



**European  
Commission**  
Innovation and  
Networks  
Executive Agency  
(INEA)

**Connecting  
Europe Facility**

## **Action Status Report (ASR)**

### **Reporting period: 1<sup>st</sup> January 2015/start date of the Action- 31<sup>st</sup> December 2015)**

#### **1. INFORMATION ON THE ACTION**

Grant Agreement N°	INEA/CEF/ENER/M2014/0019
Action number	7.1.1-051-TR-S-M-14
Action title	Environmental Monitoring
PCI (for energy only)	Not Applicable (N/A)

#### **Author of the report**

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## 2. INFORMATION ON THE PROGRESS OF THE ACTION (GA II.23.1.1.c or SESAR FPA II.23.1b.c)

### 2.1. Overall progress of the Action

Planned dates (GA)		Previous ASR dates		Actual/foreseen dates		Progress achieved at the end of the reporting period (%)*
Start	End	Start	End	Start	End	
20/08/2014	31/12/2019	N/A	N/A	20/08/2014	31/12/2019	100% for Activity 1 13% for Activity 2

**\*Please explain how the percentage of the progress achieved has been estimated/calculated**

Action consists of 4 Activities and each activity has different start and end dates as presented in Grant Agreement.

Progress achieved at this reporting period for Activity 1 (Environmental Monitoring of Early Works Camp Constructions) is 100%. The percentage of the progress achieved for Activity 1 has been calculated based on technical progress and the approval of 3 Quarterly ESIA Monitoring Reports by MoEU (Ministry of Environment and Urbanisation) submitted by Third Party Monitoring to MoEU during the reporting period.

Progress achieved at this reporting period for Activity 2 (Environmental Monitoring of construction activities of Lot 1-4) is 13% since Activity 2 continues till 21/02/2019. The percentage of the progress achieved for Activity 2 has been calculated based on technical progress and the approval of 2 Quarterly ESIA Monitoring Reports by MoEU (Ministry of Environment and Urbanisation) submitted by Third Party Monitoring to MoEU during the reporting period.

Please note that if only year of 2015 was considered for Activity 2, progress achieved at this reporting period for Activity 2 would be 100%. 13% progress achievement is for overall activity period (07/04/2015 – 21/02/2019).

Activity 3 has not been started yet. It will be started in 2017 as planned and presented in Grant Agreement.

Activity 4 has not been started yet. It will be started in 2016 as planned and presented in Grant Agreement.

## Overview of progress since the start of the Action

*The overview should include a description of the actual progress at the end of the reporting period, referring to the main issues, milestones and events that affected progress.*

**Activity1:** Environmental monitoring of Early Works Camp Construction of six main camp sites (Kars-Selim, Erzurum-Pasinler, Erzincan-Cadirkaya, Sivas-Hafik, Yozgat-Doğankent and Ankara-Polatlı) was completed within the reporting period. Construction of each camp site was completed on time determined on the Grant Agreement and without any major environmental problems related to topsoil and subsoil management, waste management, wastewater management including construction of treatment facility, storm water management and all related permit issues and the camp sites were handed over to the pipeline construction contractors.

Total number of 9 monthly inspection reports were prepared by Third Party Monitoring for the months between August 2014 and May 2015. In addition, total number of 3 quarterly monitoring reports were prepared by Third Party Monitoring and submitted to MoEU (Ministry of Environment and Urbanisation) during the Activity 1 as requirement of ESIA commitments realization and monitoring. The submission dates of 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarterly monitoring reports are 21/11/2014, 19/02/2015 and 22/05/2015, respectively. All of the quarterly monitoring reports were approved by MoEU.

**Activity 2:** Pipeline construction was started in this reporting period and is still going on at LOT-1 (KP 0-375), LOT-2 (KP 375-825) and LOT-3 (KP 825-1334). Construction activity of LOT-4 will be started on March 2016 as planned and hence no construction activity is started yet at LOT-4 (KP 1334-1815) during the reporting period.

Environmental Monitoring for Construction Activities of LOT1, 2, and 3 has been conducted by dedicated on-site monitoring teams including environmental expert and soil expert at each LOT simultaneously. Environmental monitoring for Construction Activities of LOT1, 2, and 3 consists of checking construction methodologies, construction activities and related precautions at pipeline RoW (Right of Way), river crossing implementations, erosion control measures, topsoil and subsoil handling and storage. Moreover, potable water usage and quality records, segregation and delivery records of both non-hazardous and hazardous wastes, wastewater discharge records, air quality and noise/vibration measurement records, aggregate material supply records and all permits related with the mentioned topics for each camp site have been monitored and reviewed.

