


SEMI-ANNUAL PROGRESS REPORT FOR THE IMPLEMENTATION OF ENVIRONMENTAL TERMS DURING THE OPERATION & MAINTENANCE PHASE

PROJECT: "DESIGN –CONSTRUCTION – FINANCING –OPERATION – MAINTENANCE AND EXPLOITATION OF THE PROJECT "IONIA ODOS MOTORWAY FROM ANTIRRIO TO IOANNINA, ATHENS PATHE (METAMORFOSSI I/C) - MALIAKOS (SKARFIA) AND CONNECTING BRANCH OF PATHE SCHIMATARI – CHALKIDA"

Date	31.01.2016
Prepared	

B' SEMESTER 2015

METAMORFOSSI – YLIKI

(JMD ETA 126119/08.02.2007)

A' Amendment: JMD ETA 200817/23-7-2012

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
A.	Issues of Permits/Approvals	
A.1	Permits for any activity or installation required for the operation of the motorway	<p>The foreseen by the legislation permits and approvals, including the environmental permit possibly required, are obtained, when needed.</p> <p>For the implementation of any partial additional activity or expansion that is not described in the Environmental Impact Assessment (EIA) and consequently not covered by the Approval of Environmental Terms (AET) a relevant environmental permit shall be obtained by DIP/YPAPEN.</p> <p>The requests for granting environmental permit to the ancillary works carried out by DIP/YPAPEN regardless the category they fall, in accordance with the Joint Ministerial Decision No. 16393/2332/5.8.2002.</p>
A.2	Ancillary Works	
A.3	Archaeological Services	<p>The term regarding the Archaeological services refers to the construction and is being complied with.</p> <p>The proposed by EIA location for the Motorists Service Stations in Afidnes was dismissed relinquished. The final locations of the Motorists Service Stations for the section 'Metamorfossi - Ylik' are located in Malakassa (CH. 38+200), while the building of the Management is built in Varibobi. Therefore, the ecclesiastic monument is not affected and no measures are required for its protection.</p>
B.	Design-related Issues	
B.1	Environmental Impact Studies EIA	<p>Pursuant to the environmental terms and the legislation in force, in case of minor changes or modifications of the project, as described in the Environmental Terms and the EIA, a file should be elaborated pursuant to those set in Article 6 of Law 4014/2011 (OGG 24A/2011) or/and EIS in accordance with Articles 2 and 3 of the same Law. A file no. EYPE 173067/5-6-2014 amending the environmental terms of the section Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE for the environmental licensing of 10 parking areas and 2 location areas of the MSSs in Martino (direction Athens and direction Lamia) has been submitted. The amendment file was approved by DIP with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015 and is under approval.</p>
B.2	Noise Barriers Special Study	<p>The specificity of the noise prevention measures has been specifically studied in accordance with the Technical Specifications (No. Pr. 57728/27-09-2001 Directorate EARTH (Air Pollution and Noise Control) - YPEHODE),</p>

		<p>approved by EYPE/YPEHODE with the relevant 143730/10-11-2009.</p> <p>This study determines, by using appropriate models and methodologies (according to JMD 13586/724 (03.28.2006 OGG 384) and European Directive 2002/49/EC), the type and efficiency of the anti-noise measures (noise barriers), the technical characteristics and their adaptation to the topological characteristics of the region. Upon relaunch of the construction works, their implementation has already been initiated and is expected to be completed very soon.</p> <p>Detailed data on the individual noise barriers along PATHE were presented in the Annual Report of O.K.TH. (Road Traffic Noise) whereby they were determined and the representative positions of the Road Traffic Noise measurements, necessary to monitor the Road Traffic Noise temporal fluctuation.</p> <hr/> <p>The Special Acoustics Study – Dimensional Barriers has already been submitted and approved by EYPE/YPEHODE (protocol no. 143730/10-11-2009) for the section of PATHE: METAMORFOSSI I/C – MALIAKOS (SKARFIA) & CONNCETING BRANCH SCHIMATARI – CHALKIDA.</p> <p>In the context of the said STIS that is related to the PATHE Motorway from Metamorfossi to Agios Konstantinos, noise measurements determining the positions of the excess and the anti-noise protection measures have taken place.</p> <p>The Concessionaire prepared and submitted a Special Acoustic Design for Noise Protection with 28085/22-10-2012 Nea Odos letter and it has been approved by the EARTH with 213863/30-11-2012 letter.</p> <p>Those provided in the Special Acoustic Design for Noise Protection are not implemented due to suspension of the works on behalf of the constructor. Following Concession Agreement amendment (Law 4219/2013, OGG A' 269/11.12.2013) the final planning of Varimpompi I/C has been finalized. The said noise barriers are expected to be implemented along with the construction works.</p>
B.3	Technical Report for the Air Pollution Stations	<p>Air pollution measuring stations have been installed and operate in the area of Varimpompi and Schimatari (Prot. No. 185799/8-3-2011 EARTH). The stations operate in a 24-hour basis and the prices of the below pollutants and parameters are recorded:</p> <ul style="list-style-type: none"> a) The pollutants CO, CO₂, NO, NO₂, SO₂, O₃, TSP, PM₁₀, PM_{2,5}, C₆H₆, C₇H₈ and xylene b) The meteorological conditions of each installation area <p>The Concessionaire submitted a Technical Report on location and technical specifications for the installation of additional meteorological monitoring stations (prot. no. 25982/19-03-2012), beyond those conventionally required, for environmental permitting. For the purposes of this report, DIPA had not issued the relevant decision.</p>
B.4	Special Technical Implementation Study – MSS	<p>The responsibility for construction and operation of the MSS will be assigned by the Concessionaire to Contractors.</p>

	and Exploitation & Maintenance Centres (EMC)	<p>The Environmental Terms of the Project shall constitute an integral part of their contractual obligations. When the granting procedure is completed, the Contractor of all MSS will submit the required additional EIS to comply with this condition.</p> <p>For the EMC of Kapandriti and Thiva the corresponding STIS has been prepared and appropriately approved by EYPE (with its letter with protocol no.: 144265/22-9-09).</p> <p>The Concessionaire submitted a new TEPEM which has been approved by DIPA (DIPA prot. no. 15494/29.10.2015) for the relocation of the maintenance building of PATHE motorway from Kapandriti TCC, at Malakassa.</p> <p>Furthermore, the Concessionaire submitted for "Metamorfossi – Yliki" section of PATHE TEPEM for the licensing of the police building relocation from Kapandriti TCC (CH. 29+000) at Afidnes (CH. 26+200) (Prot. no. 40270/03.11.2015) which has been approved by DIPA (prot. no. 153346/15-12-2015).</p> <p>The STIS of the General Administration Building of Varimpompi has been approved by EYPE with its letter no.: 196674/25-02-2011, and the Concessionaire, with prot. No. 36715/16-09-2014, submitted a new TEPEM due to modifications on the Architectural Design for the final environmental licensing of PATHE General Administration Building, at Varimpompi. The study has been approved by DIPA with prot. no. 151044/03.08.2015.</p> <p>The Concessionaire, with prot. no. 37074/03-10-2014, submitted the modification file for the re-installation of the snow-removal station of Varimpompi into a new position, north-west of Varimpompi junction (on CH. 23+400 new NR mileage and within the expropriation limits of the Concession Project).</p>
C.	Operation-related Issues	
C.1	Visual Disturbance caused by signs	All the promotional posters (billboards) and signs located within the concession limits have been removed. There are regular inspections throughout the length of PATHE, and the billboards-signs are removed where identified within the limit of the expropriation.
C.2	Special Care for the protection of Antiquities - operation of EMC	Concerning the term on Special Care for the Protection of Antiquities from the operation of the EMC, the location proposed by EIA for EMC in the area of Afidnes was renounced. The locations of the EMC for "Metamorphossi – Yliki" are finalized in Kapandriti I/C (relocation in Malakassa and Afidnes) and Thiva I/C and the Management building is planned in Varimpompi. Therefore, the ecclesiastical monument is not affected and it is not necessary to take measures for its protection.
C.3	Pollution due to accident	The Intervention Plan for Emergency Situations has been drawn up by the Concessionaire and constitutes an Annex of the Policing & Fire Fighting Agreement signed with the Ministry of Interior. This plan specifies measures

		<p>to timely collect and remove hazardous substances while preventing pollution of the water/soil resources, etc.</p> <p>This Intervention Plan includes all measures/required equipment etc. that will be needed in case of accident and leakage of non-biodegradable substances, including the necessity to construct Pollution Control Units.</p>
C.4	Control of air pollution during the operation	<p>The technical report of layout planning & technical specifications of the air pollution and meteorological data stations for PATHE motorway, has been submitted for approval to EYPE (with NEA ODOS S.A. 19155/01-12-2010 letter)</p> <p>EYPE/YPEKA agreed with the proposed positions and Technical Specifications of the Stations (with the protocol no.: 195241/12-01-2011 letter).</p> <p>EARTH/YPEKA approved positions and Technical Specifications (with the protocol no.: 185799/8-03-2011)</p> <p>The Concession Company submitted with its letter no. 39026/03-02-2015, the annual Air Pollution report for 2014.</p> <p>For 2015, a complete monitoring program on air pollution has been prepared based on the three air pollution stations placed on Varimpompi, Schimatari, Arkitsa (Prot. No.: 185799/8-3-2011 EARTH) and operate 24 hours a day (prot. no. 185799/8-3-2011 EARTH). The air pollution report has been elaborated and is expected to be submitted to the Directorate of KAPA/YPAPEN at the beginning of 2016. A relevant program is going to be implemented and submitted to the Directorate of KAPA/YPAPEN for 2016 as well.</p> <p>Following 2015 recordings of the installed stations and according to the relevant report that has been elaborated, there was no exceedance of air pollution limits resulting from the motorway traffic.</p>
C.5	Noise during the operation	<p>The monitoring program OKTH OF PATHE Motorway (Metamorphossi - Skarfia) for 2014 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved the Monitoring Program of Environmental OKTH 2013, with its 39920/13-08-2015 letter.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers have been determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report. Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically, the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavorable conditions, the measurement is being held closer to the source and to the facade</p>

