 5+500).
<u>Section 2nd – (CH. 85+800 - CH. 137+550)</u>		
CH. 85+800 - CH. 137+550	JMD ETA 145521/18.11.2005.	Initial Environmental Licensing
C-C at CH. 137+000	Decision of YPEKA Env. Gen. Manager prot. No. 203583/04.12.2012.	As regards the construction of the C-C in section CH. 137+000.
CH. 85+800 – CH. 115+100 & CH. 118+043 – CH. 131+475 & CH. 132+420 – CH. 137+550	Decision of YPEKA Env. Gen. Manager prot. No. 172041/26.11.2013.	Modification of section CH. 85+800 - CH. 137+550 (excluding sections CH. 115+100 - CH. 118+043 and CH. 131+475 - CH. 132+420).
CH. 85+800 - CH. 137+550	Decision of YPEN Dir. - Gen. prot. no. 151991/16.12.2015	Extension of the period of validity
<u>Section 3rd – (CH. 137+550 – CH. 175+000)</u>		
CH. 137+550 – CH. 175+000	JMD ETA 147014/18.11.2005.	Initial Environmental Licensing
CH. 137+550 – CH. 175+000	Decision of the YPEN Env. Gen. Manager prot. No. 151991/16.12.2015.	Extension of the period of validity

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KSINIADA CONNECTING ROAD		
From NR Lamia – Karditsa to Ksiniada I/C	Decision of Secretariat Gen. of Decentralized Administration of Thessaly – Central Greece With prot. no. 4644/212888/01.12.2015	Initial Environmental Licensing improving the connecting the NR of Lamia – Karditsa with Central Greece Motorway (E65) at “Ksiniada I/C”, of a total length of 7,8km.
PATHE		
<u>Skarfia – Thermopiles</u> at Skarfia – Lamia of PATHE Motorway		
From Skarfia to Thermopiles (CH. 0+000 – CH. 17+320)	JMD 146113/12.07.2005.	Initial Environmental Licensing
CH. 10+000 & CH. 5+300	Decision EYPE/YPEKA prot. No. 122881/08.03.2010	Environmental Licensing of Ag. Triada frontal toll station & Molos I/C lateral toll station
Upgrading the National Road (NR) to PATHE Motorway at Skarfia – Lamia section, subsection from the beginning of Thermopiles I/C to Nea Kiti Sperchiou		
From Thermopiles I/C to Nea Kiti Sperchiou (CH. 17+320 - CH. 25+820)	KYA 131550/04.05.2003.	Initial Environmental Licensing
CH. 18+000	Decision EYPE/YPEKA prot. No. 121668/08.02.2010	Environmental Licensing of Thermopiles I/C lateral Toll Station
CH. 17+320 - CH. 25+820	MD 146836/05.03.2015	Modification (small modifications) and renewal of AEPO.
Upgrading the National Road (NR)to PATHE Motorway, section from New Kiti Sperchiou (NKS) up to Roditsa I/C		
From NKS to Roditsa I/C (CH. 25+820 - CH. 29+600)	JMD 146109/30.09.2005.	Initial Environmental Licensing
CH. 27+500	Decision of the Director General of DG Environment YPEKA prot. no. 145496/21.05.2015.	Little modifications at Roditsa junction and the adjacent sections.
Upgrading the National Road (NR) Athina – Thessaloniki to PATHE motorway, Lamia – Raches section, subsection from CH. 3+500 to CH. 12+000.		
CH. 29+600 - CH. 38+100	JMD 130665/02.05.2003.	Initial Environmental Licensing Length of 8,5km.
CH. 29+600 & CH. 29+600	JMD 195214/11.01.2011	Environmental Licensing of Mavromantila Frontal Toll Station & Ag. Paraskevi Lateral Toll Station
CH. 29+600 - CH. 38+100	Decision of the YPEN Env. Gen. Manager prot. No. 13590/15.03.2016	Renewal of the initial AEPO and amendment.
<u>Stylida – Karavomilos Total Bypass</u>		
CH. 38+100 – CH. 57+600	JMD 100198/30.05.2006.	Initial Environmental Licensing

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CH. 38+200 & CH. 47+000	Decision EYPE/YPEKA no. 121667/08.02.2010.	Environmental Licensing of Ag. Marina – Stylida I/C Toll Station & Stylida – Karavomilos I/C.
	MD 172866/23.05.2014.	Modification and renewal of AEPO
CH. 18+500	Decision of the YPEN Env. Gen. Manager prot. No. 12757/10.03.2016	Modification of passage of the local road direction toward Neraida

2. GENERAL ISSUES

2.1 BRIEF REPORT

This annual report covers the period from January 01, 2016 to December 31, 2016. The amended Concession Agreement was signed on 28.11.2013 and ratified by the Hellenic Parliament under Law 4219/2013 – OGG A' 269 of December 11, 2013. The Amended Effective Date was set for the 20th of December 2013.

The amended Concession Agreement and the amended Design – Construction Contract of the project provides for the division of the technical object of the Project in two periods:

A. The first period is the “T1 Design – Construction Period” which includes:

As regards the Second Exclusive Partial Deadline:

1. Safety works of the opened up section of the twin T2 tunnel (CH. 27+000) – CH. 30+000)
2. The construction of the frontal toll stations of Mavromantila in PATHE section of the project
3. The preliminary studies for Grevena I/C – Egnatia I/C motorway section
4. The construction works of the motorist service stations (a) in the area of Ag. Triada (2,54 km) and (b) in the areas of SRD6 and SRD6A of Karditsa
5. The construction works of Ag. Triada toll station (PATHE)

At the end of T1 Period:

6. The construction of the motorway section from Ksiniada I/C (CH. 32+270) to Trikala I/C (CH. 110+940).

B. The second period is the “T2 Design – Construction Period” the commencement of which will be determined by ministerial decision and will include part or the total of the sections below:

1. The motorway section from PATHE semi-junction (CH. 0+000) to Ksiniada I/C (CH. 32+270)
2. The motorway section from Trikala I/C (CH. 110+940) to Grevena I/C (CH. 143+390)
3. The motorway section from Grevena I/C (CH. 143+390) to Egnatia I/C

Since the effective date of the amended Concession Agreement and the Design – Construction Contract of the project dated 20/12/2013, the Construction J/V of “Central Greece motorway E65” changed its composition and hereinafter it is consisted by TERNA S.A. and TERNA-ENERGY S.A.

The Concessionaire notified the J/V, with prot. no. EYDE/EP C&W GR A/6/00/01/01/οικ.4336/17.08.15, on the completion of the construction of the Project Differed Section of para. 4.2.2(a) of the Concession Agreement, namely PATHE Semi junction – Ksiniada I/C, according to those specifically provided for in the Concession Agreement on Constructions of D-C T2 Period.

The Concessionaire, with its letter, requested the Independent Engineer to send the Preliminary Assessment of the impact on the Design – Construction Price due to modifications of the Basic Design for the deferred section referred to in the above Ministerial Decision.

The Concessionaire notified the J/V about the Ministerial Decision with prot. no. EYDE/CP C&W GR A/6/00/01/01/οικ.4341/17.08.15 on the completion of the construction of the Project Deferred Section of para. 4.2.2(a) (iii) and (iv) of the Concession Agreement, namely Trikala I/C – Grevena I/C and Grevena I/C A – Egnatia I/C sections, according to those specifically provided for in the Concession Agreement of Constructions of D-C T2 Period.

The Concessionaire requested the Independent Engineer, with its letter, to send a Preliminary Assessment of the impact on the Design – Construction Price due to modifications of the Basic Design for the Deferred Sections referred to in the above Ministerial Decision.

The Concessionaire notified the J/V about the Ministerial Decision with prot. no. EYDE/CP CW GR A/6/00/06/01/οικ.5973/07.12.15 as regards the completion of the construction of the Underpass structure of the Lamia – Frantzi – Gorgopotamos Provincial Road at CH. 9+357,68, rehabilitation - decommissioning of the temporary existing bypass, completion and rehabilitation of the aforementioned Provincial Road in addition to the structure and completion of other works (plumbing, etc.) as part of the T2 period constructions and according to the existing approved studies totaling 1.345.952,83 €.

The J/V firstly accepted the above execution order of the Underpass (U.P. TR9.4 – TE40) completion works of the Lamia – Frantzi – Gorgopotamos Provincial Road at CH. 9+357,68 of the motorway and the relating works amounting to 1.345.952,83€, which forms part of the fixed price of the deferred section from PATHE semi-junction up to Ksiniada I/C of the Design – Construction T2 Period and pointed out that, in the event that the issuance of the Ministerial Decision on the completion of the works of said deferred section is not achieved, the compensation of the J/V on the expense of the works of the provincial road completion estimated by the Design should be foreseen with a respective contractual settlement through the current Project of D-C T1 Period and in accordance with the provisions of the Agreement.

The J/V submitted the documentation of Article 21.4 of paragraph (a) of the Design – Construction Agreement, as amended and in force [paragraph (i) of Article 18.2.2 of the Concession Agreement, as amended and in force], referring to the Second Exclusive Partial Deadline, for the alternative alignment of Grevena I/C – Egnatia I/C section.

The J/V sent a request to issue a Provincial Works WCC for the Underpass of the Lamia – Frantzi – Gorgopotamos Provincial Road at CH. 9+357,68 according to Article 22 of the D-C Agreement and informed on the completion of the construction works as of 27/2/2016.

The Concessionaire, with its respective letter, sent to the Independent Engineer a request to issue a Works Completion Certificate of the Underpass structure of Lamia – Frantzi – Gorgopotamos Local Road at CH. 9+357,68, according to the provisions of the Concession Agreement.

Upon the Concessionaire's relevant request, the Independent Engineer sent – under paragraph 2 of Article 5 of Law 4213/2013, its positive technical assessment for the alternative alignment by the Concessionaire for Grevena I/C – Egnatia I/C section (alignment of Basic Design for the North End of the motorway), which had been submitted by the J/V.

The IE, following the Concessionaire's request, announced its intention to issue a Local Work Completion Certificate for the Underpass structure at CH. 9+357 (Frantzi Bridge) with the indication of de minimis outstanding issues.

The IE issued the Local Works Work Completion Work Certificate No 5 for the Underpass Structure at CH. 9+357 (Frantzi bridge).

The J/V sent a WCC issuance request of the local project for the KO15A vertical road and the SRD3A lateral road and informed that the construction works have been completed.

The Minister of Infrastructure and Transport issued, in accordance with paragraph 2 of Article 5 of Law 4219/2013 (OGG A269), the Ministerial Decision with prot. no. EYDE/ C&W GR CP A/6/00/01/01/οικ.12263/16.12.2016 (ΑΔΑ: ΩΝ3Η4653ΟΞ-7ΟΖ) granting to the Concessionaire the execution - according to those provided for in Article 4.2.3 of the Concession Agreement - of the remaining Constructions of PATHE – Ksiniada I/C Semi-junction Section, totaling three hundred million euros (€ 300.000.000,00), payable per trimester, as well as the achievement of the respective milestone according to the appended Table of T2 Design Construction Price Payment and the execution of Supplementary Works, pursuant to Article 18.6 of the Concession Agreement, for the rehabilitation of the up-to-date fully executed Constructions at the above Price, totalling five million seven hundred thirty five thousand Euros (€ 5.735.000.00) plus revision and VAT under the terms of approval by the competent Services of the European Commission of the State's necessary funding, and the approval of the environmental terms concerning the approved alterations to the Project Basic Design.

2.1.1 Reporting period

At the reporting date of this report (31.12.2016) the main issues of the involved with the Public Utility Networks work are the following:

TABLE OF HIGH-VOLTAGE FAULTS, DECEMBER 2016

S/N	Implementation entity	CH.	Number of Pylons	Identification of Passage - Relocation	Remarks
KSINIADA-TRIKALA SECTION					
1	Independent Power Transmission Operation	110+100	1	Pylon fault 154N of Low voltage network Γ.Μ. 150kV of high voltage	The J/V submitted on 06.12.16 the typical cross-section of the drainage ditch to be constructed between the elements of the foundation of the tower according to the meeting held in the Independent Power Office Transmission
TOTAL		Pylons	1	Passages	1

TABLE OF LOW/AVERAGE-VOLTAGE, DECEMBER 2016

S/N	Implementation entity	CH.	Number of Pylons	Identification of Passage - Relocation
LOW/MEDIUM VOLTAGE/ELECTRICITY				
CH. 29+500 - CH. 111+000				
1	Karditsa HEDNO	63+944 vertical road KO14B	1	Relocation of pylon The J/V by letter on 15.11.16 asked for the immediate relocation of the pylon located within the motorway occupation range of the vertical road KO14B.
GRAND TOTAL OF FAULTS			1	

TABLE OF TELECOMMUNICATIONS – PUOs FAULTS, DECEMBER 2016

S/N	Implementation entity	CH.	Number of Pylons	Identification of Passage - Relocation	Remarks
OTE					
CH. 48+145 – CH. 111+000					
4	Karditsa Hellenic Telecommunications Organisation (OTE)	80+400 Karditsa I/C		Fault for underground network	J/V, by letter on 18.05.16, requested for information for the locations of the network outside the project expropriation zone. Following oral communications, the JV, by letter on 01.11.16, sent an horizontal alignment, where the fault road alignment with the optical fibre network of OTE is shown, and requested for the immediate relocation/protection thereof.