Total number of 32 weekly and 8 monthly inspection reports were prepared by Third Party Monitoring covering the activity in this reporting period. In addition, total number of 2 quarterly monitoring reports were prepared by Third Party Monitoring and submitted to MoEU during the Activity 2 as requirement of ESIA commitments realization and monitoring. The submission dates of 1<sup>st</sup> and 2<sup>nd</sup> quarterly monitoring reports are 21/08/2015 and 19/11/2015, respectively. All of the quarterly monitoring reports were approved by MoEU.

In addition to environmental monitoring studies, social matters both at the camp sites and RoW have been monitored by sociologists. The social monitoring activities include checking taken precautions related with the community safety, checking employment

records, local procurement statistics, grievance mechanism records, goodwill activities, and performed training records.

There hasn't been any previously unforeseen task carried out during the reporting period.

**Activity3:** This activity has not been started yet in this reporting period.

**Activity4:** This activity has not been started yet in this reporting period.

## 2.2. Progress per activity

Activity 1	Title	Planned Start/End date (GA)		Previous ASR Start/end dates		Actual/Foreseen Start/End date		Progress achieved at the end of the reporting period (%)*
	Environmental Monitoring of Early Works Camp Constructions	20/08/2014	21/05/2015	N/A	N/A	20/08/2014	21/05/2015	100%

**\*Please explain how the percentage of the progress achieved has been estimated/calculated**

The percentage of the progress achieved has been calculated based on technical progress and the approval of 3 Quarterly ESIA Monitoring Reports by MoEU (Ministry of Environment and Urbanisation) submitted by Third Party Monitoring to MoEU by the end date of the activity.

Milestone no	Title <sup>1</sup>	Planned completion date	Previous ASR date	Actual/Foreseen completion date	Reached (Y/N)
1	Submission of 2014 Quarterly ESIA Monitoring Report by Monitoring Third Party to MoEU (Ministry of Environment and Urbanisation) for Activity 1.	21/05/2015	N/A	21/05/2015	Y

**Explanation for any deviation from planned completion date**

Reporting period: 1st January 2015/start date of the Action-31st December2015)

Activity 2	Title	Planned Start/End date (GA)		Previous ASR Start/end dates		Actual/Foreseen Start/End date		Progress achieved at the end of the reporting period (%)*
	Environmental Monitoring of construction activities of Lots 1-4	01/04/2015	21/02/2019	N/A	N/A	07/04/2015	21/02/2019	13.3%
<b>*Please explain how the percentage of the progress achieved has been estimated/calculated</b>								
<p>The total number of Quarterly ESIA Monitoring Reports covering this activity between 01/01/2015 and 21/02/2019 is 15.</p> <p>The percentage of the progress achieved has been calculated based on technical progress and the number of submitted and approved Quarterly ESIA Monitoring Reports covering the activity in this ASR period.</p> <p>2 of 15 Quarterly ESIA Monitoring Reports were submitted by Third Party Monitoring and approved by MoEU during the this ASR period.</p> <p>Please note that if only year of 2015 was considered for Activity 2, progress achieved at this reporting period for Activity 2 would be 100%. 13% progress achievement is for overall activity period (07/04/2015 – 21/02/2019).</p>								
Milestone no	Title <sup>1</sup>	Planned completion date	Previous ASR date	Actual/Foreseen completion date	Reached (Y/N)			
1	Submission of Quarterly ESIA Monitoring Reports in 2015, 2016, 2017, 2018 and 2019 by Monitoring Third Party to MoEU	21/02/2019	N/A	21/02/2019	Y			
<b>Explanation for any deviation from planned completion date</b>								

Reporting period: 1st January 2015/start date of the Action-31st December2015)

Activity 3	Title	Planned Start/End date (GA)		Previous ASR Start/end dates		Actual/Foreseen Start/End date		Progress achieved at the end of the reporting period (%)*
	Environmental Monitoring of construction activities of Offshore Section	01/01/2017	21/11/2018	N/A	N/A	01/01/2017	21/11/2018	0%
<p><b>*Please explain how the percentage of the progress achieved has been estimated/calculated</b></p> <p>The activity has not been started yet in this ASR period.</p>								
Milestone no	Title <sup>1</sup>	Planned completion date	Previous ASR date	Actual/Foreseen completion date	Reached (Y/N)			
1	Submission of Quarterly ESIA Monitoring Reports in 2017 and 2018 by Monitoring Third Party to MoEU	21/11/2018	N/A	21/11/2018	N/A			
<p><b>Explanation for any deviation from planned completion date</b></p>								