		<p>the most exposed one. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures.</p> <p>For the implementation of the above OKTH program, the current MD 17252/91 and the European Directive 2002/49/EC are kept, both in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>A similar program is going to be implemented for 2016, which is expected to be submitted to KAPA/YPAPEN for approval.</p> <p>Additionally, a daily monitoring of the traffic flow in the section of PATHE from Metamorfossi to Skarfia is being carried out, at crossings level by all toll stations (Afidnes, Kapandriti, Malakassa, Inofyta, Thiva and Tragana) and submit monthly reports. For 2015, the annual average daily traffic estimated is 19.389 (24.236 ATA) transits in both directions in the section of Metamorphossi - Skarfia of PATHE.</p>
C.6	MSS and EMC	<p>The responsibility for the construction and operation of the existing MSS has been assigned by the TEO to the Contractors. The Environmental Terms of the project shall constitute an integral part of their contractual obligations.</p>
C.7	Maintenance of Vegetation	<p>The term which refers to the maintenance of vegetation, is adhered. The Concessionaire has contracted for the maintenance and management of the vegetation and the plantings with the Subcontractor.</p>
D.	Construction & Maintenance Issues	
D.1	Water flow	<p>During the reference period, the concession company realized culvert and wells cleaning works. The Concession Company's teams carry out inspections and controls in the motorway culverts and trenches and proceed to the necessary cleaning and maintenance works, when necessary. The content of paragraph E.2 of the report on the compliance with the Environmental Terms is valid for the term regarding the water flow.</p>
D.2	Temporary disposal sites	<p>It refers to the construction phase</p>
D.3	Dust control	<p>It refers to the construction phase</p>
D.4	Materials Combustion	<p>Regular controls to ensure compliance of the said ET are conducted and there is no breach of the term. More specifically, the subcontractor of NEA ODOS S.A. (Chr. Keridis S.A.) has a licensed waste collection and the materials are transferred for combustion or use in appropriately licensed premises or in special waste collection areas of the approved alternative management systems.</p>

		<p>Also, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010.</p> <p>For 2014, a table for waste producer was prepared and submitted to the competent Service (prot. no. 39251/11.03.2015) while a similar table has been drawn up and is expected to be submitted for 2015.</p>
D.5	Liquid Waste	<p>A general Environmental Management Plan, which includes procedure ENV-P-01 for handling hazardous liquid waste in compliance with the respective environmental terms and the applicable legislation has been drawn up, submitted and is being implemented. A relevant file with agreements and orders for waste collection of waste management licensed businesses has been created.</p> <p>Inspections are conducted in the areas where construction works are executed and the respective check list is completed. Pursuant to the checks, in case of non-respect of the provisions, instructions are given (corrective actions) for the conformance method. The performance of corrective actions is checked via new inspections based on the check list.</p> <p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4) (c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was prepared and submitted to the competent Service (prot. no.: 39251/11-03-2015), while a similar table has been drawn up and is expected to be submitted for 2015.</p>
D.6	Noise	For the condition relating to noise, See C5
E.	General Issues	
E.1	Obligation to comply with the Environmental Terms	The Environmental Terms of the project are adhered by the construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants.
E.2	Check on compliance with the Environmental Terms and monitoring possibility	An overall Action Plan is being implemented for all the stipulations of the environmental terms. During the operation of the Motorway, the inspection process, which is applied using the relevant Check List in all worksite areas of the PATHE motorway, has been foreseen. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures may arise.
E.3	Construction and Operation Expenses for the protection of the environment	<p>The Concessionaire ensures by priority the required percentage of the total budget of the operation/maintenance works that are necessary for the full compliance with the Environmental Terms and restrictions of the present JMD.</p> <p>A detailed analysis regarding the expenses that are provided for the realization of protection works of the environment is included in the annual progress report on the compliance with the environmental terms.</p>

E.4	Concessionaire's Service for Environment	<p>The Concessionaire disposes a special department for Environment equipped with qualified personnel, which is responsible for the control and the compliance with the Environmental Terms along the Motorway from Metamorfossi I/C to Skarfia. Also, it collaborates with a special advisor in order to form a group of scientists, which shall cover the whole range of environment. The group of scientists consists of a Dr. Civil Engineer, MSc Forester, Environmentalist – Ecologist, MSc Topographer – Environmentalist, Geologist – Environmentalist and Agronomist - Environmentalist, in order to fully cover the supervision needs of the Environmental Terms of the entire project.</p> <p>Under the relevant environmental term, a manual on compliance specifications is required, which is under elaboration as an overall action plan.</p>
E.5	Manual for the specifications on the Environmental Terms compliance	<p>Under the relevant environmental term, a manual on compliance specifications is required, which is under elaboration as an overall action plan.</p>
E.6	Compliance with the Presidential Decree "Kifissos river Protection Zone"	<p>According to this Presidential Decree, the layout planning of any type of worksite installation, storage installation or other installation related to the construction of the project within the boundaries of Kifissos river Protection Zone and its surrounding streams as well as any type of water contamination or environment pollution is strictly prohibited. This requirement has been taken into account and no worksite area within this zone has been planned.</p> <p>It has to be noted that: Pursuant to Article 4, Paragraph 5 of Law 3555 (ratified law of the CA), the P.D. on the protection of Kifissos River (OGG 632D/27-6-94) cannot be implemented for the creation of the MSS, Toll Stations and EMC facilities.</p>
E.7	Submission of annual report to EYPE	<p>The term pursuant to which the Submission of the Annual Report to EYPE is required, is adhered. The annual and 2nd semiannual reports for 2015 have been submitted to EYDE/KESPK&DE with Nea Odos S.A. prot. no. 39275/16-03-2015). Also, Nea Odos S.A., with prot no. 39890/06-08-2015, submitted the 1st environmental report to EYDE/KESPK&DE.</p>
E.8	Reports transmission to the competent bodies	<p>The term regarding the transmission of reports to the competent bodies is adhered. The report is posted on the website of NEA ODOS S.A., www.neaodos.gr</p>
E.9	E.T. controllability by the competent authorities	<p>The annual and semi-annual periodic reports on compliance with the environmental terms are notified to the competent authorities for possible inspections, as set by the relevant term, and are published on the Concessionaire's website. At the same time, the person responsible on behalf of the Concessionaire facilitates any</p>

		inspections to ensure compliance with these terms.
		The EIAs are in the Concessionaire's Headquarters
E.10	Project Environmental Terms Validity	If the environmental terms of this Joint Ministerial Decisions are amended due to the new scientific and technical data in the field of environment protection or due to any other reason, the Joint Venture shall lawfully comply with the new terms. The Environmental Terms shall be in force until 31.12.2016.
E.11	Measures for preventing environmental implications of the EIA and AET	The measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.

YLIKI - KASTRO

(JMD ETA 36118/94/10.07.1995, JMD 101617/22.09.2006 &

A' Amendment: JMD ETA 101617/22.09.2006 &

B' Amendment: JMD ETA 140792/12.06.2009)

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
A.	Issues of Permits/Approvals	
A.1	Permits for any activity or installation required for the operation of the motorway	<p>The foreseen - by the current legislation - installation permits for any activity or installation necessary for the operation of the motorway, as well as approvals - including the environmental permit required -, are obtained when needed.</p> <p>A file with EYPE no. 173067/5-6-2014 amending the environmental terms of Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE has been submitted for the environmental licensing of 10 parking areas and 2 location areas of MSSs (direction to Athens and direction to Lamia) at the area of Martino.</p> <p>The amendment file was approved by DIPA with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015 and is under assessment.</p>
A.2	Forest areas	No need for issuance of permit regarding the term on the Forest Areas. If needed in the future, it shall be adhered.
B.	Design-related Issues	
B.1	Exploitation & Maintenance Centres (EMC) Studies	No EMC construction in Kastro I/C is foreseen.
C.	Construction and Operation Issues	
C.1	Worksite Infrastructure	<p>Nine (9) total stations of snow removal are environmentally licensed (with the protocol no. 122399/1-4-2010 of EYPE) along the Motorway. The installed and operating stations are located in the areas of Malakassa, Schimatari, Akrefnio, Martinos and Tragana.</p> <p>The Concessionaire has signed a contract with the subcontractor for the motorway cleaning and waste harvesting.</p>
C.2	Traffic Noise	<p>The monitoring program OKTH OF PATHE Motorway (Metamorphossi - Skarfia) for 2015 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved, via the 39920/13-08-2015 letter, the Monitoring Program of Environmental OKTH 2014.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers have been</p>

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		<p>determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report. Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavourable conditions, the measurement is being made closer to the source and to the most exposed facade. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures.</p> <p>In order for the above OKTH program to be implemented, both the current MD 17252/91 and the European Directive 2002/49/EC are kept in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>The program for 2016 is being implemented; its completion is expected to be submitted to the Directorate of KAPA/YPAPEN for approval.</p>
D.	Work-site Management and Maintenance Issues	
D.1	Water flow protection	<p>The terms and restrictions set by the said Joint Ministerial Decision on the protection of the waters used for the irrigation of the capital area from contamination and infection are taken into account, as described in various parts of this report.</p>
D.2	Liquid waste	<p>A general Environmental Management Plan, which includes the procedure for handling liquid waste in compliance with the respective environmental terms and the applicable legislation, has been drawn up.</p> <p>Also, the concession company draws up an annual report for waste producer under paragraph 4 (c) of article 11 of JMD no. 13588/725/06, and pursuant to Law 2939/2001 and 3854/2010. For 2013 a respective table of waste producer was drafted and submitted to the competent Service (prot. no.33054/10-02-2014) while a similar table has been drafted and is expected to be submitted at the end of 2015.</p> <p>The Joint Ministerial Decision 71560/3053/ Official Government Gazette 665/B/85 has been replaced by Joint Ministerial Decision 98012/2001/96 (Official Gazette 40B).</p> <p>In any case, regular checks are performed for the respect of the restriction and correct management of oils pursuant to the legislation, via inspections and questionnaire filling. The management of oils is conducted via licensed bodies, while the relevant file of acceptance documents and agreements is kept.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
D.3	Solid waste	<p>Recommendations, through regular inspections and check lists, are made when the rational and correct procedures for handling solid waste are not met. The immediate compliance with the stipulations of the Environmental Management Plan for the correct practice in waste management is checked. The subcontractor of Nea Odos S.A. disposes a permit on the collection of waste and the materials are transferred in appropriate licensed areas for combustion or for other use.</p> <p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010.</p> <p>For 2014, a table for waste producer was prepared and submitted to the competent service (prot. no.: 39251/11.03.2015) while a similar table has been drafted and is expected to be submitted for 2015.</p>
D.4	Fire prevention	It has been ensured that, both for vehicles and project machines as well as in the worksite, the relevant firefighting means are in good condition and available for use in emergency situations.
E.	General Issues	
E.1	Obligation to comply with the Environmental Terms	The Environmental Terms of the project are obligatorily adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants)
E.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>The Concessionaire has taken all necessary measures in order for the compliance with the ET to be ensured and for unacceptable environmental situations to be restored.</p> <p>An overall Action Plan for the monitoring of Environmental Terms for the entire project of PATHE has been elaborated and is implemented. This Action Plan includes protective measures for all the stipulations of the environmental terms.</p> <p>More specifically, a Check List, which is provided in the Action Plan and is applied in all worksite areas of the PATHE motorway, has been completed. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures arise.</p> <p>Furthermore, the Concessionaire cooperates with a special advisor in order for a group of scientists to be formulated, which shall cover the whole range of environment. The group of scientists consists of a Dr. Civil Engineer, MSc Forester, Environmentalist – Ecologist, MSc Architect Environmentalist, MSc Topographer – Environmentalist, Geologist – Environmentalist and Agronomist - Environmentalist, in order to fully cover the supervision needs of the Environmental Terms of the entire project.</p>
E.3	Operation Expenses for the protection of the	The Concessionaire ensures by priority the required percentage of the total budget of the motorway which is necessary for the full compliance