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S/N	Implementation entity	CH.	Number of pylons	Identification of Passage - Relocation	Remarks
5	Trikala Hellenic Telecommunications Organisation (OTE)	109+300-109+500		Relocation of OTE underground and air network	16571/09.05.14 Reference made on the networks' faults with the U/P E-65. Requesting from Egnatia to proceed to their relocation.
6	Trikala Hellenic Telecommunications Organisation	109+300 - 109+500	9	Relocation and protection of OTE network	J/V with its letters on 09.05.14 and 07.09.14 reported the faults of networks with E-65 motorway at section CH. 109+300 - 109+500 and CH. 109+500 respectively and asked for their relocation.
TOTAL		Pylons	9		

INTPAKAT Telecommunications

CH. 48+145 – CH. 111+000

7	INTPAKAT Telecommunications	75+911 Vertical Road KO21		Construction works of the telecommunication network without the J/V's consent	INTRAKAT submitted an application to grant rights of way dated 2/10/15 and supplementary applications dated 7/10/15 and 21/10/15. The J/V replied by letter on 01.10.15. INTRAKAT submitted an application on 28/12/16 for the granting of rights of passage at the intersection of the Provincial Roads of Kedros - Anavra and Filia - Anavra along the Provincial Roads Anavra – Loutra Ketsi, Perivoli - Agios Stefanos, Makrirachi – Panagia and Kalampaka – Kria Vryssi
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WATER SUPPLY

S/N	Implementation entity	CH.	Identification of Passage - Relocation	Remarks
CH. 29+500 - CH. 111+000				
1	Municipality of Ksiniada	31+450-32+000 affects the Ksiniada I/C branches	Relocation of the irrigation network - Abstraction control	424/19.09.2008 Answered by 7312/18. 12. 2008 of the Municipality of Ksiniada (J/V 1185, 07. 01. 2009) Reference made on the networks' faults with the U/P E-65. Requesting from Egnatia to proceed to their relocation.

O.S.E. S.A. Projects

	Implementation entity	CH.	Identification of Passage - Relocation	Remarks
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1	OSE S.A. PROJECTS (ERGOSE)	33+800 Agios Stefanos, Domokos	Faults of medium voltage underground network, electrifying the OTHRIOS tunnel of ERGOSE	<p>Based on the information of the representative of the Subcontracting company of ERGOSE, the J/V sent on 18.10.16 to HEDNO (Hellenic Electricity Distribution Network Operator S.A.) of Lamia a confirmation request of the existence and location of medium voltage underground network, electrifying the tunnel of OTHRIOS of ERGOSE, within the project expropriation zone and its immediate relocation. Following its above letter, the J/V was informed by HEDNO, after an in-situ inspection on 21/10/16 that the section of the network located within the motorway occupation zone is located after the power supply clock and therefore its relocation falls within the concessionaire's responsibility constructing the project of Athens – Thessaloniki New Railway Line. On 27.10.16, J/V sent a letter to ERGA OSE S.A. requesting for the immediate relocation of its network in such a position and height, in order for the construction works to continue at the appointed time. ERGOSE, by letter dated 07.11.16, communicated the J/V's letter to the J/V concessionaire of the projects of the PPP (Public & Private Partnerships) of Tithorea – Domokos and to AKTOR ATE, and requested for the immediate relocation of the network δικτύου ηλεκτροδότησης of the worksite installations.</p>
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2.2 ENVIRONMENTAL REQUIREMENTS

The design, construction and operation of the project are conducted in full compliance with the Approved Environmental Terms as well as with all the requirements that derive from the Concession Agreement (C.A) and the attached contractual documents (Design & Construction Agreement, Special Conditions of Contract (SCC), Technical Conditions of Contract (TCC), Project Design Regulation (PDR)) as well as the applicable legislation.

Basic requirement for the construction of the project is the Law no. 3597/20.07.2007 (OGG 3445A/25.07.2007), as amended by Law 4219/2013 concerning the ratification of the Agreements Amending the Concession Agreements of major road projects and the regulation of all related matters (OGG 269A/11.12.2013), which includes the contractual issues, the current legislation, as detailed in the previous Environmental Management Reports (semi-annual and annual ones), as well as the conditions and restrictions arising from the individual permits and approvals, including the environmental studies of the various individual projects, the approvals of amendments of the main road project, etc., for which the contractor of the Project is responsible.

The 2016 legislative work of YPEKA is set out in the table below.

As regards the Environmental Legislation, the 2016 evolution of YPEKA legislative work is in progress.

Table 2.2-1: Legislative Work 2016

Date	Number	Subject
<u>LAWS & PRESIDENTIAL DECREES</u>		
16.03.2016	P.D. 32/2016 (OGG 46A/31.03.2016)	Definition of scientific criteria and estimated data for the allocation of land in the cases of para. 1, 2 and 5 of Article 3 of Law 998/1979.
12.12.2016	Law 4447/2016 (OGG 241A/23.12.2016)	Spatial planning - Sustainable development and other provisions
<u>DECISIONS & CIRCULARS</u>		
19.01.2016	JMD οίκ. 170766/2016 (OGG 69B/22.01.2016)	Amendment of the Joint Ministerial Decision no. 51354/2641/E103/2010 (B' 1909), in compliance with the provisions of Directive 2013/39/EE "for the amendment of directives 2000/60/EK and 2008/105/EK as regards the priority substances in the water policy" of the European Council and the Council of August 12, 2013 and other provisions"

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11.02.2016	JMD 172058/11.02.2016 (OGG 354B/17.02.2016)	"Determination of rules, measures and conditions to deal with major accident hazards in plants or units due to the presence of hazardous substances in compliance with the provisions of Directive 2012/18/EU "on the control of major-accident hazards involving dangerous substances and amending and repealing Directive 96/82/EC of the Council" of the European Council and the Council of July 4, 2012. Replacement of no. 12044/613/2007 (B376) as corrected (B225 /2007)."
07.03.2016	M.D. 136255/683/2016 (OGG 767B/22.03.2016)	Specification of details for the application of the provision of Article 67 of Law 998/1979, as replaced by Article 39 of Law 4280/2014.
23.05.2016	Decision οικ.66941/1892/2016 (OGG 1589B/06.06.2016) of Regional Vice Governor Western Macedonia	Short-term action plans to address the air pollution in the region of Western Macedonia
02.08.2016	JMD 181627/1185/2016 (OGG 2494B/12.08.2016)	Amendment of Annex II of Unit B' of Article 60 of Law 4042/2012 (A'24), in compliance with directive 2015/1127/EE "for the amendment of Annex II of directive 2008/98/EC of the European Council and the Council for the waste and the repealing of certain directives" of the European Commission of July 10, 2015 and other related provisions"
29.07.2016	M.D. οικ. 181504/2016 (OGG 2454B/09.08.2016)	Drafting, content and management system of the National Producers Register (NPR) – Determination of procedure to record producers, in the framework of the packaging and other products alternative management, according to Articles 7 and 17 of Law 2939/2001 (A 179), as in force.
17.07.2016	M.D. DIPA/οικ. 37674/2016 (OGG 2471B/10.08.2016)	Amendment and codification of the ministerial decision 1958/2012 – Classification of public and private projects & activities into categories and subcategories according to Article 1 paragraph 4 of Law 4014/21.9.2011 (OGG 209/A/2011) as amended and in force.
24.08.2016	JMD 182314/1241/2016 (OGG 2888B/12.09.2016)	Amendment of Annex II of Article 8 of the joint ministerial decision no. 39626/2208/2009 (B' 2075), in compliance with the provisions of directive 2014/80/EE "for the amendment of annex II of directive 2006/118/EK of the European Council regarding the protection of surface water from pollution and degradation" of the European Commission dated June 20, 2014.
19.09.2016	JMD οικ. 43942/4026 (OGG 2992B//19.09.2016)	Organization and operation of Electronic Waste Record (HWR), according to the provisions of Article 42 of Law 4042/2012 (A' 24), as in force.
01.12.2016	JMD οικ. 127402/1487/Φ15/2016 (OGG 3924B/07.12.2016)	Amendment of the joint decision no. 15/4187/266/2012 (B' 1275) of the Ministers of Development, Competitiveness and Shipping and Environment, Energy and Climate Change "Determination of Standard Environmental Commitments, per activity in the License of installation – Operation, for the activities falling within the context of Law 3982/2011 and classified in category B' of Article 1

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Date	Number	Subject
		of Law 4014/2011”
23.12.2016	JMD oik. 62952/5384/2016 (OGG 4326B/30.12.2016)	Approval of National Hazardous Waste Management Plan (NHWMP), according to Article 31 of Law 4342/2015

3. ENVIRONMENTAL MANAGEMENT OF THE PROJECT

3.1 ENVIRONMENTAL MONITORING & CONTROL PROGRAM

The “Environmental Monitoring & Control Program” is based on the environmental terms of the project and on the Concession Agreement and includes the following:

- Prioritisation of protective actions - measures that should be taken by the Constructional J/V according to the Environmental Terms and other contractual obligations.
- The designs, studies and technical reports that should be drawn up in the framework of construction and operation of the project and that involve several environmental issues.
- The implementation control process of the terms and actions by the competent authorities.

The purpose of the Environmental Monitoring & Control Program is to clearly determine the actions and measures required for the environmental management of the construction phase of the project and that derive from recording and assessing the environmental terms, other obligations or guidelines arising from the contractual documents and the applicable legislation.

The Environmental Monitoring & Control Program has already been submitted to EYPE/YPEXODE and is under revision.

3.2 ENVIRONMENTAL MANAGEMENT SYSTEM – ENVIRONMENTAL TERMS COMPLIANCE CHECKLISTS

The “Environmental Terms Compliance Checklists” are drawn up based on the Environmental Monitoring & Control Program and the Environmental Management System. These checklists include the way and methodology of required actions in order to ensure the implementation of the Environmental Terms.

The responsible department for the environment in cooperation with the project engineers carry out regular inspections and complete the checklists by applying the “Environmental Monitoring & Control Program”. Furthermore, they provide the necessary orders or guidelines that are based on the Environmental Monitoring & Control Program for every issue related to the environment.

The Environmental Management System, which is applied by the J/V, has been drawn up taking into consideration the requirements of ISO 14001:2004. It consists of the Manual, the Procedures, the Guidelines of the Works related to the environment and the observance of the project's environmental requirements. The manual, the procedures and the guidelines for environmental management is applied uniformly throughout the project and are currently in continuous progress in order to meet the project's needs.

3.3 MONTHLY, SEMI-ANNUAL AND ANNUAL PROGRESS REPORT FOR THE IMPLEMENTATION OF ENVIRONMENTAL TERMS

At the same time, in order to monitor the Program and inform the bodies involved to the project on a monthly basis, the Environmental Department of the J/V draws up monthly and annual progress reports for the implementation of the environmental terms in the form of a table. These monthly reports include:

- Works or designs carried out regarding the implementation of the Environmental Terms and all possible variations on the Environmental Monitoring & Control Program.
- The relevant actions of the persons responsible (inspections, special reports, etc.).
- A full photographic presentation of the environmental issues

In July of each year, a semi-annual progress report is being drawn up with respect to the implementation of the Environmental Terms in accordance with article 11.2.2., case (ii) of the Concession Agreement.

In January of each year, an annual progress report is being drawn up, pursuant to article 11.2.2 (iii) of the Concession Agreement, which includes the annual review of all issues described in the periodical reports.

4. ENVIRONMENTAL ISSUES PROGRESS – WORKS CONSTRUCTION

The progress of the construction works is submitted by the joint venture CENTRAL GREECE MOTORWAY E65 to the Concessionaire via monthly reports of progress.