Reporting period: 1st January 2015/start date of the Action-31st December2015)

Activity 4	Title	Planned Start/End date (GA)		Previous ASR Start/end dates		Actual/Foreseen Start/End date		Progress achieved at the end of the reporting period (%)*
	Environmental Monitoring of construction and commissioning of Compressor Stations and Off take Station Activities	01/04/2016	31/12/2019	N/A	N/A	01/04/2016	31/12/2019	0%
<p><b>*Please explain how the percentage of the progress achieved has been estimated/calculated</b></p> <p>The activity has not been started yet in this ASR period.</p>								
Milestone no	Title <sup>1</sup>	Planned completion date		Previous ASR date	Actual/Foreseen completion date		Reached (Y/N)	
1	Submission of Quarterly ESIA Monitoring Reports in 2016, 2017, 2018 and 2019 by Monitoring Third Party to MoEU	31/12/2019		N/A	31/12/2019		N/A	
<p><b>Explanation for any deviation from planned completion date</b></p>								

### 2.3 Description of the activities' progress in the reporting period

- a) *Provide a description of the actual progress of the activities compared to what was planned (as stated in the Grant Agreement for the first ASR, otherwise in the previous ASR). Provide a justification for any planned activities which were not carried out.*
- b) *Provide information on any new task that was not planned during the reporting period, but was considered necessary for the successful implementation of the Action (even if outside the Action).*

- a) The scope of the Action includes the environmental monitoring of the TANAP Natural Gas Pipeline Project (entire PCI) as committed in the ESIA (Environmental and Social Impact Assessment) Report. The Action concerns a Third party Environmental Monitoring during all of the construction works, as per legal requirement of the Turkish Ministry of Environment and Urbanization (MoEU) and per international best practice. The main aspects, which will be monitored, are construction facilities of the PCI, such as protection of topsoil, soil erosion measures, river crossings, reinstatement, waste management, waste water management, dewatering, hydro test water discharges, commissioning of the PCI. The objective of the Action is to ensure that all environmental components in terms of soil, air, water and related habitat including flora, fauna will be protected. Additionally it is aimed to minimise any possible negative human impact during TANAP project activities. The mitigation measures are defined in the ESIA Report.

This action consists of four activities which are described below.

**Activity1:** Environmental monitoring of Early Works Camp Construction of six main camp sites (Kars-Selim, Erzurum-Pasinler, Erzincan-Cadirkaya, Sivas-Hafik, Yozgat-Doğankent and Ankara-Polatlı) was completed within the reporting period. Construction of each camp site was completed on time determined on the Grant Agreement and without any major environmental problems related to topsoil and subsoil management, waste management, wastewater management including construction of treatment facility, storm water management and all related permit issues and the camp sites were handed over to the pipeline construction contractors.

The milestone no. 1 related with this activity is not delayed. The quarterly monitoring reports were submitted to MoEU on time and approved by MoEU without any rejection. Actual technical progree of Activity 1 has been achieved as planned and foreseen in Grant Agreement with complying with commitments stated in ESIA.

**Activity 2:** Pipeline construction was stated in this reporting period and is still going on at LOT-1 (KP 0-375), LOT-2 (KP 375-825) and LOT-3 (KP 825-1334). Construction activity of LOT-4 will be started on March 2016 as planned and hence no construction activity is started yet at LOT-4 (KP 1334-1575) during the reporting period.

Environmental Monitoring for Construction Activities of LOT1, 2, and 3 has been conducted by dedicated on-site monitoring teams including environmental expert and soil expert at each LOT simultaneously. Environmental monitoring for Construction



Activities of LOT1, 2, and 3 consists of checking construction methodologies, construction activities and related precautions at pipeline RoW (Right of Way), river crossing implementations, erosion control measures, topsoil and subsoil handling and storage. Moreover, potable water usage and quality records, segregation and delivery records of both non-hazardous and hazardous wastes, wastewater discharge records, air quality and noise/vibration measurement records, aggregate material supply records and all permits related with the mentioned topics for each camp site have been monitored and reviewed.

Total number of 32 weekly and 8 monthly inspection reports were prepared by Third Party Monitoring on time in this reporting period. In addition, total number of 2 quarterly monitoring reports were prepared by Third Party Monitoring and submitted to MoEU during the Activity 2 as requirement of ESIA commitments realization and monitoring. The submission dates of 1<sup>st</sup> and 2<sup>nd</sup> quarterly monitoring reports are 21/08/2015 and 19/11/2015, respectively. All of the quarterly monitoring reports were approved by MoEU.