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	environment	<p>with the Environmental Terms and restrictions of the present JMD.</p> <p>A detailed analysis regarding the expenses is included in the annual progress report on the compliance with the environmental terms.</p>
E.4	Reports Transmission to the competent bodies	<p>The term is adhered. The annual and 2nd semiannual reports for 2014 have been submitted to EYPE via NEA ODOS S.A. 39275/16-03-2015 letter to EYDE/KESPK&DE while the 1st semiannual report of 2015 was submitted to EYDE/KESPK&DE with prot. no. 39890/06-08-2015 Nea Odos S.A. letter.</p>
E.5	Project Environmental Terms Validity	<p>The Environmental Terms shall be in force until 31.12.2016.</p> <p>If the environmental terms of this Joint Ministerial Decisions are amended due to the new scientific and technical data in the field of environment protection or due to any other reason, the Joint Venture shall lawfully comply with the new terms.</p>
E.6	E.T. controllability by the competent authorities	<p>The EIS and their approval as well as the environmental licensing of the adjacent works are located at the Concessionaire's headquarters. Digital copies of the respective permits are located at the regional maintenance and operation motorway centers.</p>

KASTRO - TRAGANA

(JMD ETA 33838/94/10.07.1995,

A' Amendment: JMD ETA 103909/12.05.2006

B' Amendment: JMD ETA 139132/30.04.2009)

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
A.	Permit/Approval Issues	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	<p>The procedures regarding the environmental permit and other permits or approvals are being followed.</p> <p>A file with EYPE prot. no. 173067/5-6-2014 amending the environmental terms of Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE has been submitted for the environmental licensing of 10 parking areas and 2 location areas of MSSs (direction to Athens and direction to Lamia) at the area of Martino.</p> <p>The amendment file was approved by DIPA with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015 and is under assessment.</p>
B.	Operation Issues	
B.1	MSS - Parking areas	<p>For the Motorists Service Station at the proposed location of the EIA a file amending EYPE (DIPA no, 173067/5-6-2014 see paragraph A.1) was submitted. The amendment file was approved by DIPA with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015 and is under assessment.</p> <p>Upon approval of the EIS, its construction works are expected to commence.</p>
B.2	Traffic Volume	<p>Daily monitoring of traffic volumes in PATHE section from Metamorfossi to Skarfia, at crossings from all the toll stations (Afidnes, Kapandriti, Malakassa, Inofyta, Thiva and Tragana) is carried out and monthly reports are submitted. For 2015, the Annual Average Daily Traffic was 19.389 (24.236) transits for both directions in Metamorfossi – Skarfia section of PATHE.</p>
B.3	Worksite Infrastructure	<p>Nine (9) total stations of snow removal environmentally licensed (with the protocol no. 122399/1-4-2010 of EYPE) along the Motorway. The installed and operating stations are located in the areas of Malakassa, Schimatari, Akrefnio, Martinos and Tragana.</p> <p>The Concessionaire has signed a contract with the subcontractor for motorway cleaning and waste harvesting.</p>
B.4	Traffic Noise	<p>The monitoring program OKTH of PATHE Motorway (Metamorphossi - Skarfia) for 2015 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved the Monitoring Program of Environmental OKTH 2015, with the 39920/13-08-2015 letter.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers have been determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report.</p> <p>Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the</p>

		<p>limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavorable conditions, the measurement is being made closer to the source and the facade the most exposed one. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures.</p> <p>In order for the above OKTH program to be implemented, both the current MD 17252/91 and the European Directive 2002/49/EC are kept in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>A relevant program is going to be implemented for 2016; it is expected to be submitted to KAPA/YPAPEN for approval.</p>
B.5	Air pollution during the operation	<p>The technical report on the layout planning location and technical specifications of the air pollution and meteorological monitoring stations for PATHE motorway was submitted for approval to EYPE (with a Ref 19155/01-12-2010 document of NEA ODOS S.A.).</p> <p>EYPE/YPEKA agreed with the proposed positions and the Technical Specifications of the Stations (with the protocol no.: 195241/12-01-2011 letter).</p> <p>EARTH/YPEKA directorate approved the positions and the Technical Specifications (with the protocol no.: 185799/8-03-2011).</p> <p>The Concessionaire submitted, with letter no. 39026/03-02-2015, the Air Pollution annual report for 2014.</p> <p>For 2015, a complete monitoring program on air pollution is being implemented based on three air pollution stations placed on Varibobi, Schimatari, Arkitsa (Prot. No.: 185799/8-3-2011 EARTH) which operate 24 hours a day. The air pollution report has been elaborated and is expected to be submitted to the Directorate of KAPA/YPAPEN at the beginning of 2016. A relevant program is going to be implemented and submitted to the Directorate of KAPA/YPAPEN for 2016 as well.</p> <p>Based on the recordings for 2015 of the installed stations and pursuant to the relevant report already drafted, there has been no excess of limits of the air pollution waste arising from the motorway traffic.</p>
B.6	Liquid Waste generated by the operation	<p>A general Environmental Management Plan, which includes procedure ENV-P-01 for handling hazardous liquid waste in compliance with the respective environmental terms and the applicable legislation, has been elaborated and submitted. A relevant file with agreements and orders for waste collection of waste management licensed businesses has been created for the subcontractors.</p> <p>Inspections are conducted in the areas where construction works are executed and the respective check list is completed. Pursuant to the checks, in case of non-respect of the provisions, instructions are given (corrective actions) for the conformance method. The performance of corrective actions is checked via new inspections based on the check list.</p> <p>Furthermore, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 39251/11-03-2015), while a similar waste producer table for 2015.</p>
D.	Construction and	

Maintenance Issues		
D.1	Waste Management	<p>Recommendations, through regular inspections and check lists, are made when the rational and correct procedures for handling solid waste are not met. After the completion of works, the subcontractor is obliged to deliver the area of works free of waste. The term is adhered. Furthermore, the subcontractor of Nea Odos S.A. collects the waste produced by the operation and maintenance of the motorway, and transfers them in appropriate collection areas of approved management licensed systems.</p> <p>Furthermore, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2015, a table for waste producer has been drafted and is expected to be submitted to the competent service (prot. no. 39251/11-03-2015), while a similar table has been drafted and is expected to be submitted for 2015.</p>
D.2	Material Combustion	<p>Regular inspections are carried out in order to ensure compliance with the said E.T. Furthermore, the subcontractor of NEA ODOS S.A. disposes a license on waste collection and the materials are transferred for combustion or for other use in appropriately licensed spaces. Furthermore, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 39251/11-03-2015), while a similar table has been drawn up and is expected to be submitted for 2015.</p>
D.3	Waters and soil protection from the maintenance	<p>The JMD 71560/3053/OGG 665/B/85 has been replaced with the JMD 98012/2001/96 (OGG 40B).</p> <p>An overall Environmental Management Plan has been prepared, where the procedure on the waste management pursuant to the environmental terms and the current legislation is included.</p> <p>Receipt documents of that kind of waste and the relevant agreements are filed.</p> <p>Furthermore, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 39251/11-03-2015), while as similar table has been drafted and is expected to be submitted for 2015.</p>
E. General Issues		
E.1	Obligation to comply with the Environmental Terms	<p>The Environmental Terms of the project are adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and its consultants.</p>
E.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>The Concessionaire has taken all necessary measures to ensure compliance with the Environmental Terms and to be able to resolve and restore any unfavourable environmental situations.</p> <p>An overall Action Plan for monitoring the Environmental Terms of the PATHE Project has been drawn up and is currently being implemented. This Plan includes protection measures for all foreseen situations in the environmental provisions.</p> <p>More specifically, a Check List, which is provided in the Action Plan and is applied in all worksite areas of the PATHE motorway, has been completed. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures arise.</p>

		Furthermore, the Concessionaire collaborates with a special advisor in order to form a group of scientists, which shall cover the whole range of environment. The group of scientists consists of a Dr. Civil Engineer, MSc Forester, Environmentalist – Ecologist, MSc Topographer – Environmentalist, Geologist – Environmentalist and Agronomist - Environmentalist, in order to fully cover the supervision needs of the Environmental Terms of the entire project.
E.3	Construction and Operation Expenses for the protection of the environment	The Concessionaire ensures by priority the required percentage of the total budget for the full compliance with the Environmental Terms and restrictions of the present JMD. The expenses that are provided for the realization of protection works of the environment are included in the annual progress report on the compliance with the environmental terms.
E.4	Submission of annual report to EYPE	The term is respected. An annual or semi-annual report on progress works and on possible problems raised in regard to the environment is submitted to YPEHODE. A semiannual report and an annual one are submitted. The annual and 2 nd semiannual reports for 2015 have been submitted to EYPE via NEA ODOS S.A. letter with protocol no. 39275/16-03-2015 to EYDE/KESPK&DE, while the 1 st semiannual report of 2015 has been submitted to EYDE/KESPK&DE with Nea Odos S.A. prot. no. 39890/06-08-2015.
E.5	Measures for preventing implications of EIA and AET	All measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.
E.6	Amendment of the Environmental Terms to change the project Basic Characteristics	A file no. EYPE 173067/5-6-2014 amending the environmental terms of the section Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE has been submitted for the environmental licensing of 10 parking areas and 2 location areas of the MSSs in Martino (direction Athens and direction Lamia). The amendment file was approved by DIPA with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015.
E.8	Modification of the current infrastructure projects	In case it is necessary, the relevant procedures shall initiate.
E.9	Project Environmental Terms Validity	The terms shall be in force until 31.12.2016.
E.10	Amendment of the Environmental Terms	If the environmental terms of this Joint Ministerial Decisions are amended due to the new scientific and technical data in the field of environment protection or due to any other reason, the Joint Venture shall lawfully comply with the new terms.
E.11	E.T. controllability by the competent authorities	The EIS and their approval as well as the environmental licensing of the adjacent works are located at the Concessionaire's headquarters. Digital copies of the respective permits are located at the regional maintenance and operation motorway centers.