The above paragraphs constitute the documentation for the compliance of the environmental commitments regarding the construction works progress.

4.1 PERMITS - DESIGNS - APPROVALS

This section presents all requests submitted by the Constructional Joint Venture in order to obtain permits in the framework of the project's implementation. Furthermore, the relevant designs that arise from the obligation to observe the contractual requirements and environmental terms of the project are presented.

4.1.1 Permits and approvals in accordance with the environmental terms of the project.

In the context of observing the environmental terms and other requirements based on the applicable legislation, relevant studies on the environmental licensing of the ancillary works are being prepared and submitted for approval and permit. The competent authority for the environmental studies is DIPA/Y.PE.EN.

The following table (table 4.1.1-1) presents all relevant information on the submissions conducted to DIPA/Y.PE.EN.

Table 4.1.1-1: Studies for the environmental permit of ancillary works

No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re-submission-rejection, etc.)
1.	STIS. Material withdrawal from Onohonos river (BP5N1)	Municipality of Sofades, Prefecture of Karditsa	141388/ 25-6-2009	141388/ 04.08.2009	STIS approval
2.	STIS. Borrow pit at Agia Paraskevi, "Kalamaki vr." (BP1N3)	Agia Paraskevi, Municipality of Lamia, Prefecture of Fthiotida	136998/ 05.03.2009	136998/ 28.07.2009	STIS approval
3.	STIS. Worksite at Lamia in "Ag. Trifonas" position	Stavros, Municipality of Lamia, Prefecture of Fthiotida.	136998/ 05.03.2009	136998/ 28.07.2009	STIS approval

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No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re-submission-rejection, etc.)
	(MSS CH. 12+000) (IS1N1)				
4.	STIS. "Pyrgaki – Kofinas" Borrow pit / disposal site (BP/DS1N1)	Stavros, Municipality of Lamia, Prefecture of Fthiotida.	136998/ 05.03.2009	136998/ 28.07.2009	STIS approval The Regional Forest Service Directorate does not approve the intervention permit
5.	STIS. "Platana - Rema" Borrow pit (BP1N2)	Lygaria, Municipality of Lamia, Prefecture of Fthiotida.	136998/ 05.03.2009	136998/ 28.07.2009	STIS approval
6.	STIS. Borrow pit in "Magoula" position at Sperchios river (BP1N4)	Among Municipality of Ypati and Lianokladi, Prefecture of Fthiotida	136998/ 05.03.2009	136998/ 28.07.2009	The position has been rejected by STIS
7.	STIS. Borrow pit in "Asprokampos" position at Gerakaris stream (BP1N5)	Kompotades, Municipality of Ypati, Prefecture of Fthiotida.	136998/ 05.03.2009	136998/ 28.07.2009	STIS approval The location has been rejected by the Hellenic Public Real Estate Corporation (HPREC)
8.	STIS. Borrow pit at "Aerodromio" area (BP6N1)	Kefalovrysso, Municipality of Faloria, Prefecture of Trikala	140546/ 04.06.2009	140546/ 29.07.2009	STIS approval
9.	STIS Review "AERODROMIO" Borrow Pit (BP6N1)	Kefalovrysso, Municipality of Faloria, Prefecture of Trikala	148761/ 18.12.2009	121188/ 29.01.2010	Approval of the revised STIS
10.	STIS. "Kioskia" Borrow Pit (BP4N1)	Municipality of Tamassi, Prefecture of Karditsa, Anavra	143395/ 10-08-2009	143395/ 02-09-2009	STIS approval
11.	STIS. "Geladaria" Borrow Pit (BP4N2)	Municipality of Tamassi, Prefecture of Karditsa, Anavra	145522/ 16-10-2009	145522/ 17-11-2009	STIS approval
12.	STIS. Anavra Worksite "Kedrakos" position (IS5N1)	Municipality of Tamassi, Prefecture of Karditsa, Anavra	143394/ 10-08-2009	143394/ 02-09-2009	STIS approval
13.	STIS. Agios Georgios Worksite	Municipality of Kampos, Agios	143394/	143394/	STIS approval

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No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re-submission-rejection, etc.)
	“Voulgarolakka” position	Theodoros, Prefecture of Karditsa	10-08-2009	02-09-2009	
14.	STIS. “GKOLNA” Worksite (BP5N4)	Municipality of Goriani, Prefecture of Grevena	121768/ 10-02-2010	----	The design was returned because of the decision of the Council of State for temporary suspension of the works in the 3rd JMD.
15.	STIS. Borrow Pit in “Mavrogies” position (BP5N4)	Sikeona, Municipality of Filo, Prefecture of Karditsa	121768/10-2-2010 Resubmission 14076/16.06.2011 (J/V No.)	14693/ 10.11.2011	STIS approval
16.	STIS. Borrow Pit in “Vrontaria” Position (BP6N2)	Fiki, Municipality of Palia, Prefecture of Trikala	124501/ 21.04.2010	127798/ 08.07.2010	STIS approval
17.	STIS. Stone processing installation in the quarry materials – borrow pit in “Pyrgaki” Position (IS1N2)	Stavros, Municipality of Lamia, Prefecture of Fthiotida	144259/ 11.09.2009	144259/ 17.11.2009	STIS approval
18.	STIS. Stone processing installation in the quarry materials – borrow pit in “Kalamaki Vr.” Position (IS1N3)	Agia Paraskevi, Municipality of Lamia, Prefecture of Fthiotida	144259/ 11.09.2009	144259/ 17.11.2009	STIS approval
19.	Stone processing installation in the worksite facilities of Lamia (IS1N4)	Stavros, Municipality of Lamia, Prefecture of Fthiotida	144259/ 11.09.2009	144259/ 17.11.2009	STIS approval
20.	STIS. Washing of aggregates with a sieve, within the sand borrow pit in Gerakaris r. (IS1N5)	Kompotades, Municipality of Ypati, Prefecture of Fthiotida	144259/ 11.09.2009	144259/ 17.11.2009	Rejected due to refusal of the lease application by the Mortgage Service of Prefecture of Fthiotida
21.	STIS. Worksite in Kalampaka MSS position (CH. 132+000) (IS9N1)	Municipality of Kalampaka, Prefecture of Trikala	125561/ 17.05.2010	199070/ 09.05.2011	Rejected by EYPE due to location within Natura 2000 area

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No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re-submission-rejection, etc.)
22.	STIS. Worksite in “Lampes” position (IS6N1)	Proastio, Municipality of Sellana, Prefecture of Karditsa	126671/ 11.06.2010	195831/ 31.01.2011	STIS Approval
23.	STIS. Worksite in “Samolaka” position (IS2N1)	Styrfaka, Municipality of Lianokladi, Prefecture of Fthiotida	126332/ 04.06.2010	127799/ 08.07.2010	STIS Approval
24.	STIS. Borrow Pit “Ammoudes” (BP5N5)	Filia, Municipality of Sofades, Prefecture of Karditsa	128447/ 27.07.2010 (J/V prot. no.)	132626/ 22.11.2010	STIS approval
25.	STIS. Borrow Pit “Haliades” (BP5N6)	Filia, Municipality of Sofades, Prefecture of Karditsa	128805/ 04.08.2010 (J/V prot. no.)	132626/ 22.11.2010	STIS approval
26.	STIS. Worksite of Perivoli (IS3N1)	Perivoli, Municipality of Ksiniada, Prefecture of Fthiotida	9575/06.08.2010 (J/V prot. no.)		Expected to be approved
27.	STIS. Worksite (IS2N3) in “Ohiro” position (T2 tunnel exit area)	Moshokaria, Municipality of Lianokladi, Prefecture of Fthiotida	128699/ 09.09.2010	201981/ 01.08.2011	Approval
28.	STIS. Temporary deposit in “Fteres” position (DS2N1)	Moshokaria, Municipality of Lianokladi, Prefecture of Fthiotida	128699/ 09.08.2010	201981/ 01.08.2011	Rejected
29.	STIS. Plant of asphalt production and 3A material mixer	Anavra, Municipality of Tamassi, Prefecture of Karditsa	128343/ 23.07.2010	201980/ 01.08.2011	STIS Approval
30.	Environmental Impact Pre-study. Environmental licensing of drilling wells under the project “Landscape Planting - Irrigation and Rehabilitation for the CH. 56+000 – CH. 90+000 of the Central Greece Motorway (E65)”.	CH. 56+000 – CH. 90+000	13323/01.04.2011 (J/V prot. no.)		Submission of Environmental Impacts Pre-study The DIPA/YPAPEN rejected the study with prot. no. 146419/26.02.2015
			Request for return of study 21008/17.02.15 (J/V prot. no.)		

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No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re- submission- rejection, etc.)
31.	STIS. Materials store and 2 units of asphalt production in “Sykia” position (IS1N7)	Koma, Municipality of Lamia, Prefecture of Fthiotida	201026/ 06.07.2011	---	DIPA/YPAPEN has returned with prot.no. 146419/26.02.2015 the STIS
			Request for return of STIS 14187/05.06.2017		
32.	STIS/EIS. Borrow pit in “Fournia” position (BP342)	Makrirachi, Municipality of Ksiniada, Prefecture of Fthiotida	204542/ 27.10.2011 STIS submission 15481/21.12.2012 (J/V prot. no.) EIS submission	MD 171820/01.04.2 014	EYPE/YPEKA has returned the STISs with prot. no. 200814/20.07.2012 and asked for the submission of EIS in accordance with Law 4014/2011. EIS Approved
33.	STIS. Lateral Toll Station in CH. 60+200	Anavra, Municipality of Sofades, Prefecture of Karditsa	204541/ 27.10.2011	MD 24355/ 13.05.2016	Approved
			21343/01.04.15 EIS Submission		
34.	STIS. Operation and Maintenance Centre in CH. 69+700	Municipality of Sofades, Prefecture of Karditsa	204544/ 27.10.2011	MD 14997/ 14.04.2015	Approved
35.	STIS. Frontal Toll Station and station's administration building in CH. 65+650	Municipality of Sofades, Prefecture of Karditsa	204543/ 27.10.2011 STIS Submission	MD 24355/ 13.05.2016	Approved
			21343/01.04.15 EIS Submission		
36.	STIS/EIS. Borrow pit in Agios Stefanos position (BP345)	Agios Stefanos, Municipality of Ksiniada, Prefecture of Fthiotida	204863/ 08.11.2011 STIS submission 15482/21.12.2012 (J/V prot. no.)	MD 171820/01.04.2 014	EYPE/YPEKA has returned the STISs with prot. no. 200811/20.07.2011 and asked for the

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No.	Ancillary work	Area	Submission to DIPA (ref. no. DIPA – former EYPE)	DIPA Decision (former EYPE)	Comments (approval, re-submission-rejection, etc.)
			EIS submission		submission of EIS according to Law 4014/2011. EIS approved
37.	EIS. Borrow pit at “Kokkalitsa”, Makrirachi settlement, Prefecture of Fthiotida (BP3N6)	Makrirachi, Municipality of Domokos, Prefecture of Fthiotida	18752/18.06.2014 EIS Submission	---	TEPEM approved
38.	TEPEM (Technical Environmental Study) of Trikala worksite at 7th km of NR Trikala - Karditsa	Megala Kalyvia, Municipality of Trikaia, Prefecture of Trikala	20292/10.11.2014 TEPEM (Technical Environmental Study) Submission	---	TEPEM approved
39.	TEPEM Frontal Tolls of Trikala and Administration Building	Municipality of Trikaia, Prefecture of Trikala	21132/01.04.2015 TEPEM Submission	100775/05.02.2015	TEPEM approved
40.	TEPEM Lateral Tolls of Proastio I/C	Municipal Unit of Sellana, Prefecture of Karditsa	21132/01.04.2015 TEPEM Submission	100775/05.02.2015	TEPEM approved
41.	TEPEM Lateral Tolls of Trikala I/C	Municipality of Trikaia, Prefecture of Trikala	21132/01.04.2015 TEPEM Submission	100775/05.02.2015	TEPEM approved
42.	TEPEM of worksite installations for the asphalt mix production at Proastio I/C	Proastio, Municipality of Sellana, Prefecture of Karditsa	21446/16.04.2015 TEPEM Submission	148421/04.09.2015	TEPEM approved
43.	TEPEM of worksite installations for the asphalt mix production at CH. 43+500	Makrirachi, Municipality of Ksiniada, Prefecture of Fthiotida	23408/11.03.2016 TEPEM Submission	16997/13.07.2016	TEPEM approved
44.	TEPEM of Traffic Management Building at the Sofades TCC CH. 69+700	Municipality of Sofades, Prefecture of Karditsa	24145/25.07.2016 (J/V prot. no.)	---	Expected to be approved
45.	TEPEM of three borehole drilling	Municipalities of Fthiotida, Karditsa	24494/06.10.2016 (J/V prot. no.)	---	Expected to be approved

The above studies include:

- The Special Study for Quarry Restoration, of a total area of 28.723,66 m² at the location of “Aploma”, P.U. of Karditsa which has been ratified by decision no. 6922/230204/16.12.2015 of the S.G. for the Decentralized Administration of Thessalia – Central Greece.
- The submitted with prot. No. 23599_CC-X-CO-T100N_EM-sk_18.04.16 Special Study for Quarry Restoration (borrow pit) of a surface of 17.605 m² in the region of Smokovo dam, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa sent to the Forestry of Karditsa, which has been approved by decision no. 2358/76833/24.05.2016 of the S.G for the Decentralized Administration of Thessalia – Central Greece.
- The submitted with prot. no. 23706_CC-X-CO-T100N_EM-sk_06.05.16 Special Study of Quarry Restoration (borrow pit) of a surface of 68.586m² in the region of Smokovo dam, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa, sent to the Forestry of Karditsa.
- The submitted with prot. no. 23766_CC-X-CO-T100N_EM-sk_17.05.16 Special Study of Quarry Restoration (borrow pits) at the location of “Leimani”, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa for the construction of E65 motorway, section CH. 31+000 – CH. 85+000, sent to the Forestry of Karditsa.