In addition to environmental monitoring studies, social matters both at the camp sites and RoW have been monitored by sociologists. The social monitoring activities include checking taken precautions related with the community safety, checking employment records, local procurement statistics, grievance mechanism records, goodwill activities, and performed training records.

The milestone no. 2 related with this activity is not delayed. The quarterly reports were submitted to MoEU on time and approved by MoEU without any rejection. Actual technical progree of Activity 2 has been achieved as planned and foreseen in Grant Agreement with complying with commitments stated in ESIA.

b) There hasn't been any previously unforeseen task carried out during the reporting period.

#### **2.4. Conclusions on preliminary results of the Action achieved in the reporting period, including the impact of the possible deviations from the planned activities and milestones on 1) the objectives of the Action, 2) the completion of the planned activities, 3) Action end date.**

1)  objectives of the Action

**Activity1:** Objective of the Activity 1 is environmental monitoring of Early Works Camp Constructions of six main camp sites covering the overall quality of implementation of ESIA commitments including management and storage of topsoil and subsoil, waste segregation and delivery, wastewater management, storm water management and all permits related with the mentioned topics.

Activity 1 was successfully completed on time as planned and foreseen in Grant Agreement and there has been no deviation to the action's objective during the reporting period.

**Activity2:** Objective of the second action is environmental monitoring of construction of pipeline at LOT-1, LOT-2, LOT-3 and LOT-4. The construction activities at LOT-1, LOT-2 and LOT-3 have been started and still going on in this reporting period. The environmental monitoring consists of monitoring the implementation of ESIA commitments including checking construction methodologies, construction activities and related precautions at pipeline RoW (Right of Way), river crossing implementations, erosion control measures, topsoil and subsoil handling and storage, segregation and delivery records of both non-hazardous and hazardous wastes, wastewater discharge records, air quality and noise/vibration measurement records, aggregate material supply records and all permits related with the mentioned topics.

There has been no deviation to the action's objective during the reporting period.

**Activity3:** This activity has not been started yet in this reporting period.

**Activity4:** This activity has not been started yet in this reporting period.

2)  completion of the planned activities

**Activity1:** Environmental monitoring of Early Works Camp Construction of six main camp sites was completed and camp sites were handed over to the pipeline construction contractors on time. 3 Quarterly Monitoring Reports were submitted to MoEU on time and all of them were approved by MoEU.

The milestone related with this activity was reached before the end date; therefore, there was no deviation to the completion of the planned activities.

**Activity2:** Environmental monitoring of construction of pipeline at LOT-1, LOT-2 and LOT-3 has been started and still going on in this reporting period. Weekly and monthly inspection reports were prepared by Third Party Monitoring on time. In addition, quarterly reports were submitted to MoEU on time and all of them were approved by MoEU.

Thus, the milestone related with this activity was reached. Therefore, there was no deviation to the completion of the planned activities in this reporting period.

**Activity3:** This activity has not been started yet in this reporting period.

**Activity4:** This activity has not been started yet in this reporting period.

3)  Action end date

Action end date of Activity 1 is 21/05/2015 as foreseen in Grant Agreement.

Action for Activity 2 is still going on as planned.

Therefore, there is no deviation during the reporting period.

**2.5. Description of the activities' progress planned in the next reporting period and until the end of implementation of the Action**

*Provide a description of the:*

- a) planned progress of the activities in the next reporting period.*
- b) planned progress of the activities to be performed beyond the next reporting period up until the end of the implementation of the Action (if the next reporting period is not the last one).*
- c) tasks related to the compliance with the EU legislation (such as environmental, procurement, etc.).*

- a) Environmental monitoring of pipeline construction activities (Activity 2) will continue for LOT-1, LOT-2 and LOT-3. In addition, environmental monitoring of construction of LOT-4 main camp sites and pipeline construction activities within Activity 2 along with environmental monitoring of construction and commissioning of compressor stations and offtake station activities (Activity 4) will be started within next reporting period. There will be no finalised milestones during the next reporting period since Activity 2 and Activity 4 will continue till 21/02/2019 and 31/12/2019 respectively.
- b) Environmental monitoring of construction of offshore section of the pipeline (Activity 3) will be carried out (01/01/2017 – 21/11/2018) beyond the next reporting period. Activity 3 is foreseen to be finalized 21/11/2018 whereas Activity 2 and 4 are in 2019 as presented in Grant Agreement.
- c) There are no pending issues regarding compliance with EU and national legislation for LOT-1, LOT-2 and LOT-3. Since LOT-4 pipeline construction activities will be started in 2016, related environmental permits will be taken as required accordingly.