TRAGANA - ARKITSA

(JMD ETA 36795/94/10.07.1995

A' Amendment JMD ETA 103910/12.05.2006)

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
A.	Permits / Approvals	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	<p>The procedures regarding the environmental permit and other permits or approvals are being followed.</p> <p>A file with EYPE no. 173067/5-6-2014 amending the environmental terms of Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE has been submitted for the environmental licensing of 10 parking areas and 2 location areas of MSSs (direction to Athens and direction to Lamia) at the area of Martino. The amendment file was approved by DIPA with prot. no. 145495/21.01.2015 only as regards the parking areas and the location and layout of the MSS position surfaces, while the drafting of an EIS was required for the construction and operation of buildings and other MSS functions. The EIS for Martino MSS was submitted to the Service with Nea Odos SA letter no. 39579/26.05.2015 and is under assessment.</p> <p>Also, the Concessionaire has submitted (prot. No. 39707/22.06.15) the environmental impact study for the construction of Atalanti I/C and Livanates I/C lateral toll stations of Tragana - Arkitsa section of PATHE motorway.</p>
B.	Operation-related Issues	
B.1	MSS – Parking Spaces	<p>All requirements for the parking areas approved and under-construction have been foreseen. Furthermore, attention has been paid in access and use of services by disabled persons.</p> <p>As for the EIS or TEPEM which have been submitted or will be submitted for MSS, those foreseen are taken into consideration.</p>
B.2	Traffic volume	<p>A daily monitoring of traffic volumes in PATHE section from Metamorfossi to Skarfia, as regards the crossings from all toll stations (Afidnes, Kapandriti, Malakassa, Inofyta, Thiva and Tragana) should be carried out and monthly reports are submitted. For 2015, the Annual Average Daily Traffic is 19.389 (24.236 ADT) transits for both directions in PATHE Metamorfossi – Skarfia section.</p>
B.3	Worksite Infrastructure	<p>The construction of MSS has been realized in an expropriated area in Atalanti I/C which, in conjunction with the MSS of Thiva and Kapandriti, serves the entire Motorway from Metamorfossi to Agios Konstantinos.</p>
B.4	Traffic Noise	<p>The specificity of the noise prevention measures has been specifically studied in accordance with the Technical Specifications (No. Pr. 57728/27-09-2001 Directorate EARTH (Air Pollution and Noise Control) - YPEHODE), approved by EYPE/YPEHODE with the relevant 143730/10-11-2009.</p> <p>This study determines, by using appropriate models and methodologies (according to JMD 210474 (204/B/9-2-2012 OGG) and European Directive 2002/49/EC), the type and efficiency of the anti-noise measures (noise barriers), the technical characteristics and their adaptation to the topological characteristics of the region. Their implementation is already in the final stage.</p>

		<p>Details on the individual noise barriers along PATHE were presented in the Annual Report 2010 of O.K.TH. (Road Traffic Noise) whereby the representative positions of the Road Traffic Noise measurements, necessary to monitor the Road Traffic Noise temporal fluctuation, were also determined.</p> <p>The monitoring program OKTH OF PATHE Motorway (Metamorphossi - Skarfia) for 2015 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved the Monitoring Program of Environmental OKTH 2015, with its 39920/13-08-2015 letter.</p> <p>In the context of the said program, the relevant specifications and the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after the implementation of the noise barriers at locations inside and outside the city plans and in sensitive receivers have been determined. The related measuring environmental road noise Reports are mentioned in the annual report. Also, processed data from the noise measurements are shown in the reports. For the quantitative and qualitative assessment of compliance with the - under MD 1725291 - maximum allowable noise level of the index L10 (18 hours) façade - closest to the PATHE - houses, extensive acoustic measurements with special self-propelled units of noise statistical analysis are made. In detail, the measurements are made, in accordance with the approved noise monitoring program, with self-propelled power plants, a minimum 2 feet from the facade of the nearest residence. Usually, in order to ensure adverse conditions, the measurement is made closer to the source and to the most exposed facade. The program provides full investigation of the effectiveness of the implemented noise barriers and evaluation of the need to apply additional measures. For the implementation of the above OKTH program, both the current RM 17252/91 and the European Directive 2002/49/EC are kept in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>A similar program is going to be implemented for 2016, which is expected to be submitted to KAPA/YPAPEN for approval.</p>
B.5	Air Pollution during the operation	<p>The technical report of layout planning & technical specifications of the air pollution and meteorological data stations for PATHE motorway, has been submitted for approval to EYPE (with NEA ODOS S.A. 19155/01-12-2010 letter)</p> <p>EYPE/YPEKA agreed with the proposed positions and Technical Specifications of the Stations (with the protocol no.: 195241/12-01-2011 letter). EARTH/YPEKA approved positions and Technical Specifications (with the protocol no.: 185799/8-03-2011). The stations operate in a 24-hour basis and the prices of the below pollutants and parameters are recorded:</p> <ol style="list-style-type: none"> The pollutants CO, CO₂, NO, NO₂, SO₂, O₃, TSP, PM₁₀, PM_{2,5}, C₆H₆, C₇H₈ and xylene The meteorological conditions of each installation are recorded <p>The Concessionaire submitted a Technical Report on location and technical specifications for the installation of additional meteorological monitoring stations (prot. no. 25982/19-03-2012), beyond those conventionally required, for environmental permitting. Until the drafting of the present, no relevant decision had been issued by EYPE.</p> <p>The Concessionaire submitted, with letter no. 39026/03-02-2015, the Air Pollution annual report for 2014.</p> <p>For 2015, a complete monitoring program on air pollution has been prepared based on the three air pollution stations placed on Varimpompi,</p>

		<p>Schimatari, Arkitsa (Prot. No.: 185799/8-3-2011 EARTH) are installed and operate 24 hours a day (prot. no. 185799/8-3-2011 EARTH). The air pollution report for 2015 is under preparation and is expected to be submitted to the Directorate of KAPA/YPAPNE at the beginning of 2016. A similar program is going to be drafted and submitted to the Directorate of KAPA/YPAPEN for 2016 as well.</p> <p>Based on the recordings for 2014 of the installed stations and pursuant to the relevant report already drafted, there has been no excess of limits of the air pollution waste arising from the motorway traffic.</p>
B.6	Liquid Waste generated by the operation	<p>A general Environmental Management Plan, which includes procedure ENV-P-01 for handling hazardous liquid waste in compliance with the respective environmental terms and the applicable legislation, has been drawn up and is being implemented. A relevant file with agreements and orders for waste collection of waste management licensed businesses has been created.</p> <p>Inspections are conducted in the areas where construction works are executed and the respective check list is completed. Pursuant to the checks, in case of non-respect of the provisions, instructions are given (corrective actions) for the conformance method. The performance of corrective actions is checked via new inspections based on the check list.</p> <p>The Concession Company prepares an annual report of waste producer pursuant to Article 11 (4) (c) of the JMD No. 13588/725/06, and Law 2939/2001 and 3854/2010. A table of waste producer has been prepared and submitted to the competent service for 2014 (prot. no. 39251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
C.	Construction and Maintenance issues	
C.1	Coastal Environment Protection	Care will be taken so that any solid waste to be disposed under the current legislation and in case of non-temporary or permanent disposal at the sea.
C.2	Waste management generated by the maintenance	<p>An overall Action Plan for monitoring the Environmental Terms of the PATHE Project has been drawn up and is currently being implemented. This Plan includes protection measures for all foreseen situations in the environmental provisions.</p> <p>More specifically, the Check List, which is foreseen in the Action Plan and implemented along PATHE, is being applied. The subcontractor of Nea Odos S.A. collects the waste produced by the operation and maintenance of the motorway, and transfers them in appropriate licensed collection areas of alternative management systems. For 2014, a table for waste producer was prepared and submitted to the competent service (prot. no.: 39251/11-03-2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
C.3	Materials Combustion	<p>Regular controls are conducted in order to assure the compliance with the E.T.; no violation of the term is noticed.</p> <p>Moreover, the subcontractor of Nea Odos S.A. collects the waste produced by the operation and maintenance of the motorway, and transfers them in appropriate collection appropriate licensed collection areas of alternative management systems.</p> <p>Also, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was prepared and submitted to the competent service (prot. no.: 39251/11-03-2015), while a similar table has been drafted and is going to be submitted for 2015.</p>

C.4	Waters and soil protection from the construction and maintenance	<p>An overall Environmental Management Plan has been prepared and submitted, where the procedure on the dangerous liquid waste management pursuant to the environmental terms and the current legislation is included. Furthermore, a relevant file with contracts and receipt documents of that kind of waste, of licensed operators for oil management is kept.</p> <p>Also, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was prepared and submitted to the competent service (prot. no.:39251/11-03-2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
C.5	Disposal pits	So far, no disposal of materials has been performed in this section. In the event there is such a need, all restrictions set by the Environmental Terms and the applicable legislation will be adhered.
C.6	Fire Prevention	The term regarding the fire safety for the MSS construction in Atalanti I/C has been taken into account; it will also be implemented for the construction of the toll stations.
D.	General Issues	
D.1	Obligation to comply with the Environmental Terms	The Environmental Terms of the project are adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants etc.)
D.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>The Concessionaire and the construction J/V have taken all necessary measures to ensure compliance with the Environmental Terms and to be able to resolve and restore any unfavourable environmental situations.</p> <p>An overall Action Plan for the monitoring of Environmental Terms for the entire project of PATHE has been elaborated and is implemented. This Action Plan includes protective measures for all the stipulations of the environmental terms.</p> <p>More specifically, a Check List, which is provided in the Action Plan and is applied in all worksite areas of the PATHE motorway, has been completed. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures arise.</p> <p>Furthermore, the Concessionaire cooperates with a special advisor in order for a group of scientists to be formulated, which shall cover the whole range of environment. The group of scientists consists of a Dr. Civil Engineer, MSc Forester, Environmentalist – Ecologist, MSc Architect Environmentalist, MSc Topographer – Environmentalist, Geologist – Environmentalist and Agronomist - Environmentalist, in order to fully cover the supervision needs of the Environmental Terms of the entire project.</p>
D.3	Operation Expenses for the protection of the environment	The expenses for the protection and operation of the project are ensured by priority for the environmental protection projects, under the contractual obligations of the Concessionaire and the Construction J/V.
D.4	Submission of annual report to EYPE	A semi-annual and an annual progress report with the possible problems arising in relation to the environment are submitted to EYPE. In this section of the road, only maintenance and optimization works will be performed. Therefore, the clarifications on the content of the reports

		<p>mainly concern the old project.</p> <p>The term is adhered. The semi-annual and annual reports are submitted. The annual and the 2nd semi-annual reports for 2014 have been submitted to EYPE via NEA ODOS S.A. letter with prot. no. 39275/16.03.2015 to EYDE/KESPK&DE, while the 1st semi-annual report for 2015 was submitted to EYDE/KESPK&DE with Nea Odos SA letter no. 39890/06-08-2015.</p>
D.5	Compliance with the environmental terms and the EIA proposed ones that do not contravene the AET	All measures for preventing environmental implications proposed in the EIA and not contravening this AET are taken into account.
D.6	Environmental Terms Amendment for change of the Project's Basic Characteristics	A file no. EYPE 173067/5-6-2014 amending the environmental terms of the section Athens (Metamorfossi I/C) – Maliakos (Skarfia) of PATHE has been submitted for the environmental licensing of 10 parking areas and 2 location areas of the MSSs in Martino (direction Athens and direction Lamia). The amendment file was approved by DIPAs with prot. no. 145495/21.01.2015 only as regards parking areas, and the location and layout of the surfaces of the MSS positions, while the EIS submission was required for the construction and operation of buildings and other MSS operations.
D.7	Specially protected zones - areas	All appropriate protection measures set out by the Environmental Term for the specially protected zones – areas are taken.
D.8	Project Environmental Terms Validity	The Environmental Terms shall be in force until 31.12.2016.
D.9	Amendment of the Environmental Terms	If the Environmental Terms of this JMD are amended due to developments in the field of the environmental science or for any other reason, the Joint Venture shall lawfully comply with the new terms.
D.10	E.T. controllability by the competent authorities	<p>The term for the presence of the EIA is applied to the Joint Venture's offices where the JMD of renewal of AET's effectiveness is also located (P.N. 103909/12-05-2006).</p> <p>All the environmental permits of the adjacent works are located at the Concessionaire's headquarters, while digital copies of the respective permits are located at the regional maintenance and operation motorway centers.</p>