The above areas constitute old non-restored exploitations which are suggested to be restored with embankment projects (from excess/inappropriate materials resulting from the construction of the road project) and relief configuration and reforestation.

For the above projects the procedures of Article 7 of Law 4014/2011 and para. 2a of Article 40 of Law 4030/2011 as replaced by para. 11 of Article 51 of Law 4280/2014 have been followed. The above projects offer multiple benefits, since the motorway project is served for the storage of excavation materials that cannot be reused in the same motorway project, already affected areas are addressed and in harmony with the natural environment. Furthermore, the choice of these locations prevents the creation of permanent disposal pit in other locations, by reducing the possible impacts on the environment generated from these kinds of actions.

Finally, in the context of addressing the localized CH.A.D.A (site for the uncontrolled disposal of waste) “Antealakia” or “Fteres” “Fteres” (CH. 108+500 of the motorway) of the Municipal Unit of Estiaiotida, of the Municipality of Trikkala, of the Prefectural Unit of Trikala of the region of Thessaly, with decision no. 3901/220229/ΠΕ2015/26.01.2016 of the Head of the Dir.-Gen. for Planning & Environmental Policy of Thessalia – Central Greece Decentralized Administration approved the relevant Proposal of the Technical Study for Environmental Rehabilitation (TSER).

Within the second semester of 2016, additional relevant designs or even design reviews for environmental permitting of ancillary works such as disposal sites, worksites, borrow pits, etc. are expected to be submitted in order to receive environmental permit.

Moreover, in line with the environmental terms of the project, all the respective permits and opinions are obtained by the competent authorities, such as Forest Services, Archaeological Services, Prefectural Administration Services, etc.

The Constructional Joint Venture submits the required requests to obtain relevant permits. The main competent services involved in the project are the following:

- Forest Service of Lamia
- Forest Service of Karditsa
- Forest Service of Trikala
- Forest Service of Kalampaka
- Forest Directorate of Grevena
- Service of Modern Monuments and Technical Works of Thessalia & Central Greece
- Ephorate of Antiquities of Fthiotida and Evritania
- Ephorate of Antiquities of Karditsa
- Ephorate of Antiquities of Karditsa
- Regional Section of Fthiotida
- Regional Section of Karditsa
- Regional Section of Trikala
- Regional Section of Grevena
- etc.

The relevant correspondence is presented below:

1. In response to our request dated 09.12.15, the Service of Modern Monuments and Technical Works of Thessalia and Central Greece, by letter no. 2698/22.12.2015, sent its positive opinion regarding the modifications of Central Greece Motorway (E65) at section CH. 0+000 – CH. 24+500 (05.01.16).
2. Upon implementation of decision no. 6922/230204/16.12.2015 of the Directorate-General of the Decentralized Administration of Thessaly and Central Greece (approval of the Special Restoration Study of the quarry area at “Aploma”, Municipal Unit of Tamassi, Municipality of Sofades, Prefectural Unit of Karditsa), the Forestry of Karditsa, with prot. no. 5636/237155/Π.Ε./04.01.2016 asked for the submission of the request to install the landscaping restoration when the surfaces to be restored are configured in order to be followed by the service (11.01.16).
3. In response to our request no. 09.12.15, the Ephorate of Antiquities of Fthiotida and Evritania with prot. no. 7048 π.ε./04.01.2016 sent its positive opinion as regards the amendments of Aftokinitodromos Kentrikis Ellados (E65) at section CH. 0+000 – CH. 24+500 identifying an instance of discovery of non-visible antiquities during the execution of the project at the “Valogourna” position of Ligaria, Municipality of Fthiotida (CH. 20+936 – CH. 24+506) (13.01.16).
4. Our J/V’s request sent to the Forest Directorate of Fthiotida for extension of the concession time and use of land of 53.562,21 m2, at the position of “Kalamaki Vryssi”, Municipality of Lamia, Prefectural Unit of Fthiotida, to conduct material withdrawal works (quarry site – code BP1N3), of decision no. 1159/31.03.2010 for intervention approval of the Sec. – Gen. of Central Greece’s Prefecture (18.01.16).

5. Our J/V's request sent to the Forestry of Lamia for opinion on the borrow pit section (without the use of explosives) at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5) (25.01.16).
6. SSPW CP C&W GR with letter no. A/6/00α/06/18/oik.6534/14.01.2016 transmitted the AEPO no. 4644/212888/01.12.2015 of the project "Improvement of Connecting Road of Lamia – Karditsa N.R. with Aftokinitodromos Kentrikis Ellados (E65) at the position of Ksiniada I/C" (26.01.16).
7. With decision no. 3901/220229/ΠΕ2015/26.01.2016 of the Head of the Directorate – Gen. of Land Planning & Environmental Policy of the Decentralized Administration of Thessaly – Central Greece, the relevant Proposal of the Technical Study for Environmental Restoration of CH.A.D.A. [Site for the uncontrolled landfill of waste] at "Antealakia" or "Fteres" (at CH. 108+500 of the motorway) of the Municipal Unit of Estiaiotida, Municipality of Trikkaia, of the Prefectural Unit of Trikala, Region of Thessalia has been approved (29.01.2016).
8. Submission of extra copies of the EIS for the amendment of AEPO of Makrihori – Lamia section, specifically for:
 - The modification of Lamia I/C system at CH. 5+500 according to the decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Infrastructure, Transport and Networks.
 - The modification of the motorway at section CH. 14+500 – CH. 24+500 (02.02.16).
9. Drafting and submission of the revised Environmental Monitoring and Inspection Program (05.02.16).
10. In response to our J/V's request dated 25.01.16 sent to the Forestry of Lamia for an opinion on the borrow pit section (without the use of explosives) at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5), the Forestry of Lamia with prot. no. 370/13108/28.01.2016 sent its opinion (05.02.16).
11. NEA ODOS S.A. with its registration no. 05.02.2015 sent to EYDE CP C&W GR the extra copies of EIS for the amendment of AEPO of Makrihori – Lamia section, specifically for:
 - The modification of Lamia I/C system at CH. 5+500 according to decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Infrastructure, Transport and Networks.
 - The modifications of the motorway at section CH. 14+500 – CH. 24+500. (09.02.16).
12. In response to our J/V's request, the Forestry of Lamia with prot. no. 6972/230985/03.02.2016 sent its opinion regarding the modifications of Central Greece Motorway at section CH. 0+000 - CH. 24+500, specifically:
 - The modification of Lamia I/C system at CH. 5+500 according to decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Infrastructure, Transport and Networks.
 - The modifications of the motorway at section CH. 14+500 – CH. 24+500. (09.02.16).
13. The Forestry of Lamia, with prot. no. 406/14148/04.02.2016, issued a Certificate of estoppel with prot. no. 66848/8227/08.11.2011 of the characterization act, of the area of the borrow pit (without the use of explosives) at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5) and informed us that, as for the section of the said borrow pit, objections have been raised (09.02.16).
14. Following our claim no. 27.01.2014, the Forestry of Lamia, with prot. no. 4591/158748/03.02.2016, sent its opinion on the Amendment File of the EIS JMD no. 114504/18.11.2005 of the project "Road axle of Central Greece (E65) Lamia – Makrihori section" (as amended and in force) as regards the final design of the alignment at the road section from CH. 24+500 to CH. 31+212 (09.02.16).
15. Request sent to the Department of Natural Resources of the Decentralised Administration of

Thessalia – Central Greece for the issuance of the exploitation licence and the drawing up of the leasing agreement for the borrow pit section (35.460,76 m2) (without the use of explosives) at the Local Community of Agios Stefanos, Municipality of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5) (11.02.16).

16. EYDE (SSPW) CP C&W GR with prot. No. A/6/00α/08/24/6417/03.02.2016 submitted to DIPA/YPEN the EIS extra copies for the amendment of the AEPO of Makrihori – Lamia section, specifically for :

- The modification of Lamia I/C System at CH. 5+500 according to decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Transport, Infrastructure and Networks.
- The modifications of the motorway at section CH. 14+500 – CH. 24+500. (12.02.16).

17. The Forest Directorate of the Prefecture of Fthiotida with prot. no. 380/18016/15.02.2016 sent to the Forest Directorate and Forest Environment Management of YPEN, the opinion no. 6972/230985/03.02.2016 of the Forestry of Lamia (22.02.16).

18. The Forest Directorate of the Prefecture of Fthiotida sent with prot. no. 379/18015/15.02.2016 to the Directorate of Forest and Forest Environment Management of YPEN, the Lamia Forestry opinion with prot. no. 4591/158748/03.02.2016 (22.02.16).

19. The Directorate of Forest Coordination and Inspection of the Decentralised Administration of Thessalia – Central Greece with prot. no. 915/27558/29.02.2016 sent to the Directorate of Forest & Forest Environment Management of YPEN the positive opinion regarding the amendments of Central Greece Motorway at section CH. 0+000 - CH. 24+500, specifically:

- The modification of Lamia I/C system at CH. 5+500 according to decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Infrastructure, Transport and Networks.
- The modifications of the motorway at section from CH 14+500 – CH. 24+500 (04.03.16).

20. The Directorate of Forest Coordination & Supervision of the Decentralised Administration of Thessalia – Central Greece with prot. no. 915/27558/29.02.2016 sent to the Directorate of Forest & Forest Environment Management of YPEN the positive opinion as regards the final design of the alignment at the road section from CH. 24+500 to CH. 31+212 (04.03.16).

21. Drafting and submission of TEPEM for worksite installations for the production of asphalt mixture at CH. 43+500 of Aftokinitodromos Kentrikis Ellados (11.03.16).

22. Request for opinion sent to the Construction Projects Department of the Special Service of Public Works of the Hydraulic Infrastructures Construction regarding the restoration of two inactive quarry sites with embankment and landscaping works (11.03.16).

23. Submission of fees for the issuance of the exploitation licence of Agios Stefanos borrow pit, Municipal Unit of Ksiniada, Municipality of Domokos (18.03.16).

24. In response to our claim dated 11.03.16, EYDE KYY / TKE of Karditsa sent its positive opinion with prot. no. 70/18.03.2016 (22.03.16).

25. Submission of a letter of guarantee for the issuance of the licence of Agios Stefanos borrow pit, Municipal Unit of Ksiniada, Municipality of Domokos (29.03.16).

26. The Natural Resources Department of the Decentralised Administration of Thessalia – Central Greece requested with prot. no. 375/36102/23.03.2016 the submission of necessary fees and a letter of guarantee in order for the decision approving the leasing to under a direct agreement and granting the exploitation licence of Agios Stefanos borrow pit, Municipal Unit of Ksiniada, Municipality of Domokos be issued (30.03.16).

27. The I.E. with prot. No. CC.4.IE.GG.00.000.012535/11.04.2016 accepted in principle the revised Environmental Monitoring and Control Program Rev1.0 (11.04.16).