### **3. VISIBILITY OF UNION FUNDING (GA II.23.1.1.i or SESAR FPA II.23.1b.i)**

**What measures have been taken within the reporting period to publicise the Action, including EU funding (GA II.7.1)?**

The action has been publicised by mentioning the EU funding, Agreement Number (Agreement No INEA/CEF/ENER/M2014/0019) of the Grant, and EU's logo (flag) in the presentations, progress, and monitoring reports.

In addition, Environmental Monitoring partially funded by European Commission was publicised at TANAP's web site and made open to public.

Moreover, all TANAP employees were informed about Environmental Monitoring that is partially funded by the EC during Environmental Training Sessions.

Lastly, quarterly monitoring activities were executed at construction sites and held meetings with not only site personnels but also with local people reside at nearby settlements (project affected areas) to inform about Environmental and Social Monitoring.

### **4. OTHER SOURCES OF EUROPEAN UNION FUNDS (CEF-E only, GA II.23.1.1.m )**

**If applicable, provide information about other sources of EU funds (CEF, ERDF, Cohesion Fund, H2020, TEN, EEPR, EIPA, etc.) used for the project of common interest (e.g. previous or subsequent phases not covered by the Grant Agreement).**

There are no other European Union Funds applicable for the project.

## 5. COMPLIANCE WITH EU LEGISLATION (GA.II.23.1.1g and h, or SESAR FPA II.23.1b.g and h)

### 5.1. Environmental information within the reporting period: overview of environmental aspects, compliance with EU and national legislation, possible issues during the implementation of the Action and measures taken.

Key environmental issues during the Activity 1 are environmental measures during the construction of the main camp sites.

For soil management, the key environmental indicator is protecting the soil quality. To achieve that goal, adequate measures have been taken (stripping topsoil at enough depth, storing topsoil and subsoil separately with appropriate height and slope, opening drainage channels next to topsoil and subsoil piles to prevent them from surface water flow etc.). There is no apparent degradation in soil quality so far. Stockpiles and soil quality conditions have been checked and maintained periodically.

For waste management, proper central waste accumulation areas have been constructed; so that wastes have been temporarily stored at designated compartments and have been transferred to final recycle or disposal facilities. Solid waste including domestic, package, medical, hazardous, and etc. have firstly been segregated at source and lastly at central waste accumulation areas before recycle and final disposal. Recyclable wastes have been given to licensed firms and hence wastes have been recycled at as highest percentage as possible. Special wastes have been transported to final disposal areas with licensed firms. Activities conducted for Activity 1 have been complying with the related national regulation, Waste Management Regulation (*published in 02/04/2015 dated and 29314 numbered Official Gazette*), and EU directive, Waste Framework Directive (*2008/98/EC Directive of 19 November 2008*).

For wastewater management, proper wastewater treatment plants have been constructed at each camp site and application for the discharge permits were done to the related Provincial Environmental and Urbanization Directorate. No wastewater has been discharge to environment (receiving body) unless it is met and complied with discharge requirements. Due to dramatic temperature drop in Eastern Part of Turkey during the winter period, efficiency of biological wastewater treatment has been affected in short period since microorganism is sensitive to temperature changes. However this problem was resolved rapidly by supplying additional heaters to treatment system. Periodic wastewater sampling has been exercised to ensure discharge requirements and treatment efficiency. Activities conducted for Activity 1 have been complying with the related national regulation, Wastewater Control Regulation (*published in 31/12/2015 dated and 25687 numbered Official Gazette*), and EU directive, Urban Wastewater Treatment Directive (*91/271/EEC Directive of 21 May 1991, Amendments: 98/15/EC Directive of 27 February 1998, 93/481/EEC Commission Decision of 28 July 1993*).

For water management, proper potable water treatment plants are installed to provide

water intended for human consumption. Periodic water sampling has been exercised at various locations to ensure quality of potable water for human consumption. Moreover, drinking water has been supplied by bottled water for camps and RoW since the beginning of the activities. Activities conducted for Activity 1 have been complying with the related national regulation, Regulation on Water Intended for Human Consumption (*published in 17/02/2005 dated and 25730 numbered Official Gazette*), and EU directive, Drinking Water Directive (*98/83/EC Directive of 3 November 1998*).

Key environmental issues during the Activity 2 are environmental measures during the construction activities on RoW and activities conducted in the camp sites.