ARKITSA – AGIOS KONSTANTINOS

JMD ETA 39516/94/10.07.1995

A' Amendment: JMD ETA 103908/12.05.2006

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
A.	Permits / Approvals	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	<p>The procedures regarding the environmental permit and other permits or approvals are being followed.</p> <p>An additional environmental impact study on MSS construction, in the area of Arkitsa was approved by DIPA (prot.no. 145538/21.01.2015).</p>
B.	Operation-related Issues	
B.1	Parking spaces	<p>The environmental permitting of Arkitsa MSS is completed (DIPA prot. No. 145538/21.01.2015). For those as provided for in the MSS study has taken care and the way of operation is described in detail. All requirements for the parking areas approved and under-construction have been foreseen. Attention has been paid in access and use of services by disabled persons.</p>
B.2	Schedule for the recording and the development of microflora	<p>The technical specifications are under completion in order for the “pilot” program to be implemented.</p>
B.3	Traffic Noise	<p>The monitoring program of the Road Traffic Noise (R.T.N.) of PATHE Motorway (Metamorfossi - Skarfia) for 2015 has been submitted to KAPA/YPAPEN. The KAPA/YPAPEN Directorate approved the 2015 OKTH Environmental Monitoring Program via its letter with protocol no. 39920/13-08-2015.</p> <p>In the context of the said program, the relevant specifications and the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after the implementation of the noise barriers at locations inside and outside the city plans and in sensitive receivers have been determined. The related measuring environmental road noise Reports are mentioned in the annual report. Also, processed data from the noise measurements are shown in the reports. For the quantitative and qualitative assessment of compliance with the - under MD 1725291 - maximum allowable noise level of the index L10 (18 hours) façade - closest to the PATHE - houses, extensive acoustic measurements with special mobile noise measuring stations are made. In detail, the measurements are made, in accordance with the approved noise monitoring program, with mobile measuring stations at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to ensure adverse conditions, the measurement is made closer to the source and to the most exposed facade. The program provides full investigation of the effectiveness of the implemented noise barriers and evaluation of the need to apply additional measures.</p> <p>For the implementation of the above OKTH program, both the current RM 17252/91 and the European Directive 2002/49/EC are kept in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>The program for 2016 is going to be implemented and will be submitted to the Directorate of KAPA/YPAPEN for approval.</p>
B.4	Infrastructure Worksite	<p>Nine (9) total stations of snow removal have been environmentally licensed (with the protocol no. 122399/1-4-2010 of EYPE) along the Motorway. The installed and operating stations located in the areas of Malakassa, Schimatari, Akrefnio, Martinos and Tragana.</p>

		The Concessionaire has signed a contract with the Subcontractor for the motorway cleaning and harvesting waste.
B.5	Air Pollution during the operation	<p>The technical report of layout planning & technical specifications of the air pollution and meteorological stations for PATHE motorway, has been submitted for approval to EYPE (with NEA ODOS S.A. 19155/01-12-2010 letter)</p> <p>EYPE/YPEKA agreed with the proposed positions and Technical Specifications of the Stations (with the protocol no.: 195241/12-01-2011 letter). EARTH/YPEKA approved positions and Technical Specifications (with the protocol no.: 185799/8-03-2011). The stations operate in a 24-hour basis and the prices of the below pollutants and parameters are recorded:</p> <p>a) The pollutants CO, CO₂, NO, NO₂, SO₂, O₃, TSP, PM₁₀, PM_{2,5}, C₆H₆, C₇H₈ and xylene</p> <p>b) The meteorological conditions of each installation area</p> <p>The Concessionaire submitted a Technical Report on location and technical specifications for the installation of additional meteorological monitoring stations (prot. no. 25982/19-03-2012), beyond those conventionally required, for environmental permitting.</p> <p>The Concessionaire submitted, with letter No. 32026/03-02-2015, the annual Air Pollution report for 2013.</p> <p>For 2015, a complete monitoring program on air pollution is under preparation, three air pollution stations placed on Varibobi, Schimatari, Arkitsa (Prot. No.: 185799/8-3-2011 EARTH) are installed and operate 24 hours a day. The air pollution report has been elaborated and is expected to be submitted to the Directorate of KAPA/YPAPEN at the beginning of 2016. A relevant program is going to be implemented and submitted to the Directorate of KAPA/YPAPEN for 2016 as well.</p> <p>Based on the recordings for 2015 of the installed stations and pursuant to the relevant report already drafted, there has been no excess of limits of the air pollution waste arising from the motorway traffic.</p>
B.6	Liquid Waste generated by the operation	<p>A general Environmental Management Plan, which includes procedure ENV-P-01 for handling hazardous liquid waste in compliance with the respective environmental terms and the applicable legislation, has been elaborated and is being implemented. Also, a relevant file with agreements and orders for waste collection of waste management licensed businesses has been created.</p> <p>Inspections are conducted in the areas where construction works are executed and the respective check list is completed. Pursuant to the checks, in case of non-respect of the provisions, instructions are given (corrective actions) for the conformance method. The performance of corrective actions is checked via new inspections based on the check list.</p> <p>Also, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of the JMD 13588/725/06 and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was drafted and submitted to the competent service (prot. no. 39251/11-03-2015), while as similar table has been drafted and is going to be submitted for 2015.</p>
C.	Construction and Maintenance Issues	

C.1	Waste management caused by the maintenance	<p>The Check List is being implemented; The Check List is foreseen in the Action Plan and is implemented along PATHE, including protection measures for all the corresponding Environmental Terms. The term is adhered. The Concessionaire has signed a contract with the Subcontractor for the motorway cleaning and waste harvesting.</p> <p>Also, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of the JMD 13588/725/06 and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was drafted and submitted to the competent service (prot. no. 39251/11-03-2015), while as similar table has been drafted and is going to be submitted for 2015.</p>
C.2	Materials Combustion	<p>Regular controls are conducted in order to assure the compliance with the E.T.; no violation of the term is noticed. Furthermore, the Subcontractor of Nea Odos S.A. collects the waste generated by the motorway operation and maintenance, and transfers them into appropriate licensed areas or in special waste collection points of the approved alternative management systems.</p> <p>The Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of the JMD 13588/725/06 and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer was drafted and submitted to the competent service (prot. no. 39251/11-03-2015), while as similar table has been drafted and is going to be submitted for 2015.</p>
C.3	Waters and soil protection from the maintenance	<p>An overall Environmental Management Plan has been prepared and implemented, where the procedure on the waste management pursuant to the environmental terms and the current legislation is included.</p>
C.4	Disposal pits	<p>No disposal (temporary or permanent) of materials has been performed in the said section because so far there is no need for layout planning and licensing of such sites.</p>
C.5	Fire prevention	<p>It is ensured that both vehicles and worksite are equipped with the relevant firefighting means, in good condition and available for use.</p>
D.	General Issues	
D.1	Obligation to comply with the Environmental Terms	<p>The Environmental Terms of the project are adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants)</p>
D.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>The Concessionaire has taken all necessary measures in order to ensure compliance with the Environmental Terms and to be able to resolve and restore any unfavorable environmental situations.</p> <p>A general Action Plan for the monitoring of Environmental Terms for the entire project of PATHE has been elaborated and is implemented. This Action Plan includes protective measures for all the stipulations of the environmental terms.</p> <p>More specifically, a Check List, which is provided in the Action Plan and is applied in all worksite areas of the PATHE motorway, has been completed. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms.</p> <p>Also, the concessionaire cooperates with a special advisor in order for a group of scientists to be formulated, which shall cover the whole range of environment. The group of scientists consists of a Dr. Civil Engineer, MSc Forester, Environmentalist – Ecologist, MSc Architect Environmentalist, MSc Topographer – Environmentalist, Geologist – Environmentalist and Agronomist - Environmentalist, in order to fully</p>

		cover the supervision needs of the Environmental Terms of the entire project.
D.3	Operation Expenses for the protection of the environment	The EURO IONIA construction J/V and the Concessionaire ensure by priority the required percentage of the total budget of the operation and maintenance needed for the total compliance of the environmental terms and restrictions of the present JMD. The expenses for the environmental protection projects are given on the annual progress reports regarding the compliance with the Environmental Terms.
D.4	Submission of annual report to EYPE	<p>The term is adhered An annual and semiannual progress report, with the possible problems arising in relation to the environment, is submitted to EYPE. In this section of the road, only maintenance and optimization works will be performed. Therefore, the clarifications of the reports content mainly concern the old project.</p> <p>The semi-annual and annual reports are submitted. The annual and the 2nd semiannual reports for 2014 have been submitted to EYPE via NEA ODOS S.A. letter with protocol no.: 39275/16-03-2015 to EYDE/KESPK&DE, while the 1st semiannual report of 2014 was submitted to EYDE/KESPK&DE with Nea Odos S.A. letter no. 37287/14-10-2014.</p>
D.5	Compliance with the environmental terms and the EIA proposed ones that do not contravene the AET	All the measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.
D.6	Amendment of the Environmental Terms to change the Project's Basic Characteristics	There is no change of the Project's Basic Characteristics
D.7	Project Environmental Terms Validity	The Environmental Terms shall be in force until 31.12.2016.
D.8	Amendment of the Environmental Terms	If the Environmental Terms of this JMD are amended due to developments in the field of the environmental science or any other reason, the Company shall lawfully comply with the new terms.
D.9	E.T. controllability by the competent authorities	It is applied for the Concessionaire's offices where there is also the JMD for the renewal of the validity of AET (Protocol No. 103910/12-05-2006).