28. Drafting and submission of Special Forest Engineering Study for the restoration of the borrow pit (without the use of explosives) at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5) (13.04.16).
29. Drafting and submission of the Special Restoration Study of the quarry area (borrow pit) of 17.605m² in the region of Smokovo dam of the Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa (18.04.16).
30. Informative letter sent to the Thessalia Waters Directorate to conduct inspections, cleaning and pumping test in expropriated drillings at the area of the Prefecture of Karditsa from 22.04.2016 up until 27.04.2016 (21.04.16).
31. Following the submitted Special Study of Quarry Rehabilitation (EMAL) dated 18.04.16, the EYDE (SSPW) Construction of Hydraulic Infrastructures/Construction Projects Department of Karditsa sent its positive opinion with prot. No. 128/21.04.2016 (22.04.16).
32. With decision no. 112/8387/15/26.04.2016 (ADA: 7N\8OP10-YTK) the Gen.- Secretary of the Decentralized Administration of Thessalia – Central Greece decided the direct leasing of a total public area of 25.919,39 m² in the region of the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida and grant of exploitation licence of aggregate materials quarry (borrow pit). This area constitutes a borrow pit section at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida, (code BP3N5) (27.04.16).
33. Submission of inactivity declaration of the aggregate materials – borrow pit quarries in the region of “Aerodromio” or “Potamia”, Local Community of Kefalovrysso, Municipal Unit of Falaria, Municipality of Trikala, Prefecture of Trikala for 2015 (28.04.16).
34. Submission of inactivity declaration of the aggregate material – borrow pit quarry at “Kalamaki Vryssi”, Local community of Agia Paraskevi, Municipality of Lamia, Prefecture of Fthiotida for 2015 (28.04.16).
35. Submission of inactivity declaration of aggregate materials – borrow pit quarry at “Kioskia”, Local Community of Anavra, Municipal Unit of Tamassi, Municipality of Sofades, for 2015 (28.04.16).
36. Submission of activity report of aggregate materials – borrow pit quarry at “GELADARIA”, Local Community of Anavra, Municipal Unit of Tamassi, Municipality of Sofades, Prefecture of Karditsa for the year 2015 (28.04.16).
37. Drafting and submission of the Special Restoration Study of the quarry area (borrow pit) of 68.586m² in the region of Smokovo dam, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa (06.05.16).
38. Following the submitted Special Study of Quarry Rehabilitation (EMAL) dated 06.05.16, the EYDE (SSPW) Construction of Hydraulic Infrastructures/Construction Projects Department of Karditsa sent its positive opinion with prot. No. 147/10.05.2016 (11.05.16).
39. Drafting and submission of the Special Restoration Study of the quarry area (borrow pits) at “Leimani” position, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa for the construction of E65 motorway, section CH. 31+000 – CH. 85+000 (17.05.16).
40. Director-General of Environmental Policy of the Ministry of Environment & Energy issued with prot. No. 100775/05.02.2015 decision for the approval of the Technical Environmental Study (TEPEM) for the implementation (construction and operation) of Trikala Frontal Toll Station (CH. 105+075) and the Lateral Toll Stations at Proastio I/C (CH. 97+000) and Trikala I/C (CH. 110+940) for the operational needs of Central Greece Motorway (E65) (adjacent works) (24.05.16).

41. The Secretary General of the Decentralised Administration of Thessalia – Central Greece issued a decision with prot. no. 2358/76833/24.05.2016 on the approval of the Special Restoration Study of the inactive quarry area – borrow pit of a total surface of 17.604,92 m² in the region of Smokovo dam, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa (26.05.16).
42. Submission of request for installation protocol at a borrow pit section (with the use of explosives) at the Local Community of Agios Stefanos, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5), for the construction of Central Greece Motorway (E65) (26.05.16).
43. KENTRIKI ODOS S.A., with document dated 16.06.2016, submitted an AEPO amendment file, Article 6 of Law 4014/2011 for the Motorway Service Station at the locations of Sofades and Ksiniada, in the framework of amending the environmentally licensed Central Greece Motorway (22.06.16).
44. The Secretary General of the Decentralised Administration of Thessalia – Central Greece decided with prot. no. 3367/106511/07.07.2016 the approval of the Special Study for the Restoration of inactive quarry area – borrow pit of a surface of 68.586,23 m² at the area of Smokovo dam, Municipal Unit of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa, for the service of Central Greece Motorway (E65) (07.07.16).
45. Following the submission dated 16.06.2016 of the AEPO Amendment File of Article 6 of Law 4014/2011 for the Motorist Service Stations at the locations of Sofades and Ksiniada, in the framework of the amendment of the environmentally licensed Central Greece Motorway, of CENTRAL GREECE S.A., EYDE C&W GR CP forwarded with prot. No. A/6/00α/08/24/9325/30.06.2016 the above file to DIPA/YPEN (11.07.16).
46. Our J/V's request sent to the Technical Committee for the Examination of Objections of the Fthiotida Directorate of Forests for the acceleration of decision according to paragraph 2 of Article 52 of Law 4280/2014 on the objection as regards the Characterization Act for a borrow pit section (with the use of explosives) at the Local Community of Agios Stefanos T, Municipal Unit of Ksiniada, Municipality of Domokos, Prefectural Unit of Fthiotida (code BP3N5), for the construction of Central Greece Motorway (E65) (12.07.16).
47. Elaboration and submission of EIS for the amendment of the approved Environmental Terms (JMD ETA 147014/18.11.2005) of Central Greece E65 road axle at section Kalampaka – Egnatia, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+035 of the environmentally approved alignment) (19.07.16).
48. Elaboration and submission of the Technical Environmental Study (TEPEM) of the Traffic Management Building at Sofades of Central Greece Motorway (E65) (25.07.16).
49. Following our J/V's submission dated 25.07.16 (TEPEM of Traffic Management Building at Sofades) KENTRIKI ODOS S.A. on 27.07.2016 forwarded the above submission to EYDE C&W GR CP (29.07.16).
50. Following our J/V's submission dated 19.07.16 (EIS CH. 137+550 –CH. 148+135) KENTRIKI ODOS on 25.07.2016 forwarded the above submission to EYDE C&W GR CP (J/V prot. no. 24178_CC-P-CC-T300N_29.07.16).
51. By decision no. 16997/13.07.2016 of the YPEN Dir. – Gen. of Environmental Policy (ΑΔΑ: ΩΧΒΧ4653Π8-0ΣΛ), the alignment of the worksite at CH. 43+500 of E65 has been approved (Makrirachi area, Municipality of Domokos, Prefecture of Fthiotida) for the construction needs of Central Greece Motorway (E65) (02.08.16).

52. Submission of request sent to KENTRIKI ODOS for the issuance of a water license for existing expropriated drillings C16 and C27 of the existing expropriated drillings C16 and C27 for the operational needs of Central Greece Motorway (E65) (02.08.16).
53. Following our J/V's submission dated 19.07.16 (EIS for the amendment of the approved Environmental Terms (JMD ETA 147014/18.11.2005) of Central Greece E65 Road Axle at Kalampaka – Egnatia section, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+035 of the environmentally approved alignment), which was forwarded by KENTRIKI ODOS on 25.07.2016, EYDE C&W GR CP with prot. No. A/6/00α/08/24/10027/03.08.2016 forwarded the above EIS to DIPA for approval (05.08.16).
54. Following our J/V's submission dated 25.07.16 (Technical Environmental Study (TEPEM) of the Traffic Management Building at Sofades of Central Greece Motorway (E65)), which has been forwarded by KENTRIKI ODOS on 27.07.2016, EYDE C&W GR CP with prot. no. A/6/00α/08/24/10026/05.08.2016 forwarded the above TEPEM to DIPA for approval (16.08.16).
55. The Forestry of Karditsa with letters nos. 3181/122331/01.09.2016 and 2471/94017/01.09.2016 asked for the submission of our J/V's requests to install landscape restoration of the Quarries – Borrow Pits at the area of “Smokovo dam”, Prefectural Unit of Karditsa, when the surfaces to be restored are formed in order for the progress of the landscaping works to be followed by the Forestry (07.09.16).
56. Following oral communications, the Forestry of Karditsa with prot. no. 2151/85530/13.09.2016 returned to us the Special Study for Quarries Restoration (borrow pits) dated 17.05.16 at “Leimani” of the Municipal Unit of Menelaïda, Municipality of Sofades, Prefectural Unit of Karditsa as well as our request for characterization act with prot. no. 22966_CC-X-CO-T104N_EM-sk_29.12.15, which are filed (19.09.16).
57. Elaboration and submission of the AEPO Amendment Files with prot. no. 144504/18.11.2005 and 145521/18.11.2005 of the project “Central Greece (E65) Road Axle, Makrihori – Lamia and Kalampaka – Lamia Sections”, for the drilling of three water boreholes (06.10.16).
58. DIPA/YPEN with prot. no. 33405/28.09.2016 requested for the completion and resubmission of the File for the environmental licensing of Sofades and Ksiniada MSSs of Central Greece Motorway (E65) (12.10.16).
59. The Technical Committee for the Examination of Objections, Prefecture of Fthiotida π. 44/10.10.2016 requested from the Lamia Forestry to send the evidence of the documentation to the applicant and the publication of the classification act with prot. no. 66848/8227/08.11.2011 (characterization act of Agios Stefanos Borrow Pit) in order for the relevant objections on the characterization act to be examined at the next meeting of TEEA (14.10.16).
60. EYDE (SSPW) CP C&W GR with prot. no. A/6/00α/01/24/10923/05.10.2016 submitted to Kentriki Odos DIPA/YPEN letter no. 46486/28.09.2016 requesting for the completion of the EIS for the amendment of the JMD ETA no. 147014/18.11.2005 of the Project “Central Greece (E65) Road Axle, Kalampaka – Egnatia Odos section and Agia Paraskevi I/C for the connection with Egnatia Odos” as regards the environmental licensing of the new alignment at the north subsection (CH. 148+135 – CH. 175+000) (14.10.16).
61. Kentriki Odos on 11.10.2016 submitted the File for the environmental licensing of three water boreholes of E65 (17.10.16).
62. Following letter no. 44/10.10.2016 of EETA, Prefecture of Fthiotida, Forestry of Lamia with prot. No. 6014/177216/17.10.2016 sent relevant information (18.10.16).
63. Kentriki Odos on 17.10.2016 submitted to us EYDE (SSPW) CP C&W GR and DIPA/YPEN

letters with prot. No. A/6/00α/01/24/10923/05.10.2016 and 46486/28.09.2016 and requested for our actions (19.10.16).

64. EYDE (SSPW) CP C&W GR with prot. no. A/6/00α/01/24/11686/31.11.2016 submitted to us DIPA/YPEN letter no. 53028/04.11.16 requesting for extra copies of the AEPO Amendment File submitted by the J/V with prot. no. 144504/18.11.2005 and 145521/18.11.2005 of the project “Central Greece (E65) Road Axle, Makrihori – Lamia and Makrihori – Kalampaka sections”, for the drilling of three water boreholes (01.11.16).

65. EYDE (SSPW) CP C&W GR with prot. no. A/6/00α/8/24/11203/07.11.2016 submitted to DIPA/YPEN extra copies of the EIS for the amendment of the JMD no. 147014/18.11.2005 Environmental Terms Approval of the Project: “Central Greece (E65) Road Axle, Kalampaka – Egnatia section and Agia Paraskevi I/C for the connection with Egnatia Odos” as regards the environmental licensing of the new alignment of the motorway at the north subsection (CH.148+135 to CH. 175+000) (16.11.16).

66. Kentriki Odos S.A. on 17.11.2016 submitted to the Directorate for Water of Thessalia of the Decentralised Administration of Thessalia – Central Greece, application for a water license for existing expropriated drillings C16 and C27 for the operational needs of Aftokinitodromos Kentrikis Elladas (E65) (21.11.16).

67. EYDE (SSPW) CP C&W GR with prot. no. A/6/00α/01/24/11686/30.11.2016 submitted to us letter no. 53028/04.11.16 of DIPA/YPEN requesting for extra copies of the Environmental Impact Study (EIS) submitted by the J/V for the amendment of the approved Environmental Terms (JMD ETA 147017/18.11.2005) of Central Greece (E65) road axle at section Kalampaka - Egnatia, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+083 of the environmentally approved alignment) (01.12.16).

68. Submission of EIS extra copies for the amendment of the approved Environmental Terms (JMD ETA 147017/18.11.2005) of Central Greece (E65) road axle at Kalampaka – Egnatia, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+083 of the environmentally approved alignment) (05.12.16).