For soil management, one of the key environmental indicators is protecting the soil quality on RoW. Appropriate measures have been taken (stripping topsoil at enough depth, storing topsoil separately from subsoil with appropriate height and slope at the border of RoW). Furthermore, more critically, necessary measures are taken to protect surface water resources especially at the temporary access road opening on river crossings on RoW (by using adequate number of pipes to provide water flow and installing geotextile cover, sand bags and silt fences as sediment control measures). There is no apparent degradation in soil quality so far. Stockpiles and soil quality conditions have been checked and maintained periodically.

For waste management, proper waste segregation and storage have been provided in the main camp sites and their disposals have been provided adequately. On RoW, separate waste bins have been provided for each type of waste. Wastes collected in appropriate waste bins at RoW have been taken to camp sites at the end of the day and hence no waste has been left behind. Camp sites and construction sites on RoW have been kept clean and tidy. Wastes have been recycled and disposed by licensed firms at licensed facilities after they have been segregated at source and at central waste accumulation areas. Activities conducted for Activity 2 have been complying with the national regulation, Waste Management Regulation (*published in 02/04/2015 dated and 29314 numbered Official Gazette*), and EU directive, Waste Framework Directive (*2008/98/EC Directive of 19 November 2008*).

For wastewater management, wastewater treatment plants in all camp sites are working properly and monthly wastewater analysis are conducted for each plant. However, some difficulties were experienced at wastewater treatment plants at LOT-3 in terms of treatment efficiency. Thus, the installed wastewater treatment plants were renovated at LOT-3. No wastewater that does not meet discharge requirements has been given to receiving body during to efficiency problem and renovation.

In the main camp sites where wastewater treatment plants are operating, no analysis results show that there is a contamination risk to any receiving body and no wastewater has been discharge to environment (receiving body) unless it is met and complied with discharge requirements. On RoW, portable toilets for the use of workers have been provided where construction activities have been carried on. Activities conducted for Activity 2 have been complying with the national regulation, Wastewater Control Regulation (*published in 31/12/2015 dated and 25687 numbered Official Gazette*), and EU directive, Urban Waste Water Treatment Directive (*91/271/EEC Directive of 21 May 1991, Amendments: 98/15/EC Directive of 27 February 1998, 93/481/EEC Commission Decision of 28 July 1993*).

For potable water supply, water treatment plants in the camp sites are working properly and monthly analysis are carried out for each camp site. The analysis results show that the potable water supplied in the camp sites comply with the national standards. On RoW, potable water is supplied as bottled water. Moreover, drinking water has been supplied by bottled water for camps and RoW since the beginning of the activities. Activities conducted for Activity 2 have been complying with the national regulation, Regulation on Water Intended for Human Consumption (*published in 17/02/2005 dated and 25730 numbered Official Gazette*), and EU directive, Drinking Water Directive (*98/83/EC Directive of 3 November 1998*).

**5.2. Where relevant, information on the compliance with EU legislation:**

- **information on the contracts awarded for the implementation of the Action and on compliance with the requirements set out in GA II.9 and II.10**
- **regarding other matters, notably public procurement, competition, regulatory matters, (CEF-E only) the update of the CBCA decision, etc.**

For the implementation of the Action, the contract, "THIRD PARTY MONITORING CONSULTANT CONTRACT FOR ENVIRONMENTAL AND SOCIAL MONITORING relating to the TRANS ANATOLIAN PIPELINE PROJECT", was signed with Çınar Engineering Consulting Co., Third Party Monitoring Consultant, on 15/12/2014. The completion date of the contract is 15/12/2019. Third Party Monitoring Consultant Contract scope is stated as optional service item in the ESIA Contract.

Çınar Engineering Consulting Co. was selected as winning bidder out of 4 companies for execution of the ESIA Contract in 2012. The ESIA Contract had stated that Environmental Monitoring of construction phases of TANAP Project may also be awarded to the ESIA Contract winning bidder (company) in its article 3.13 and required unit rates for such services from bidders. As best value for money offer for ESIA studies and subsidiary monitoring services, Çınar Engineering Consulting Co. was selected.

Therefore, Third Party Monitoring Consultant Contract was signed with Çınar Engineering Consulting Co. on 15/12/2014 for Environmental and Social Monitoring of construction phases of TANAP Project.

Third Party Monitoring Consultant has signed a contract, "WATER QUALITY, AIR QUALITY, NOISE QUALITY, SOIL QUALITY MEASUREMENT and ANALYSIS AND REPORTING STUDY CONTRACT relating to the TRANS ANATOLIAN PIPELINE PROJECT ENVIRONMENTAL AND SOCIAL MONITORING", with Çınar Environmental Laboratory Co. on 03/08/2015 to perform measurements, analyses and reporting studies within the scope of environmental monitoring activities carried out.