AGIOS KONSTANTINOS – K. VOURLA

JMD ETO: 85676/30-07-2002

A' Amendment: JMD ETA 126386/4-06-2004

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
A.	Permits/Approvals	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	No need for licensing up to now. The corresponding environmental terms will be implemented.
B.	Design-related Issues	
B.1	Landscaping – Forest Technical Design	The said term is adhered. The Concessionaire has contracted for the maintenance and the managing of the vegetation and the plantings with the Subcontractor.
B.2	Special Study on Noise Protection	The Concessionaire requested by the competent service the said Noise Protection Study, since it constitutes a document of the project and it should be delivered to it during the delivery of the section by the State. Pursuant to EYDE/LSPE response (protocol no. 12417/26-5-2011), the said study foresees the noise barriers construction between the positions 13+880 – 14+940 and 15+040 – 15+140. It has to be noted that the noise barriers had not been constructed before the receipt of the section by the Concessionaire, who expects the relevant order of supplementary letters for their implementation. Also, it has to be noted that the said STIS, which contains the entire technical description of the noise barriers, has not been delivered yet to the Concessionaire. The latter, under the OKTH program, has elaborated and submitted a Special Acoustic Design (EAMYE) via Nea Odos letter with prot. no. 28085/22-10-12 and approved by EARTH with prot. no. 213863/30-11-2012. The noise barriers provided in EAMYE for the CH. 171+316 – 171+360 and 178+604 – 178+881 are expected to be implemented by the Greek State.
B.3	Management of emergency needs within the tunnels	The said plan has been awarded by the competent Service of the State to PRISMA TECHNICAL ADVISORS S.A. and has been elaborated, before the commencement of the project's operation, as regards the programs of traffic settlements implemented. As for the operation of the section from the Concessionaire, it constitutes annex of the Tunnels Operation Manuals. The management programs are in accordance with article ODO – 6 of the Approved Rule on Designs & Services Fees of Law 3316/2005 and they are in accordance with the German Regulation for the equipment and operation of the toll stations RABT-2003.
B.4	STIS for ensuring air quality in tunnels	There is a functional ventilation system in each tunnels branch, under the Construction Design. Axial fans, in pairs, of constant speed and power 55KW each, with capability of automatic operation via the Fire Detection System or the increased concentration of pollutants and smoke, but also manually via the SCADA.
B.5	Tunnels Fire Protection	The cooperation with the Fire Service is kept. A readiness exercise has been realized with conditions suitable to "Maximum Scale" on 10/4/2014 (the previous had been realized on 3/3/2010). The equipment of tunnels fire extinguishing is operational, with F 6" piping network, under constant pressure of 7 Atm and EAS every 50m in tunnels over 500m, with two faucets, and 25m hose, following the Construction Study

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
C.	Operation Issues	
C.1	Pollution due to accident	<p>The Intervention Plan for Emergency Situations has been drawn up by the Concessionaire and constitutes an Annex of the Policing & Fire Fighting Agreement signed with the Ministry of Interior. This plan specifies measures to timely collect and remove hazardous substances while preventing pollution of the water/soil resources, etc. Also, five (5) PCU (Pollution Control Units) which collect the runoff of the road tunnels and the C&C of the section both during the normal operation and in case of accident.</p> <p>This Intervention Plan includes all measures/required equipment etc. that will be needed in case of accident and leakage of non-biodegradable substances.</p> <p>There is a possibility of accidental fuel leakage from maintenance and operation machinery, etc. which may result to a direct contamination of water, soil, etc. especially when the quantity is large. In this case, adsorption materials such as sand, chippings or a special geotextile will be used immediately after run out. Such materials exist in the central worksite for immediate use.</p> <p>For the protection of ecosystems and groundwater in the downstream areas of the road in cases of accidental cases of fuel or other contaminants leakage from passing vehicles transporting them, planned the construction of MEP 5 (Pollution Control Units) where all the tunnels wastewater end. Their disposal, in case this happens, shall be held in accordance with the disposal for the toxic waste disposal. Their disposal, in emergency situation, will be carried out in accordance with the instructions for disposing toxic waste.</p> <p>The project has been delivered by the Greek State to the Concessionaire for its operation, having constructed only five holding and separation tanks of the road run-outs. The Greek State is expected to construct the remaining two tanks as soon as possible.</p>
C.2	Control of air pollution during the operation	<ul style="list-style-type: none"> • There are CO, NO_x, and visibility sensors installed, according to the Construction Study, of continuous operation, with sufficient sensitivity. • The traffic in the tunnels is stopped by applying the appropriate programs of traffic regulations. They include procedures to be used by the personnel of MSS, connection with special equipment and signage (solid and electronic). No need for assessment of NO_x measurements. • There is a functional auditory system of instructions provision through 6 radio frequency (FM) which, in accordance with the Construction Study, emit within the tunnels, and an optical system through electronic signs (LCS, VSLS), and the personnel operating MSS. <p>EYPE/YPEKA agreed with the suggested positions and the Technical Specifications of the Stations (with letter No. 195241/12-01-2011). EARTH/YPEKA Directorate approved the positions and the Technical Specifications (with prot. No. 185799/8-03-3011).</p> <p>The stations operate in a 24-hour basis and the prices of the below pollutants and parameters are recorded:</p> <p>a) The pollutants CO, CO₂, NO, NO₂, SO₂, O₃, TSP, PM₁₀, PM_{2.5}, C₆H₆, C₇H₈ and xylene</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
		<p>b) The meteorological conditions of each installation area</p> <p>The Concessionaire submitted a Technical Report on location and technical specifications for the installation of additional meteorological monitoring stations (prot. no. 25982/19-03-2012), beyond those conventionally required, for environmental permitting.</p> <p>The Concessionaire has submitted, with letter no. 39026/03.02.2015, the annual Air Pollution Report for 2014.</p> <p>For 2015, a complete monitoring program on air pollution has been elaborated based on three air pollution stations that has been installed on Varibobi, Schimatari, Arkitsa (Prot. No.: 185799/8-3-2011 EARTH) and operate 24 hours a day. The air pollution report for 2015 is under preparation and is expected to be submitted to the Directorate of KAPA/YPAPNE at the beginning of 2016. A similar program is going to be drafted and submitted to the Directorate of KAPA/YPAPNE for 2016 as well.</p> <p>Based on the recordings for 2015 of the installed stations and pursuant to the relevant report already drafted, there has been no excess of limits of the air pollution waste arising from the motorway traffic.</p>
C.3	Noise during the operation	<p>The Road Traffic Noise monitoring program of PATHE Motorway (Metamorphossi - Skarfia) for 2014 has been submitted to the Directorate of KAPA/YPAPNE. The KAPA/YPAPNE Directorate approved the 2015 OKTH Environmental Monitoring Program via its letter with protocol no. 39920/13-08-2015.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) recording, for the capture of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers, have been determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report. Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavourable conditions, the measurement is being made closer to the source and the facade the most exposed one. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures.</p> <p>For the implementation of the above OKTH program, the current MD 17252/91 and the European Directive 2002/49/EC are kept, both in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>The program for 2016 is going to be implemented; it is expected to be submitted to KAPA/YPAPNE for approval.</p>
C.4	Waste Management	<p>The Concessionaire has contracted with the Subcontractor for the motorway cleaning and waste harvesting transferring them into appropriate licensed areas.</p> <p>Furthermore, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of JMD no. 13588/725/06, and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 39251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
C.5	Emergency communications system of tunnels	There is an adequate emergency communications system, operating in the tunnels, through the “SOS” phones, at every 150m, of 3 buttons with visible illuminated signs in accordance with the Construction Study. The emergency call is answered directly by the personnel of MSS.
C.6	Ensure rescue - escape from tunnels	There are connecting tunnels, between the tunnel branches of over 500m length, for pedestrian escape every approx.350m, design that meets the requirements of paragraph 2.3 of Annex I) 2004/54/EC (500m) and paragraph 5.4.3 of the OMOE -Tunnel - projects (350m).
C.7	Tunnels electronic signage	<p>At appropriate points before the entrances of each branch, according to Construction Design, there is a special electronic warning signage, which is controlled and maintained, including:</p> <ul style="list-style-type: none"> • LCS: Signs determining the traffic lanes • VSL: Setting speed limit signs • VWS: Risk Signs • VMS: Variable Message signs (there are at the entrance of each tunnels array per branch)
D.	Maintenance Issues	
D.1	Materials Combustion	<p>Regular controls are conducted in order to assure the compliance with the E.T.; no violation of the term is noticed. Furthermore, the subcontractor of NEA ODOS S.A. collects the waste generated by the motorway operation and maintenance and transfers them into appropriate licensed sites or into special waste collection sites of the approved alternative management systems.</p> <p>Also, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of JMD no. 13588/725/06, and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 339251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
D.2	Waste materials Management	<p>The Concessionaire has contracted with the Subcontractor for the motorway cleaning and the waste harvesting, as mentioned in term for the Directorate of waste materials.</p> <p>Also, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of JMD no. 13588/725/06, and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service (prot. no. 39251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
E.	General Issues	
E.1	Obligation to comply with the	The terms of the project are adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS – METHODS OF ASSESSMENT
	Environmental Terms	<p>consultants.</p> <p>The EIS and their approval as well as the environmental licensing of the adjacent works are located at the Concessionaire’s headquarters. Digital copies of the respective permits are located at the regional maintenance and operation motorway centers.</p>
E.2	Construction and Operation Expenses for the protection of the environment	<p>The Concessionaire ensures by priority the required percentage of the total budget of the operation and maintenance needed for the total compliance of the environmental terms and restrictions of the present JMD.</p> <p>A detailed analysis regarding the expenses that are provided for the realization of protection works of the environment is included in the annual progress report on the compliance with the environmental terms.</p>
E.3	Change of the Project’s Basic Characteristics	<p>During the operation of the project, there are no differentiations resulted and the new decision on environmental terms approval has not been required. If such need arises, it will be adhered.</p>
E.4	Submission of annual report to EYPE	<p>The term is adhered. A semi-annual and annual report is submitted. The annual and 2nd semi-annual reports for 2014 are submitted to EYDE/KESPK&DE with prot. no. 339275/16-03-2015 with Nea Odos S.A. letter, while the 1st semiannual report of 2015 was submitted to EYDE/KESPK&DE with Nea Odos S.A. letter no. 39890/06-08-2015.</p>
E.5	E.T. controllability by the competent authorities	<p>The JMD 85676/30-7-2002 as well as the EIA are kept into the Concessionaire’s headquarters and are available to control by the competent services.</p>
E.6	Project Environmental Terms Validity	<p>The Concessionaire has deposited an AEPO renewal file for the section of PATHE “Agios Konstantinos - K. Voula” with prot. no. 28107/24.10.2012. The dossier was submitted within the period provided for in paragraph 4 of Article 5 of Law 4014/2011, thereby retaining the existing AEPO (decision to grant approval for the environmental terms).</p> <p>No need for new Environmental Terms</p>
E.7	Measures for preventing environmental implications	<p>All the measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.</p>