69. Kentriki Odos S.A. on 15.12.2016 submitted to EYDE (SSPW) CP C&W GR extra copies of the EIS for the amendment of the approved Environmental Terms (JMD ETA 147017/18.11.2005) of Kentriki Ellados road axle (E65) at section Kalampaka – Egnatia, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+083 of the environmentally approved alignment) (20.12.16).

70. EYDE (SSPW) CP C&W GR with prot. No. A/6/00α/08/24/οικ.12132/12.12.2016 submitted to DIPA/YPEN summary alignment of the Project for the EIS Amendment of the Environmental Terms of the Project: “Road Axle of Central Greece (E65) at Kalampaka – Egnatia section, subsection CH. 148+135 – end (CH. 148+083 - end of the environmentally approved alignment) (21.12.16).

71. EYDE (SSPW) CP C&W GR with prot. No. A/6/00α/08/24/12050/12.12.2016 submitted to DIPA/YPEN extra copies of the EIS for the amendment of the approved Environmental Terms (JMD ETA 147017/18.11.2005) of Central Greece (E65) road axle at Kalampaka – Egnatia section, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+083 of the environmentally approved alignment) (21.12.16).

4.1.2 Project Environmental Designs

The contractual scope of the Constructional Joint Venture is to prepare the relevant technical and other designs for the implementation of the project. Furthermore, the environmental terms of the project referred to the relevant hydraulic and landscaping designs should be conducted for the construction of the project. The J/V of the project has commissioned to a specialized design office the elaboration of the environmental studies required to grant permits for the modifications that arise from the finalization of the works have been assigned. The designs are prepared by the Construction Joint Venture and are submitted to the Concessionaire in order to promote them for approval to the Owner of the Project (PWGD/EYDE C&W GR CP) and the department of YPAPEN (former YPEKA), i.e. the Directorate of Environmental Licencing (DIPA - former Special Environmental Service - EYPE). The environmental studies of the project are presented in the following table (table 4.1.2-1 & 4.1.2-2).

Table 4.1.2-1
JMD / Road Work Designs

No.	Decision Protocol No.	Decision Title / Project Section
1.	JMD 144504/18.11.2005	"Central Greece (E65) Road Axis / Makrihori – Lamia"
2.	Director General for the Environment Decision prot.no. 167266/01.04.2013	Decision Amending AET JMD 144504/18.11.2005 It refers to subsection (CH. 0+000 – CH. 14+500)
3.	MD 173471/23.06.2014	Decision no. 144504/18.11.2005 amending the JMD ETA. It refers to subsection CH. 31+212 – CH. 85+800, section CH. 47+313 – CH. 51+843 is excluded.
No.	Decision Protocol No.	Decision Title / Project Section
4.	MD 147997/14.04.2015	Decision no. 144504/18.11.2005 amending the JMD ETA – as amended and in force, referring to section CH. 47+313 – CH. 51+843
5.	M.D. 24355/13.05.2016	Environmental Licensing of Anavra Lateral Toll station and Sofades Frontal Toll Station
6.	M.D. 61420/16.12.2016	Modification at section CH. 14+500 –CH. 31+212 and Lamia I/C (CH. 5+500).
7.	JMD 145521/18.11.2005	"Central Greece (E65) Road Axis / Makrihori – Kalampaka"
8.	Director General for the Environment Decision YPEKA prot. no. 203583/04.12.2011	Decision Amending AET JMD 145521/18.11.2005 Cut & Cover in CH 137+000
9.	Director General for the Environment Decision YPEKA prot. no. 172041/26.11.2013	Amendment of AET JMD 145521/18.11.2005 Amendments in Makrihori – Kalampaka It refers to section CH. 85+800 – CH. 137+550

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10.	JMD 147014/18.11.2005	"Central Greece (E65) Road Axis / Kalampaka - Egnatia Odos & Agia Paraskevi I/C" for its connection with Egnatia Odos".
11.	YPEN Env. Dir. – Gen decision no. 151991/16.12.2015.	Extension of time period of A. EPO JMD 144504/18.11.2005 of the project: "Road Axle of Central Greece (E65), Makrihori – Lamia section", as amended and in force B. EPO JMD 145521/18.11.2005 of the project: "Road Axle of Central Greece (E65), Makrihori – Kalampaka section", as amended and in force, and C. EPO JMD 147014/18.11.2005 of the project: "Road Axle of Central Greece (E65), Kalampaka – Egnatia Odos section (Agia Paraskevi Junction) Prefectures of Trikala, Grevena".
12.	JMD 103681/05.05.2006	"Connecting road of the Smokovo I/C with the existing road network". The said project does not constitute scope of the Concession Agreement anymore.
13.	JMD 146113/12.07.2005	Skarfia - Thermopiles at the section of Skarfia - Lamia of the PATHE Motorway
14.	JMD 126696/06.06.2007	Amendment of the Joint Ministerial Decision 146113/12.07.2005. The amendment refers to the approval of the Borrow Pits
15.	122881/08.03.2010 EYPE/YPEKA	Environmental licensing of the toll station in Thermopiles I/C of PATHE motorway
16.	JMD 131550/04.05.2003	"Optimization of the National Road to a PATHE motorway, Skarfia - Lamia section, subsection from the beginning of the Thermopiles Interchange to Nea Kiti of Sperchios river".
17.	121668/08.02.2010 EYPE/YPEKA	Environmental licensing of the toll station in Thermopiles I/C of PATHE motorway
18.	MD 146836/05.03.2015	Amendment and renewal of the environmental terms of the section from Thermopiles I/C to Nea Kiti Sperchios of PATHE motorway.
19.	JMD 146109/30.09.2005	"Optimization of the National Road to a PATHE motorway, section from Nea Kiti of Sperchios river to Roditsa Interchange".
20.	145496/21.05.2015 EYPE/YPEKA	Environmental terms amendment of section from Nea Kiti Sperchios to Roditsa I/C of PATHE motorway, as regards minor amendments at Roditsa junction and its adjacent sections.
21.	JMD 130665/02.05.2003	"Optimization of the National Road Athens - Thessaloniki to a motorway that will serve Patra - Athens - Thessaloniki - Evzoni (PATHE), Lamia - Raches section, subsection at CH.3+500 to CH.12+000"
22.	JMD 195214/11.01.2011	Amendment of the 130665/02.05.2003
23.	YPEN Env. Dir. – Gen decision no. 13590/15.03.2016.	Renewal and amendment of the environmental terms of the subsection between Roditsa and Agia Marina και I/Cs (CH. 3+500 - 12+000) of Lamia – Raches section of PATHE motorway

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24.	JMD 100198/30.05.2006	“Overall Bypass at Stylida – Karavomilos”
25.	121667/08.02.2010 EYPE/YPEKA	“Environmental licensing of the toll stations of Agia Marina – Stylida ICs and Stylida – Karavomilos I/C of PATHE motorway”
26.	Decision 172866/23.05.2014	Amendment and renewal of the environmental terms of the project “Stylida – Karavomilos Total Bypass” of PATHE motorway.
27.	YPEN Env. Dir. – Gen decision no. 12757/10.03.2016.	Amendment of environmental terms of Stylida – Karavomilos total bypass of PATHE Motorway
28.	Decision of Secretary Gen. of Decentralised Administration of Thessaly – Central Greece prot. No. 4644/212888/01.12.2015	Approval of environmental terms of the project “Improvement of the connecting road of Lamia – Karditsa C.P. with Central Greece motorway (E65) at “Ksiniada /C”.



Table 4.1.2-2
JMD/ Designs (road project) submitted by the Construction J/V

No	Design Title	J/V submission prot. No.	Decision of Approval	Observations
1.	Report for the determination of environmental permit procedures of the modification project of Central Greece Road Axis (E-65) in Lamia – Makrihori section (CH. 0+000 – CH. 14+500) (Supporting documentation of art.13 of JMD with no 11014/703/Φ104/2003)	6484/10.03.2010	----	----
		14111/22.06.2011	----	Resubmission
		15414/08.11.2012	167266/01.04.2013	Submission of 2 extra copies. Approval: no. οικ. 167266/01.04.2013 JMD EPO Amendment Decision no. 144504/18.11.2005
2.	Report for the determination of environmental permit procedures of the modification project of Central Greece Road Axis (E-65) in Makrihori – Kalampaka section (CH. 14+500 – CH. 85+800) (Supporting documentation of art.13 of JMD with no 11014/703/Φ104/2003 JMD)	12005/04.01.2011	----	Submission
		14129/23.06.2011	----	Resubmission EYPE/YPEKA, with prot. No. 203089/13.11.2012, requested for EIS submission.
3.	Additional Environmental Impact Assessment for the improvement of CH. 47+000 – CH. 56+000 (of Smokovo semi section)	12015/05.01.2011	MD 147997/14.04.2015	Approved
4.	Environmental Terms Amendment file of Central Greece (E65) Motorway at Lamia – Makrihori (JMD ETA 144504/18.11.2005), for the environmental licensing of subsection CH. 24+500 – CH. 31+212.	18588/30.05.2014	----	Submission Following points 2 & 3, section CH. 14+500 – CH. 85+80 was partitioned at individual subsections.
		20297/11.11.2014	----	Withdrawal of study in order for our J/V to re-examine and re-submit the reviewed version, if required, in the future.
		21335/31.03.2015	----	Request for resubmission.
		121789/8.06.2015	----	Submission of extra copies
		2183525.06.2015	M.D. 61420/16.12.2016.	Submission of archaeological services opinions

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5.	Amendment file pursuant to Article 6 of Law 4014/2011 for the environmental licensing of the amendments at the project sections CH. 31+212 – CH. 85+800 (excluding section CH. 47+313 – CH. 51+843).	15991/18.02.2014	MD 173471/23.06.2014 Decision	Following points 2 & 3, section CH. 14+500 - CH. 85+800, was partitioned at individual subsections. Approved
6.	Environmental Impact Study for the environmental licensing of the amendments of section CH. 47+313 – CH. 52+840.	16362/28.04.2014	MD 173471/23.06.2014	Following points 2&3, section CH. 14+500 – CH. 85+800 was partitioned at individual subsections. Approved.
7.	Report for the definition of procedures of environmental licensing for the Central Greece (E-65) in section of Makrihori – Kalampaka (CH. 85+800 – CH. 137+550) (File under Article 13 of JMD 11014/703/Φ104/2003)	3113/23.07.2009 3786/21.09.2009 4796/27.11.2009 5097/14.12.2009 6005/11.02.2010	----	The design was submitted by EOSA with prot. No. A248145/04.03.2010. The design has been given back by EYPE with prot. No. 122785/26.04.2010.
		12006/04.01.2011	----	Resubmission.
		14130/23.06.2011	Director General for Environment / YPEKA Decision prot. no. 172041/26.11.2013	Resubmission and <u>Approval</u> : Decision of YPEKA General Director prot. No. 172041/26.11.2013.
8.	Environmental Impact Assessment for the relocation of Kalampaka MSS (CH. 132+000) to a new location near Trikala (CH. 117+000)	11990/04.01.2011	----	Submission.
		----	----	Return of the design by EOSA for resubmission (A282383/26.01.2011).
		13178/22.03.2011	----	Resubmission and <u>rejection</u> : Decision of YPEKA General Director prot. No. 172041/26.11.2013.
		19067/27.06.2014	Expected to be approved.	Resubmission.
9.	Environmental Impact Assessment for the Cut & Cover construction in CH. 137+000 with recoverable materials	12854/28.02.2011	----	Submission.
				Return of the design by EOSA for resubmission (A287258/17.03.2011).
		13726/09.05.2011	203583/04.12.2012	Resubmission <u>Approval</u> : no essential differentiations can be expected as regards the environmental impacts, and the environmental terms that have been approved with ETA JMD no. 145521/18.11.2005 are in force.