## 6. IMPLEMENTATION SCHEDULE, GOVERNANCE AND MONITORING, OTHER RELEVANT ADMINISTRATIVE PROVISIONS (GA II.23.1.1.k and I, or SESAR FPA II.23.1b.k and I)

**6.1. In the first ASR, information on implementation schedule, such as critical path, key performance rates and risk analysis; in subsequent ASR, information on any modifications and, if applicable, on the progress of the implementation of the arrangements referred to in previous ASR. If there are changes in the Action timetable as compared to the latest planning (Grant Agreement or previous ASR), attach an updated Gantt chart.**

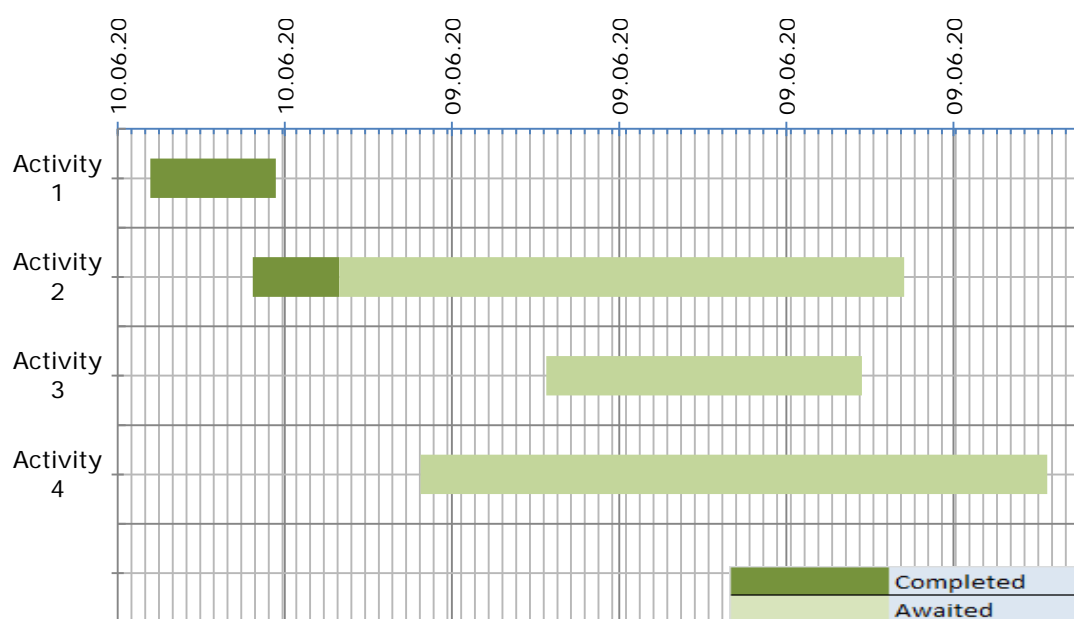
Environmental monitoring studies are conducted according to stage of the process. For each stage there are different milestones and parameters should be monitored. Results of the monitoring studies are submitted to the Ministry of Environment and Urbanization quarterly.

In activity 1 there have been three quarterly environmental monitoring reports submitted to the MoEU.

In activity 2 there have been two quarterly environmental monitoring reports submitted to the MoEU.

Key Performance Indicator (KPI) for quarterly environmental monitoring can be defined as submitting them on time and having none of them rejected. All of the reports submitted for both of the activities can qualify for this KPI.

The related Gantt Chart is given below;





In the Gantt Chart given above, bars with darker green indicate completed part of the activity whereas lighter green indicates incomplete part.

It can be seen from the Gantt Chart above and table below that Activity-1 has been completed. Moreover, 13% of the Activity-2 is completed as of the end of this reporting period.

Activity	Start Date	End Date	Percentage Completed
<b>Activity 1</b>	20.08.2014	21.05.2015	<b>100%</b>
<b>Activity 2</b>	07.04.2015	21.02.2019	<b>13%</b>
<b>Activity 3</b>	01.01.2017	21.11.2018	<b>0%</b>
<b>Activity 4</b>	01.04.2016	31.12.2019	<b>0%</b>

**Action's implementation progress (cumulated %)**

	2014	2015		2016		year 2019	
Action level	Current ASR	Previous ASR	Current ASR	Previous ASR	Current ASR	Previous ASR	Current ASR
Activity	Current ASR	Previous ASR	Current ASR	Previous ASR	Current ASR	Previous ASR	Current ASR
1	33%		100%	100%	100%	100%	100%
2	0%	0%	13%	13%	27%	93%	100%

In regards of risk analysis, below table presents risk analysis submitted in the proposal and there is no change or update for risk analysis.