KAMENA VOURLA - MENDENITSA

JMD ETA 67031/19-10-1998

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS - METHODS OF ASSESSMENT
A.	Permits/Approvals	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	No need for licensing up to now. The corresponding environmental terms will be implemented.
B.	Operation Issues	
B.1	Plantings	The term which refers to the maintenance of vegetation, is adhered. The Concessionaire has contracted for the maintenance and management of the vegetation and the plantings with a Subcontractor.
B.2	Noise	<p>The monitoring program OKTH of PATHE Motorway (Metamorphossi - Skarfia) for 2015 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved, via the 39920/13-08-2015 letter, the Monitoring Program of Environmental OKTH 2015.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers have been determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report. Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavourable conditions, the measurement is being made closer to the source and to the most exposed facade. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures. In order for the above OKTH program to be implemented, both the current MD 17252/91 and the European Directive 2002/49/EC are kept in full calculation and evaluation of the new European indicators, Lden & Lnight.</p> <p>A respective program for 2016 is going to be implemented and will be submitted to the Directorate of KAPA/YPAPEN for approval.</p>
B.3	Waste Management	The Concessionaire has contracted with the Subcontractor for the motorway cleaning and waste harvesting transferring them into appropriate licensed areas.
C.	Maintenance Issues	

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS - METHODS OF ASSESSMENT
C.1	Materials Combustion	<p>The term is adhered. The subcontractor of NEA ODOS S.A. collects the waste generated by the motorway operation and maintenance and transfers them into appropriate licensed sites or into special waste collection sites of the approved alternative management systems.</p> <p>The Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of JMD no. 13588/725/06, and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service for 2014 (prot. no. 39251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
C.2	Waste materials Management	<p>The Concessionaire has contracted with the Subcontractor for the motorway cleaning and the waste harvesting, as mentioned in term for the Directorate of waste materials.</p> <p>The Concession Company prepares an annual report of waste producer pursuant to Article 11 (4)(c) of JMD no. 13588/725/06, and in accordance with Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been submitted to the competent service for 2014 (prot. no. 39251/11.03.2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
D.	General Issues	
D.1	Obligation to comply with the Environmental Terms	<p>The environmental terms of the project are adhered by the construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants.</p>
D.2	Construction and Operation Expenses for the protection of the environment	<p>The Concessionaire ensures by priority the required percentage of the total budget needed for the total compliance of the environmental terms and restrictions of the present JMD. A detailed analysis on expenses for the environmental protection in relation to the total budget of the project is given on the annual progress report concerning the compliance with the Environmental Terms.</p>
D.3	Change of the Project's Basic Characteristics	<p>During the operation of the project, there are no differentiations resulted and the new decision on environmental terms approval has not been required. If such need arises, it will be adhered.</p>
D.4	Submission of annual report to EYPE	<p>The term is adhered. The semi-annual and annual reports are submitted. The annual and 2nd semiannual reports for 2014 are submitted via Nea Odos S.A. letter with prot. no. 39275/16.03.2015 to EYDE/KESPK&DE, while the 1st semiannual report of 2015 was submitted to EYDE/KESPK&DE with Nea Odos S.A. letter no. 39890/06-08-2015.</p>
D.5	E.T. controllability by the competent authorities	<p>It is kept into the Concessionaire's headquarters.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS: WAYS - METHODS OF ASSESSMENT
D.6	Project Environmental Terms Validity	The terms are in renewal process. The study on the E.T. renewal of this section has been elaborated and submitted to EYDE/KESPK&DE (prot. no. 30440/17.06.2013). No need for new Environmental Terms

Agrinio Bypass

JMD 84982/11.04.1997

A' Amendment: JMD ETA 105886/03-07-2008

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
A.	Issues of Permits/Approvals	
A.1	Permits for any activity or installation required for the operation of the motorway	<p>The foreseen by the current legislation permits and approvals, including the environmental permit possibly required, are obtained, when needed.</p> <p>For the implementation of any partial additional activity or expansion that is not described in the Environmental Impact Assessment (EIA) and consequently not covered by the Approval of Environmental Terms (AET) a relevant environmental permit shall be obtained by DIPA/YPAPEN.</p> <p>The requests for granting environmental permit to the ancillary works carried out by DIPA/YPAPEN regardless the category they fall, in accordance with the Joint Ministerial Decision No. 16393/2332/5.8.2002.</p> <p>Following letter no. 42253/21-5-2014, the Construction J/V has been informed about the submission of the EIS of adjacent road works at Agrinio bypass from Nea Odos J/V to EYDE/MKEPA & IO. Following letter no. 43299/30.06.14, the Construction J/V submitted a revised EIS to Nea Odos. Following letter no. 43489/07.07.2014, Nea Odos J/V submitted a revised EIS to EYDE/MKEPA & IO. Following letter no. 44104/25.07.2014 the Construction J/V was informed on the transmission of the study by EYDE/MKEPA & IO to EYPE. DIPA adopted ETA Amendment Decision (with prot. no. 100391/20.01.2016).</p>
A.2	Ancillary Works	
A.3	Archaeological Services	No need for issuance of permit during the operation phase. If needed in the future, it shall be adhered.
A.4	Forest areas	No need for issuance of permit during the operation phase. If needed in the future, it shall be adhered.
B.	Design-related Issues	
B.1	Environmental Impact Studies EIA	Pursuant to the environmental terms and the legislation in force, in case of minor changes or modifications of the project, as described in the Environmental Terms and the EIA, a file is being elaborated pursuant to those set in Article 6 of Law 4014/2011 (OGG 24A/2011) or/and EIS in accordance with Articles 2 and 3 of the same Law .

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
B.2	Noise Barriers Special Study	<p>Regarding the operating department of IONIA ODOS motorway “Agrinio bypass”, sound measurements were made within and outside the approved city plans and settlements in the area of 200 meters from the boundary line of the road on the above road section. Three different geographical locations 24-hour sound measurements deemed absolutely adequate for the continuous monitoring of acoustic environment on an annual basis were approached in total.</p> <p>So, a total of 3 out of 24hrs acoustic measurements (29-30 July 2015) were conducted and the results of which showed that there is no excess noise from the road traffic and the implementation of anti-noise measures is not required.</p>
C.	Operation-related Issues	
C.1	Motorway cleaning	<p>The Concessionaire has signed a contract with the Subcontractor for the cleaning and harvesting waste from the motorway. During the said period, in every inspection, all parking areas were clean. Waste containers have been placed at all locations and regular waste collection is being carried out by the subcontractor. Furthermore, waste containers have been stolen, but they have been immediately replaced.</p>
C.2	Noise during the operation	<p>The monitoring program OKTH of Ionia Odos Motorway (Agrinio bypass) for 2015 has been submitted to the Directorate of KAPA/YPAPEN with NEA ODOS S.A. prot. No. 27635/10-09-2012. The Directorate of KAPA/YPAPEN approved the Monitoring Program of Environmental OKTH 2015, with its 39920/13-08-2015 letter.</p> <p>Under this program, the relevant specifications and the locations of the Road Traffic Noise (OKTH) for the recording of the acoustic conditions before and after implementation of the noise barriers at locations inside and outside city plans and at sensitive receivers have been determined. The relevant Inventories of environmental road noise measurements are mentioned in the annual report. Also, processing of noise measurements data are shown in the reports. For the quantitative and qualitative assessment of compliance with the limits - under MD 1725291 – of the maximum allowable noise level of index L10 (18 hours) at the façades of the nearest – to PATHE - residents, extensive acoustic measurements with special auto-propelled units of statistical analysis noise are conducted. More analytically, the measurements are made in accordance with the approved noise monitoring program, by auto-propelled units, at a minimum of 2 m. from the facade of the nearest residence. Usually, in order to capture the unfavorable conditions, the measurement is being held closer to the source and to the facade the most exposed one. The program provides full examination on the effectiveness of the implemented noise barriers as well as evaluation of the need to apply additional measures. For the implementation of the above OKTH program, the current MD 17252/91 and the European Directive 2002/49/EC are kept, both in full calculation and evaluation of the new European indicators, Lden & Night .</p> <p>A similar program is being implemented for 2015, which is expected to be submitted to the Directorate of EARTH/YPEKA for approval.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
C.3	Maintenance of Vegetation	The term which refers to the maintenance of vegetation, is adhered. The Concessionaire has contracted for the maintenance and management of the vegetation and the plantings with the Subcontractor.
D.	Construction & Maintenance Issues	
D.1	Water flow	<p>This term refers to the construction.</p> <p>The maintenance and the operation of the said section will fall within the concession company competencies and, therefore, these terms need to be verified.</p>
D.2	Temporary disposal sites	<p>This term refers to the construction.</p> <p>The maintenance and the operation of the said section will fall within the concession company competencies and, therefore, these terms need to be verified.</p>
D.3	Dust control	The term refers to the construction.
D.4	Solid waste	<p>The term is adhered. More specifically, the subcontractor of Nea Odos S.A. collects the waste produced by the operation and maintenance of the motorway, and transfers them in appropriate collection areas of approved management licensed systems.</p> <p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been prepared and submitted to the competent service (prot. no.: 39251/11.03.2015), while a similar table will be submitted for 2015.</p>
D.5	Material combustion	<p>The term is adhered. More specifically, the subcontractor of Nea Odos S.A. collects the waste produced by the operation and maintenance of the motorway, and transfers them in appropriate collection areas of approved management licensed systems.</p> <p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been prepared and submitted to the competent service (prot. no.: 39251/11.03.2015), while a similar table will be submitted for 2015.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
D.6	Liquid Waste	<p>A general Environmental Management Plan, which includes procedure ENV-P-01 for handling hazardous liquid waste in compliance with the respective environmental terms and the applicable legislation, has been drawn up and is being implemented. A relevant file with agreements and orders for waste collection of waste management licensed businesses has been created.</p> <p>Inspections are conducted in the areas where construction works are executed and the respective check list is completed. Pursuant to the checks, in case of non-respect of the provisions, instructions are given (corrective actions) for the conformance method. The performance of corrective actions is checked via new inspections based on the check list.</p> <p>Also, the Concession Company prepares an annual report of waste producer pursuant to Article 11 (4) (c) of the JMD No. 13588/ 725/06, and Law 2939/2001 and 3854/2010. For 2014, a table of waste producer has been prepared and submitted to the competent service (prot. no.: 39251/11-03-2015), while a similar table will be submitted for 2015.</p>
D.7	Noise	The machines and vehicles used for the maintenance and operation of the motorway meet all the requirements and certifications of EU type concerning noise.
D.8	Use of quarry materials	This term refers to the construction; no works requiring the use of aggregate materials are executed in this section
D.9	Worksite Infrastructure	This term refers to the construction.
D.10	PUOs	This term refers to the construction and has been adhered.
D.11	Trenches - embankments	This term refers to the construction and has been adhered.
D.12	Fauna	This term refers to the construction and has been adhered.
D.13	Planting	This term refers to the construction of the Motorway.