No	Design Title	J/V submission prot. No.	Decision of Approval	Observations
10.	Environmental Impact Assessment for the Cut & Cover construction in CH. 138+400 with recoverable materials	12854/28.02.2011	----	Submission.
				Negative response EOSA (A287258/17.03.2011) due to the fact that the said project belongs to the JMD 147014/18.11.2005 which is suspended in the interim order of the Council of State
		13726/09.05.2011	----	Resubmission.
11.	EIS for the amendment of the Environmental Terms of north subsection of "Kalampaka Egnatia" section of Central Greece Motorway (E65)	20580/18.12.2014	Expected to be approved.	Submission.
12.	Connecting road from Anavra to Thavmakos (A' Section) of a length of 13,5 km. in replacement of the connecting road Smokovo – Monastiri, of 9 km. approximate length (additional EIS)	12016/05.01.2011	EYPE/YPEKA letter no. 198627/28.05.2012 transmitted to the Directorate of Environment and Spatial Planning of Central Greece due to jurisdiction, in accordance with the new classification of projects and activities of the M.D. 1958/2012 (OGG 21B/13.01.2012)	Since the major section of the proposed alignment of the road is within the limits of Karditsa, the Directorate of Environment and Spatial Planning of Central Greece asks EOAE with a relevant document (prot. no. DI.PE.CHO.S. of Central Greece 2803/117679/12.07.2012) to submit an issue of this EIS to DI.PE.CHO.S. of Thessaly of the Decentralized Administration of Thessaly - Central Greece. The said project does not constitute scope of the Concession Agreement anymore.
13.	Improvement of the Lamia – Karditsa National Road connecting road with Central Greece Motorway at Ksiniada I/C. (EIS)	19516/04.08.2014	Request by the Environmental and Planning Design dpt. of Thessaly Decentralized Administration for the integration of adjacent projects in the EIS (prot. no.	Submission.



No	Design Title	J/V submission prot. No.	Decision of Approval	Observations
			1180/48516/19.03.2015	
		21584/07.05.15 Submission of EIS reviewed.	4644/212888/01.12.2015	Approval. Decision of the Sec-Gen of Central Greece Decentralised Administration no. 4644/212888/01.12.2015.
14.	Study for the Environmental Licensing of the Construction and Operation of the toll stations in Athens – Thessaloniki N.R., in the subsection Skarfia – Thermopiles of Skarfia – Lamia section, in Agia Triada and Molos I/C locations. (File pursuant to article 13 of the JMD 11014/703/Φ104/2003)	3907/28.09.2009	122881/ 08.03.2010 EYPE/ YPEKA	Approved
15.	Study for the Environmental Licensing of the Construction and Operation of the toll stations in Athens – Thessaloniki N.R., in the subsection of Thermopiles I/C beginning – Nea Kiti of Sperchios of Skarfia – Lamia section, in Thermopiles I/C location (File pursuant to article 13 of the JMD 11014/703/Φ104/2003)	4049/08.10.2009	121668/ 08.02.2010 EYPE/ YPEKA	Approved
16.	Study for the Environmental Licensing of the Construction and Operation of the toll stations in Athens – Thessaloniki N.R., in the subsection Roditsa I/C end – Agia Marina I/C beginning of Lamia – Raches section, in Agia Paraskevi and Mavromantila I/C. (File pursuant to article 13 of the JMD 11014/703/Φ104/2003)	4049/08.10.2009	JMD 195214/11.01.2011	Approved
17.	Study for the Environmental Licensing of the Construction and Operation of the toll stations in Athens – Thessaloniki N.R., in the subsection of Agia Marina I/C beginning, Stylida –Raches I/C of Skarfia - Raches section, in the locations of Agia Marina I/C, Stylida and Stylida I/C – Karavomilos.(File pursuant to article 13 of the JMD 11014/703/Φ104/2003)	4049/08.10.2009	121667/ 08.02.2010 EYPE/ YPEKA	Approved



S/N	Design Title	J/V submission prot. No.	Decision of Approval	Observations
18.	Technical Environmental Study of Trikala and Administration building, Technical Environmental Study (TEPEM) of Trikala Frontal Toll Station and Administration building, Proastio I/C Lateral Toll station and Trikala I/C Lateral Toll Station	21132/01.04.2015		Submission.
		21887/06.07.2015		Submission of extra copies
		12.10.2015	100775/05.02.2015 DIPA/YPEN	Submission of horizontal alignments of the under-approval Toll Stations with the approved expropriation limits of the motorway.
19.	Environmental Impact Study (EIS) for the environmental licensing of the Toll stations and the Administration building of the Motorway "E-65": Sofades Frontal Toll Station and Administration building and Anavra I/C Lateral Toll Station	21343/01.04.2015		Submission.
		21700/28.05.2015		Submission of positive opinions of the archaeological services.
		21958/16.07.2015		Submission of extra copies.
		22451/12.10.2015		Submission of the positive opinion no. 1437/73083/24.06.15 of the forestry of Karditsa regarding the environmental licensing of Anavra I/C lateral toll station and Sofades frontal toll station with the administration building.
		22766/01.12.2015	MD 24355/13.05.2016	Submission of horizontal alignments of the under-approval Toll Stations with the approved expropriation limits of the motorway. Approved
20.	Renewal File of Environmental Terms of the project: "Central Greece Road Axle (E65), Makrihori – Lamia Section" – ETA JMD 144504/18.11.2005 as amended and in force.	22295/11.09.2015		Submission.
		22506/23.10.2015	151991/16.12.2015.DIPA/YPEN	Submission of extra copies Approved
21.	Renewal File of Environmental Terms of the project: "Central Greece Road Axle (E65), Makrihori – Kalampaka Section" – ETA JMD 1445521/18.11.2005 as amended and in force.	22295/11.09.2015		Submission.
		22506/23.10.2015	151991/16.12.2015.DIPA/YPEN	Submission of extra copies
	Annual Environmental Report No.8, January 2016			Approved

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22.	Renewal File of Environmental Terms of the project: "Central Greece Road Axle (E65), Kalampaka – Egnatia Odos I/C Section and Agia Paraskevi for its connection with Egnatia Odos" – ETA JMD 147-14/11.11.2005 as amended and in force.	22295/11.09.2015		Submission.
		22506/23.10.2015	151991/16.12.2015 DIPA/YPEN	Submission of extra copies Approved
S/N	Design Title	J/V submission prot. No	Decision of Approval	Observations
23.	Environmental Impact Study for the amendment of the Environmental Terms Approval Decision for Makrihori – Lamia, and more specifically for: <ul style="list-style-type: none"> the amendment of the Lamia I/C system at CH. 5+500 according to the Decision no. A/6/00/01/01/20112/28.11.2013 of the Minister of Infrastructure, Transport and Networks the modifications of the motorway at section CH. 14+500 – CH. 24+500 	22465/15.10.2015	M.D. 61420/16.12.2016	Approved
24.	Environmental Impact Study for the amendment of the approved Environmental Terms (JMD EPO 147014/18.11.2005) of Central Greece E65 road axle at Kalampaka – Egnatia section, subsection CH. 137+550 – CH. 148+135 (CH. 137+550 – CH. 148+035 of the environmentally approved alignment)	24108/19.07.16	Expected to be approved	Submission

4.1.3 Special Designs

No special designs have been prepared during 2016.

- Special Service for Quarries Restoration (borrow pit) of a surface of 17.605m² 605m2 in the region of Smokovo dam, Municipal District of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa



- Special Study for Quarries Restoration (borrow pit) of an area of 68.586m2 in the region of Smokovo dam, Municipal District of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa



- Special Study for Quarries Restoration (borrow pit) at “Leimani”, Municipal District of Menelaida, Municipality of Sofades, Prefectural Unit of Karditsa for the construction of E65 motorway, section CH. 31+000 – CH. 85+000

4.2 ANTIQUITIES

The Constructional Joint Venture is in direct communication with the competent archaeological services. Based on the Concession Agreement and the Design/Construction Agreement, the J/V is responsible for performing trial archaeological cuts following the competent authority's instructions.

The following table (table 4.2-1) presents in detail the up-to 31.12.2016 situation performed in the reserved areas.



TABLE OF RESERVED AREAS FROM ARCHAEOLOGICAL SERVICE CH. 32+000 - CH. 111+000, DECEMBER 2016

S/N	CH. Start	CH. Finish	Place Name	Blocked-on Doc.	Free-on Doc.	Remarks	Actual Date for area completion/degradation/release	Works Fault Length – Description of technical scope
1	46+600	54+000	Ktimeni			Monitoring deforestation of dense vegetation and excavation of the main axis and structures by the Archaeological Service in accordance with the Ephorate of Antiquities of Karditsa letter with prot. no. 203638/120225/2201/63/05.08.15 (J/V 22189).		
2	67+380		Mavrahades Sofades	Karditsa Ephorate of Antiquities: 36370/20812/311/86/09.02.16 (JV 23263)		The Ephorate of Antiquities of Karditsa informed the J/V with its letter with prot. no. 36370/20812/311/86/09.02.16 (J/V 23263) that residues were identified in the trench of the western side.		Western drainage trench
3	86+595	86+666	Ag. Varvara Myrinis	Karditsa Ephorate of Antiquities: 412/03.12.14 (J/V 20655) & 203638/120225/2201/63/05.08.15 (J/V 22189)		Localization of findings on November 2014. Archaeological dig in progress. The Ephorate of Antiquities of Karditsa informed the J/V with its letter no. 4125/4/18.01.16 (J/V 23154) that the excavation works are expected to be completed up until the end of March 2016. The Ephorate of Antiquities of Karditsa informed the J/V with its letter no. 1424/318/19.05.16 (J/V 23808) about its proposal for release of the site of the drainage trench upon supervision by the Service of the excavation works and re-configuration of the slopes and exception from the total excavation of sections CH. 86+556,7 – 86+558,1 and CH. 86+558,8 – 86+561, where the degradation of the findings and the completion of the excavation are pending. The decision of the Central Archaeological Council (KAS) is pending.		Eastern Drainage Trench D279.

4.3 ENVIRONMENTAL MONITORING

4.3.1 Waste Management

All types of waste are being managed based on the requirements of the Greek legislation for the environment and the environmental terms of the project. For the construction of the project, worksites manage waste in accordance with the directives for environmental management, which will be monitored by the Department for the Environment of the Joint Venture, until the completion of the Design - Construction Period.

The following table (table 4.3.1-1) presents the method of waste management as well as the quantities of waste which were ecologically managed within 2016 under the construction of the project.

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Table 4.3.1-1:
Waste Disposal Table 2016

Waste management outside the Installation								
Waste type (6-digit code E.W.C.)	Waste description according to the <u>European Waste Catalogue</u>	Quantity of waste the management of which was held outside the installation of the reference year (t)	Waste Collector Name	YPEHODE registration no. / Collector Licence no.	The relevant Identification forms for the collection and transportation are completed? (Yes/No)	Waste Reception Facility Name	Management work of the column waste quantity	Licence no.
130206 *	130206 * waste engine, gear and lubricating oils	15,290	CYTOP S.A. ELTEPE ENVIRONMENTAL		Yes	CYTOP S.A. ELTEPE ENVIRONMENTAL		60165/1724/4-12-2013
160107 *	160107 * oil filter	3,4	POLYECO	51662/4390/ 26-09-2013 YPEKA	Yes	POLYECO		EYPE 168510/31-05-2013
170405	170405 iron and steel	126,880	KEFALINAKIS S.A.		Yes	KEFALINAKHS S.A.		4066/166024/9-10-2013 Decentralized Administration of Central Greece – Thessalia
200301	200301 mixed municipal waste	12,50	Municipality of Trikala Municipality of Sofades Municipality of Karditsa		No			
160103	end-of-life tires	2,00	RODITIS ALKIVIADIS	15744/16/12/ 1996 PREFECTURE OF KARDITSA		ECOELASTIKA		DECENTRALISED ADMINISTRATION OF ATTICA Φ6746/3820/ΠΕΡΙΒ-ΣΑ/ 19/09/2013
200133	Unsorted batteries	0,01	POLYECO	51662/4390/ 26-09-2013 ΥΠΕΚΑ	Yes	POLYECO		EYPE 168510/31-05-2013

160506	Laboratory waste	1,6	ENVIROCHEM	52428/4405/ 29-09-2013 ΥΠΕΚΑ	Nci	AVG, Borsigstrabe 2,22113 Hamburg		
TOTAL		125,62						
Waste storage within the Installation (Temporary storage)								
Waste type (6-digit code <i>E.W.C.</i>)	Waste description according to the <i>European Waste Catalogue</i>	Waste quantity stored within the installation during the reference year (t)	Quantity of stored waste from previous years (t)		Storage commencement year	Total quantity of stored waste from previous years and until the end of the reference year (t)		
160107 *	oil filter	0,6t	0,00		2016	0,6		
160103	end-of-life tires	0.72t	0,00		2016	0,72		
130206	Synthetic waste engine, gear and lubricating oils	0.2t			2016	0,3		
160601	Lead batteries	41 unit (0,75t)			2016	0.75		
160506 *	Laboratory chemicals consisting of dangerous substances or containing dangerous substances, indicating mixtures of laboratory chemicals	0.117t			2016	0.117t		
170405	Iron and steel	2,5t			2016	2,5t		
TOTAL		5,03t	0,00		2016	5,03t		

4.3.2 Air Pollution

A parameter control plan is applied in order to reduce impact on the community, on the natural environment, etc.