Activity/ Subactivity No	Risk	Impact (High/Medium/Low)	Likelihood (High/Medium/Low)	Control (Under/Beyond)	Preventive/Mitigating measure(s)
1-Delay in Preparation of Tender Documents	Low	Medium	Low	Under	Early start to prepare documents. Preparations of some document are out sourced.
2- Not satisfactory tendering and evaluation process for the selection of Consultant	Low	Medium	Low	Under	1-Provide wide participation with effective announcement and invitation for bid processes. 2- Direct Contract with existing Consultants
3-Gaps in ESIA report	Low	Medium	Low	Under	1-Early start of the review of ESIA with other consultants.

**6.2. In the first ASR, information on governance and monitoring of the Action, such as organisational structure, internal coordination, communication and reporting, and decision making process; in subsequent ASR, information on any modifications and, if applicable, on the progress of the implementation of the arrangements referred to in previous ASR.**

TANAP Environment Department has been responsible for carrying out the environmental monitoring of the project and coordinating the implementation of the Action. In addition, Third Party Monitoring Company has been monitoring the project in terms of ESIA commitments realization. Third Party Monitoring Company has been generating daily, weekly, monthly, and quarterly reports to monitor the activities in line with ESIA commitments, national and EU legislations.

In terms of progress and current conditions of the project and realization of ESIA commitments during the progress has been reported to MoEU by Third Party Monitoring Company.

Furthermore, bi-weekly meetings have been exercised between TANAP, Third Party Monitoring Company, and Engineering, Procurement and Construction Management (EPCM) Company in regards of environmental monitoring and observations. In addition to bi-weekly meetings, weekly site meetings have been exercised between related parties.

Third Party Monitoring Company has executed management of environmental monitoring by Project Management Team (PMT) located at headquarter (Ankara). In addition to PMT, one environmental and one soil expert at each Lot have been monitoring the project. Site experts have been generating daily, weekly, and monthly monitoring reports and sharing with PMT, TANAP Environment and EPCM Environment Departments.

PMT and other several experts in biology, surface water, geo-hazard, and sociology have exercised quarterly monitoring at sites and reported to MoEU.

Third Party Monitoring Company including PMT, office and site experts have been coordinated by TANAP Lead Environmental Engineer and Environmental Manager.

If there are any gaps or non-conformance issues in terms of environmental commitments, they are reported and brought up to the meetings and decisions are made according to ESIA commitments, plans, procedures, and method statements and hence corrective actions are taken as required.

**6.3. In the first ASR, information on other relevant administrative provisions, such as quality controls and audits; in subsequent ASR, information on any modifications and, if applicable, on the progress of the implementation of the arrangements referred to in previous ASR.**

Environment Department of TANAP was internally audited by Quality Department of TANAP on 22/12/2015 in terms of Integrated Management System (ISO 14001).

In addition to internal audit, Intertek which is an independent auditing company executed gap analysis to Environment Department of TANAP on 17/08/2015. After the gap analysis execution, Intertek externally audited Environment Department of TANAP on 12/01/2016 and 16/02/2016 as Stage 1 and Stage 2 for certification of ISO 14001 respectively.

Third Party Monitoring Company is also second party audited by Quality Department of TANAP on 16-17/06/2015.

Furthermore, administrative audits by Provincial Directorate of Environment and Urbanization for each camp site were performed at main camp sites within the scope of wastewater discharge permit application.

Financial information (GA II.23.1.1.d to f) stated below to be submitted as Annex is under evaluation by executive management according to Activity 3 and 4 requirements. Financial information will be shared before due date (31 March 2016).

ANNEX: Financial information (GA II.23.1.1.d to f or SESAR FPA II.23.1b.d to f)

<b>CERTIFICATION OF THE MEMBER STATE*</b> (applicable only for ASR and for beneficiaries established in the European Union)	
Name	Not Applicable
Position	
Entity	
Telephone N°	
E-mail	
<p>In compliance with Article II.23.1 (or SESAR FPA II.23.1b) of the GA, it is certified that the information provided by the following Beneficiary(ies) in the ASR is full, reliable and true.</p> <p><input type="checkbox"/> Beneficiary 1 <input type="checkbox"/> Beneficiary 2 <input type="checkbox"/> Beneficiary 3 <input type="checkbox"/> Beneficiary n</p>	
Date and signature	
Stamp (optional)	

\* In line with the terms of Art. 22 of the CEF Regulation