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
		As part of the responsibilities of the concession company for this section, only the maintenance and operation shall be included and therefore these conditions shall be controlled.
D.14	Fire prevention	As regards the sites used for the operation and construction of the motorway section, the relevant fire fighting means are in good condition and available for use in emergency situations.
E.	General Issues	
E.1	Obligation to comply with the Environmental Terms	The Environmental Terms of the project are obligatorily adhered by the Construction J/V, the Independent Engineer, the Concessionaire, the subcontractors and their consultants
E.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>In the study phase the corresponding environmental protection reports are elaborated where discussed how the requirements of the environmental terms and legislation are incorporated and reflected in the proposed technical solution.</p> <p>During the operation of the Motorway, a general Action Plan for the monitoring of Environmental Terms, through the inspection process, which is applied using the relevant Check List, has been elaborated and is implemented. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures may arise.</p>
E.3	Operation Expenses for the protection of the environment	The required percentage of the total budget of the operation/maintenance works that are necessary for the full compliance with the Environmental Terms and restrictions of the present JMD, has been ensured by priority. A detailed analysis regarding the expenses that are provided for the realization of protection works of the environment is included in the annual progress report on the compliance with the environmental terms.
E.4	Concessionaire's Service for Environment	The Concessionaire has created a special department for Environment, which is responsible for the control and the compliance with the Environmental Terms along the Motorway from Metamorfossi I/C to Skarfia. Also, the department collaborates with a special advisor in order to form a group of scientists, which shall cover the whole range of environment, consisted by: Civil Engineer, Biologist, Forester, Environmentalist, Topographer and Geologist, in order to fully cover the supervision needs of the Environmental Terms of the entire project.
E.5	E.T. controllability by	The term is adhered. The annual and 2 nd semiannual reports have been submitted. The annual and 2 nd semi-annual reports for 2014 have

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
	the competent authorities	<p>been submitted to EYDE/KESPK&DE with Nea Odos S.A. prot. no. 39275/16.03.2015), while the 1st semiannual report of 2015 was submitted to EYDE/ KESPK&DE with Nea Odos S.A. prot. no. 39890/06-08-2015.</p> <p>The EIAs/TEPEM are in the Concessionaire’s Headquarters</p>
E.6	Project Environmental Terms Validity	<p>If, because of the new data of science and technology in the field of environmental protection or for any other reason, the Environmental Terms of this JMD are amended, the company will comply with the new conditions under the law.</p> <p>The Concessionaire has deposited an AEPO renewal file for the section of IONIA ODOS “Agrinio bypass” with prot. no. 40247/27-10-2015. The dossier was submitted within the period provided for in paragraph 4 of Article 5 of Law 4014/2011, thereby retaining the existing AEPO (decision to grant approval for the environmental terms).</p>
E.7	Measures for preventing environmental implications of the EIA and AET	<p>The measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.</p>

Arta - Filippiada Bypass

JMD 120756/96/03.06.199,

A' Amendment: JMD ETA 132550/31.07.2003

B' Amendment: JMD 137938/31.12.2003

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
A.	Permits/Approvals	
A.1	Installation permits for any activity or installation required for the operation of the Motorway	The foreseen by the legislation permits and approvals, including the environmental permit required, are obtained, when needed .
A.2	Ancillary works	
A.3	Forest areas	No need for issuance of permit regarding the term on the Forest Areas during the operation phase. If needed in the future, it shall be adhered.
A.4	Archaeological Services	No need for issuance of permit during the operation phase. If needed in the future, it shall be adhered.
B.	Design-related Issues	
B.1	Environmental Impact Studies EIA	Pursuant to the environmental terms and the legislation in force, in case of minor changes or modifications of the project, as described in the Environmental Terms and the EIA, a file should be elaborated pursuant to those set in Article 6 of Law 4014/2011 (OGG 24A/2011) or/and EIS in accordance with Articles 2 and 3 of the same Law.
B.2	Additional investigations with respect to EIA	This term relates to the construction of the Motorway.
C.	Construction and Operation-related Issues	
C.1	Motorway cleaning	The Concessionaire has signed a contract with the Subcontractor for the cleaning and harvesting waste from the motorway. Waste

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
		<p>containers have been placed at Arta – Filippiada I/C (left-side, right-side), in order for the areas to be kept clean.</p> <p>Also, the Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been prepared and submitted to the competent service (prot. no.: 39251/11-03-2015), while a similar table has been drafted and is expected to be submitted for 2015.</p>
C.2	Maintenance of Vegetation	<p>The term which refers to the maintenance of vegetation, is adhered. The Concessionaire has contracted for the maintenance and management of the vegetation and the plantings with the J/V of GEK Services – SPACON.</p>
D.	Issues related to Construction Site Management and Maintenance	
D.1	Noise	<p>Machinery and vehicles used for the maintenance and operation of the motorway meet all specifications and certificates of EU type of noise.</p> <p>The monitoring program OKTH of Ionia Odos Motorway (Arta bypass) for 2015 has been submitted to the Directorate of KAPA/YPAPEN. The Directorate of KAPA/YPAPEN approved the Monitoring Program of Environmental OKTH 2015, with its 39920/13-08-2015 letter.</p> <p>Regarding the operating department of IONIA ODOS motorway “Agrinio bypass”, sound measurements were made within and outside the approved city plans and settlements in the area of 200 meters from the boundary line of the road on the above road section. Three different geographical locations 24-hour sound measurements deemed absolutely adequate for the continuous monitoring of acoustic environment on an annual basis were approached in total.</p> <p>So, a total of 3 out of 24hrs acoustic measurements (29-30 July 2015) were conducted and the results of which showed that there is no excess noise from the road traffic and the implementation of anti-noise measures is not required.</p> <p>A similar program is going to be implemented for 2015 and is going to be submitted to EARTH/YPEKA for approval.</p>
D.2	PUOs	<p>This term relates to the construction of the Motorway.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
D.3	Water flow	This term relates to the construction of the Motorway.
D.4	Temporary disposals	This term relates to the construction of the Motorway. As part of the concession company’s responsibilities for this section, only maintenance and operation shall be included. Therefore, culverts and ditched built shall be cleaned, when required.
D.5	Worksite Infrastructure	This term relates to the construction of the Motorway.
D.6	Liquid waste	<p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4) (c), and pursuant to Law 2939/2001 and 3854/2010.</p> <p>For 2014, a table for waste producer has been prepared and submitted to the competent service (prot. no.:39251/11-03-2015), while a similar table has been drafted and is going to be submitted for 2015.</p> <p>The JMD 71560/3053/OGG 665/B/85 has been replaced by the JMD 98012/001/96 (OGG 40B).</p> <p>In any case, regular checks are performed for the respect of the restriction and correct management of oils pursuant to the legislation, via inspections and questionnaire filling. The management of oils is conducted via licensed bodies, while the relevant file of document and agreement acceptance is kept.</p>
D.7	Dust Control	Motorway small maintenance works, such as landscaping works, replacement of safety barriers etc., from which dust concentrations do not arise, shall be carried out.

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
D.8	Solid Waste	<p>Recommendations, through regular inspections and check lists, are made when the rational and correct procedures for handling solid waste are not met. The immediate compliance with the stipulations of the Environmental Management Plan for the correct practice in waste management is checked. The subcontractor of Nea Odos S.A. (Chr. Keridis S.A.) disposes a permit on the collection of waste and the materials are transferred in appropriate licensed areas for combustion or for other use.</p> <p>The Concession Company prepares an annual report for waste producer under JMD no. 13588/725/06, Article 11(4)(c), and pursuant to Law 2939/2001 and 3854/2010. For 2014, a table for waste producer has been prepared and submitted to the competent service (prot. no.:39251/11-03-2015), while a similar table has been drafted and is going to be submitted for 2015.</p>
D.9	Trenches -embankments	This term relates to the construction of the Motorway.
D.10	Fauna	This term relates to the construction of the Motorway.
D.11	Planting	As regards the maintenance of vegetation, dry grass is being pruned and cut when required, especially at Arta – Filippiada I/C, at the slopes and the islet.
D.12	Fire prevention	It has been ensured that, both for vehicles and project machines as well as in the worksite, the relevant firefighting means are in good condition and available for use in emergency situations.
E.	General Issues	
E.1	Obligation to comply with the Environmental Terms	The Environmental Terms of the project are obligatorily adhered by the Construction J/V, the Independent Engineer, the Concessionaire, its subcontractors and advisors, etc.

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
E.2	Check on compliance with the Environmental Terms and monitoring possibility	<p>In the study phase the corresponding environmental protection reports are elaborated where discussed how the requirements of the environmental terms and legislation are incorporated and reflected in the proposed technical solution.</p> <p>In the construction phase a general Action Plan for the monitoring of Environmental Terms for the entire project has been elaborated and is implemented. This Action Plan includes protective measures for all the stipulations of the environmental terms.</p> <p>During the operation of the Motorway, a general Action Plan for the monitoring of Environmental Terms, through the inspection process, which is applied using the relevant Check List, has been elaborated and is implemented. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms from which corrective or preventive measures may arise.</p>
E.3	Check on compliance with the Environmental Terms and monitoring possibility	<p>A general Environmental Management Plan for the monitoring of Environmental Terms for the entire project has been elaborated and is being implemented. This Action Plan includes protective measures for all the stipulations of the environmental terms.</p> <p>More specifically, a Check List, which is provided in the Management Plan and is applied in all worksite areas of the PATHE motorway, has been completed. According to this checklist, regular inspections are carried out in order to ensure compliance with the environmental terms (waste collection, vegetation maintenance, areas cleaning, noise, etc.) from which corrective or preventive measures arise.</p>
E.4	Operation Expenses for the protection of the environment	<p>The required percentage of the total budget of the operation/maintenance works that are necessary for the full compliance with the Environmental Terms and restrictions of the present JMD, has been ensured by priority. A detailed analysis regarding the expenses that are provided for the realization of protection works of the environment is included in the annual progress report on the compliance with the environmental terms.</p>
E.5	E.T. controllability by the competent authorities	<p>This term is adhered. The annual and 2nd semiannual reports have been submitted. The annual and 2nd semi-annual reports for 2014 have been submitted to EYDE/KESPK&DE with Nea Odos S.A. letter prot. no. 39275/16-03-2015), while the 1st semiannual report of 2015 was submitted to EYDE/ KESPK&DE with Nea Odos S.A. letter prot. no. 39890/06-08-2015.</p> <p>The EIS and their approval as well as the environmental licensing of the adjacent works are located at the Concessionaire's headquarters. Digital copies of the respective permits are located at the regional maintenance and operation motorway centers.</p>
E.6	Project Environmental Terms Validity	<p>Upon elaboration of AEPO renewal file (prot. no. 28155/31-10-2012), the renewal decision has been adopted (prot. no. 175041/23-09-2014). The AEPO is going to be in force until 23-09-2024.</p>

S/N	ENVIRONMENTAL TERM	ENVIRONMENTAL TERMS : WAYS – METHODS OF ASSESSMENT
		If the environmental terms of this Joint Ministerial Decisions are amended based on new scientific and technical data in the field of environment protection or for any other reason, the Joint Venture shall lawfully comply with the new terms.
E.7	Measures for preventing environmental implications of the EIA and AET	The measures for preventing environmental implications that are proposed in the EIA and that do not contravene this AET, are taken into account.