According to the Environmental Impact Assessment (EIA) of the road works, no excess of dust emission limit is expected greater than 20m from the works at all the length of the motorway under construction and worksite areas. However, all necessary measures to reduce dust emission are taken, such as water springing, filter bags etc.

Up to date, there are no complaints - reminders from the air pollution resulted by the construction of the project.

4.3.3 Vibrations

A parameter monitoring plan is under development in order to reduce impact on the community, traffic, public utility networks, etc. Up to date, there are no complaints - reminders from the vibrations resulted by the construction of the project. It has to be noted that all materials extraction sites proposed by the Construction J/V (excluding the borrow pits of Kokkalitsa – BP3N6), for the needs of the construction of the road project, do not require the use of explosives for their exploitation. Moreover, all the works producing strong vibrations are located in long distance from the sensitive indicators.

Up to date, there are no complaints - reminders from the air pollution resulted by the construction of the project.

4.3.4 Noise

To record noise during the construction stage, measures were taken during the period from 02-2016 to 05-2016. At this time period, the work fronts to which measurements were performed are the following:

- Excavation works at CH. 58+000 (Anavra settlement)
- Construction works at CH. 53+800
- Construction – restoration works at former ΧΑΔΑ (site for uncontrolled disposal of waste) at CH. 108+500 at the Municipality of Trikkaia.

To record noise during the construction stage, measures were taken during the period from 02-2016 to 05-2016. At this time period, the work fronts to which measurements were performed are the following:

- Excavation works at CH. 58+800 (Agios Stefanos settlement)
- Construction works at CH. 53+000 (Anavra settlement)
- Construction – restoration works at former ΧΑΔΑ (site for uncontrolled disposal of waste) at CH. 108+500 at the Municipality of Trikkaia.

The specific measurements feature sampling of noise emissions during the construction works.

The above mentioned measurements record the noise emitted during the operation of the machines at the worksites.

For the execution of the noise emission measurements, the following instruments of a CASTLE type 2 Integrating precision Echo meter, model GA 216 I were used, in compliance to IEC61672-1-2002 specifications.

Precision sound level meter of type 2 CASTLE, model GA 216 I, according to the specifications IEC61672-1-2002.



The aim of noise measurement is to record noise emissions from the construction works in conjunction with the possible points of increased noise, in order to take all noise protection measures required. For the specific aim, at every measurement the Leq noise indices were recorded: Equivalent constant sound level (in compliance to IEC 651) in dB (A).

The time period of the sampling noise measurements was 7-10 min; that is the time required to fully record the noise incident.

The sampling measurements were taken in the perimeter of each work spot (location A1) and at a distance of 200m (location A2) during the operation of various types of machines. The purpose of these measurements to record the acoustic environment that was includes noise caused by the construction and noise caused by other sources, which may affect adversely the adjacent to the worksite areas and the structure faces there.

4.3.4.1 Results of sampling measurements

According to the results of the above mentioned measurements, the noise emitted due to various construction works doesn't affect any area close to the works. All works following the measurements carried out, were performed based on the applicable limits provided by the standing legislative framework, as well as from the Environmental Terms of the "Aftokinitodromos Central Greece Motorway E65" project for Lamia – Makrihori section (CH. 0+000 – CH. 85+800) and Makrihori – Kalampaka section (CH. 85+800 – CH. 137+550) (S1 and S2) (JMD 144504/18-11-2005 and JMD 145521/18-11-2005).

The noise measurements will continue to occur throughout the construction phases so that, in case of limit exceedance, to take the necessary noise protection measures.

Up to date, there are no complaints - nuisances from the noise resulted by the construction of the project.

4.3.4.1.1 Period 02.2016 – 05.2016

During the noise emission measurements, smooth atmosphere conditions were observed, whereas no other source of noise was detected with the exception of the usual ambient noise and the worksite sources, except for the worksite

The average atmosphere conditions during the noise measurements were the following:

- Temperature from 12 to 33oC
- Sunlight
- Weak winds

The results of the measurements are presented in the following tables per section and per construction front.

- The location related to point A1 is located at a distance of approximately 250m from the excavation front and at a point where there is and operates a Restaurant/Taverna.

CH. 53+800			
MAP POINT	COORDINATES (ΕΓΣΑ 87)		RESULT (dB)
	X	Y	
A1	335912	4335442	65,9

- The location related to point A2 is located at a distance of approximately 400m from the excavation front and approximately 450m from the nearest settlement of Anavra. Therefore, the settlement of Anavra is about 1 km. far from the source causing the noise.

TRENCH - CH 58+500			
MAP POINT	COORDINATES (ΕΓΣΑ 87)		RESULT (dB)
	X	Y	
A2	331320	4339377	58,8

- In this particular structure face, restoration works of former site for uncontrolled disposal of waste (ΧΑΔΑ) are carried out with stone columns. At a distance of approximately 100m, there are installations but there is no limit exceedance.

BRIDGE - CH. 108+500			
MAP POINT	COORDINATES (ΕΓΣΑ 87)		RESULT (dB)
	X	Y	
A3	312102	4379579	67,2

4.3.4.1.2 Period 06.2016 – 11.2016

During the noise emission measurements, smooth atmosphere conditions were observed, whereas no other source of noise was detected with the exception of the usual ambient noise and the worksite sources.

The average atmosphere conditions during the noise measurements were the following:

- ┌ Temperature from 12 to 33o C
- ┌ Sunlight
- ┌ Weak winds

The results of the measurements are presented in the following tables per section and per construction front.

- ┌ The location related to point A1 is located at a distance of approximately 250m from the excavation front and at a point near the settlement of Agios Stefanos

<i>CH. 33+000</i>			
MAP POINT	COORDINATES		RESULT (dB)
	X	Y	
A1	348636	4320930	66,7

- ┌ The location related to point B1 is located at a distance of approximately 400m from the excavation front and approximately 450m from the nearest settlement of Anavra. Therefore, the settlement of Anavra is about 1 km. far from the source causing the noise.

<i>TRENCH - CH. 58+500</i>			
MAP POINT	COORDINATES		RESULT (dB)
	X	Y	
B1	331317	4339372	61,2

- ┌ In this particular structure face, restoration works of former site for uncontrolled disposal of waste (ΧΑΔΑ) are carried out with stone columns. At a distance of approximately 100m, there are installations but there is no limit exceedance.

<i>BRIDGE - CH. 108+500</i>			
MAP POINT	COORDINATES		RESULT (dB)
	X	Y	
C1	312114	4379570	68,9

4.3.5 Water resources

All measures related to the prevention of pollution - burden to the waters through methods of good worksite practice and their monitoring, under the Program of Environmental Monitoring and Control, are taken. For the specific purpose, holding tanks connected to oil removers have been developed at various worksites aiming to the monitoring of the perimeter at the source of pollution (runoff tanks). PH measurements at the exit of the tank and at its confluence to the natural recipient showed that the PH of the waters of the natural recipient remains stable.

At the protection of the water resources framework, specialized risk assessment studies for the treatment of accidental pollution and the avoidance of pollution of ecologically sensitive wetlands of:

- Sperchios river
- Kalentzis river
- Pinios river
- Reservoir of Smokovo
with oils or hazardous substances.

Also, in the protection of the water resources framework during the development of the project phase, a series of measures are taken, featuring the operation of oil removers, settling tanks, biological cleaning, chemical toilets, etc.

Finally, the use of hazardous substances is limited to the minimum required, as is the case with other substances that may alter the qualitative characteristics of the water sources.

4.3.6 Natural Environment

During the construction, the Construction J/V applies a special monitoring program for wildlife under the Environmental Terms of the Project which has been completed. The results of the monitoring program were submitted quarterly to the Division of Environmental Planning of YPEKA.

It is noted that the monitoring program includes:

- A. The preparation of a new program by the J/V – E-65 (Contractor: NGO Callisto) during 2009 – 2010, for E-65 from CH. 43+000 – CH. 60+000 and
- B. Update of the proposals which had been expressed for E-65 from CH. 20+000 to CH. 47+000 approximately, in the framework of the “Monitoring Program of the wolf and the big mammals”, drawn up on 2005 - 2006 by ERGOSE for the project of the New rail line between Lianokladi RS - Domokos RS (Contractor: D. Argyropoulos, SSE EPE, GAMMA4 EPE and G. Giannatos with Callisto NGO as a special partner), due to the proximity of the two projects and their synergistic consequences. The update of the proposals for CH. 20+000 to CH. 43+000 was based on the data of ERGOSE program (2005 - 2006) as well

on the new data (works and methods of field, results – analysis, literature reviews) resulted by the preparation of the E-65 J/V (2009 - 2010) program.

Also, the monitoring program takes into consideration the data resulted by the preparation of corresponding programs in the broader area. Particularly in the north part of the area of the project, a relevant monitoring program of the wildlife has been developed (first phase) under Egnatia Odos SA responsibility. It has to be noted that the works in the north part of the project area didn't start yet since, under the Council of State's temporary order, the said section was under suspension and does not constitute our J/V's contractual scope.

The ultimate goal of the above is the most comprehensive handling of the effects caused by the large infrastructure projects in the ecosystem (fauna) of the project area. Two most recognized non-governmental organizations, 'Arcturus' and 'Callisto' are also involved in the overall effort.

All required fauna passes resulting from the final results of the fauna monitoring program have been incorporated in the environmentally licensed project and are under construction. Most important of these, due to their expected use and due to their size, located in CH. 43+856 (Fauna upper-pass of a width of approx. 30m.) and CH. 46+937 (Fauna under-pass 25,5X4,5m.).

4.4 ENVIRONMENTAL ACCIDENT

There is a prediction for management and dealing with incidents of "fire in vegetation", as well as environmental accident, i.e. leakage of substances etc.

4.5 ENVIRONMENTAL COST

Pivot table of Economic data for the environmental protection projects that have taken place during 2016 are set out in the pivot table below.

s/n	EXPENSES for the PROTECTION of the ENVIRONMENT	AMOUNT (€)
	<u>Personnel expenses and other expenses</u>	
1.	Personnel Expenses for the management of the environmental issues and the EMS	40.000,00
2.	Other expenses (travels, consumables, etc.)	5.500,00
	<u>Studies Elaboration</u>	
3.	Technical Environmental Studies (TEPEM) of adjacent projects	6.500,00
4.	Additional EIS and amendment/ E.T. renewal files.	11.000,00

s/n	EXPENSES for the PROTECTION of the ENVIRONMENT	AMOUNT (€)
5.	Special Studies (Special Study of Quarry Rehabilitation (ΕΜΑΛ), Environmental Rehabilitation Technical Study (ΤΜΠΑ), etc.)	4.960,00
	<u>Worksite Expenses</u>	
6.	Ag. Theodoroi Worksite	51.000,00
7.	Trikala Worksite	70.000,00
8.	Anavra Worksite	168.000,00
	<u>Anti-pollution Projects</u>	
9.	Restoration of site for uncontrolled disposal of waste (ΧΑΔΑ) of Trikala (Antealaka)	3.000.000,00
10.	Restoration of old quarry at the location of "Aploma"	83.000,00
	Total	3.439.960,00

It should be noted that part of the environmental expenses is included in the subcontractors' remuneration that take place in the construction of the project. Also, it should be noted that the above table does not include the projects arising from the environmental commitments, such as bypasses due to archaeological commitments, configurations and increase of the structures dimensions to facilitate the fauna, etc., which are not yet evaluated.

4.6 NEXT YEAR ANTI-NOISE AND ENVIRONMENTAL PROTECTION PROJECTS

Anti-pollution and environmental protection projects that may take place in 2017 may include:

- Fauna crossing structures construction
- Construction/maintenance of new/old anti-pollution sites, such as settling tanks, special waste storage, etc., supply/maintenance of equipment.
- Landscape studies elaboration
- Studies Network primary & secondary irrigation network green.
- Greenery Management/Maintenance works, planting works
- Elaboration of special environmental studies for licensing any new required ancillary works
- Development of specific environmental studies resulting from E.T. (e.g. risk assessment studies)
- Preparation and submission of environmental studies for environmental licensing of changes - improvements to the basic design.
- Monitoring E.T. implementation as part of the project environmental management plan implementation in the construction phase.
- Construction of leaks reservoirs and retention basins in tunnels
- Restoration of borrow pits/quarries/disposal pits.