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ABBREVIATIONS

AMR	:Annual Monitoring Report
CMS	:Current Monitoring Station
CSR	:Corporate and Social Responsibility
DSI	:State Hydrolic Works
EAR	:Ecosystem Assessment Report
EBRD	:European Bank For Reconstruction and Development
EHS	:Environment, Health and Safety
EHSS	:Environment, Health, Safety, Social
EMR	:Emergency Response
ESAP	:Environmental and Social Action Plan
ESIA	:Environmental and Social Impact Assessment
E&S	:Environment and Safety
ESMS	:Environmental Social Management System
FFE	:Fire Fighting Equipment
ICOLD	:International Commission On Large Dams
IFC	:International Finance Coorperation
LTIR	:Indicator that measures a companies Lost-Time Injury Rate and adjust for the number of hours a facility works
MSDS	:Material Safety Data Sheet
NGO	:Non-Governmental Organization
NTS	:Non-Technical Summary
PIF	:Project Information File
SEP	:Stakeholder Engagement Plan
TIKAV	:Turkey Human Resources Education And Health Foundation
TRCOLD	:Turkish Grand National Committee of International Large Dams Commission
TRIR	:Indicator that measures companies Total Recordable Injury Rate and adjust for the number of hours a facility works.

AMR SECTION I

INTRODUCTION

According to the Investment Agreement of IFC and EBRD, Akfen must prepare an Annual Monitoring Report (AMR) covering its projects, environmental and social (E&S) performance of its own facilities and operations. This document is organized according to IFC and EBRD's preferred format for E&S reporting. The template below can be integrated with the necessary annexes to ensure that all relevant information about the project is reported.

Contents:

- Project Information
- Client's Representation Statement by Sponsor authorized representative
- Summary of key E&S aspects during the Reporting Period
- New Development/ Corporate Financing
- Action Plan Status and Update
- Deviations/non-compliances

All transactions (inspection, training, documentation, reporting, etc.) within the scope of objective preparation of this activity report covering January 2016 - January 2017 period were carried out by Selin Construction Tourism Consulting Industry and Trade Limit Company as third party. Environmental and Social Management System Documents were completed in the third quarter of 2016. We have been continuning to work towards getting the systems into practice. Environmental and Social Management System is in Annex-10.

AMR SECTION II

CLIENT'S REPRESENTATION STATEMENT BY SPONSOR AUTHORIZED REPRESENTATIVE

I, Mustafa Kemal GÜNGÖR in my role of Assistant General Manager and representing Akfen Company certify that

a) The Project is in compliance with all applicable E & S Requirements as described in the investment contract and all actions required to be undertaken pursuant to the Environmental and Social Action Plan (ESAP) and any subsequent supplemental action plans with the exception made for those that have been disclosed in Section Seven (VI) in this report.

b) Beyond what is reported in this AMR for the current reporting period, in relation to the Project, to the best of my knowledge , after due inquiry, there are no:
   - Circumstances or occurrences that have given or would give rise to violations of E&S and Labor Law or E&S and labor claims;
   - Social unrest, local population disruption or negative NGO attention due to the project
   - Material social or environmental risks or issues in relation to the Project other than those identified by the E&S Assessment and the Environmental and Social Review Summary.
   - Existing or threatened complaint, order, directive, claim, citation or notice from any authority.
   - Any written communication from any person , in either case, concerning the Project's failure to comply with any matter covered by the Performance Standards;
   - Ongoing or threatened, strikes, slowdowns or work stoppages by employees of the obligor or any contractor or subcontractor with respect to the Project;

c) All information contained in this AMR is true, complete and accurate in all respects at the time of submission and no such document or material omitted any information the omission of which would have made such document or material misleading.

d) There have not been any new company activities (eg. expansions, construction works, etc.) that could generate adverse environmental effects. There have been no new ESIA studies, audits, or E&S action plans conducted by or on behalf of Akfen, with respect to any Environmental or Social standards/regulation/ applicable to the Project that IFC and EBRD has not been notified of.

Signature Date

27.02.2017

AMR SECTION III

SUMMARY OF KEY E&S ASPECTS DURING THE REPORTING PERIOD

This section aims to identify the key E&S progress/activities/incidents during the reporting period (include Summary of Key Findings for the Reporting Period e.g. non-compliances, significant incidents[1], social unrest, significant improvements/initiatives regarding E&S performance etc.)

Project Status

Select the current status of the project and provide a brief description of the developments in relation to the project over the reporting period. For example, construction has been started or completed, has new equipment been installed, has production capacity increased, is the investment in new projects considered? Please use annexes as needed.

Akfen's project asset is given in the following table.

AKFEN PROJECTS								
No	Project Name	Projcet Status						
		Design	Construction	Capacity increase	Operation	Closure	Other	Statement
1	OTLUCA HEPP				✓			
2	SIRMA HEPP				✓			
3	SEKİYAKA HEPP				✓			
4	DEMİRCİLER HEPP				✓			
5	KAVAKÇALI HEPP				✓			
6	GELİNKAYA HEPP				✓			
7	SARAÇBENDİ HEPP				✓			
8	ÇAMLICA III HEPP				✓			
9	DORUK HEPP				✓			
10	YAĞMUR REGULATOR AND HEPP				✓			
11	DOĞANÇAY HEPP				✓			

[1] Examples of significant incidents follow. Chemical and/or hydrocarbon materials spills; fire, explosion or unplanned releases, including during transportation; ecological damage/destruction; local population impact, complaint or protest; failure of emissions or effluent treatment; legal/administrative notice of violation; penalties, fines, or increase in pollution charges; negative media attention; chance cultural finds; labor unrest or disputes; local community concerns.

AKFEN PROJECTS								
No	Project Name	Projcet Status						
		Design	Construction	Capacity increase	Operation	Closure	Other	Statement
12	SOLENTEGRE SPP				✓			Construction was completed in 2016 and taken into operation.
13	YAYSUN SPP				✓			
14	DENIZLI SPP				✓			
15	MENZELET DAM AND HEPP						✓	The operation tender was won for 49 years. Transfer operations are continuing.
16	KILAVUZLU DAM AND HEPP						✓	The operation tender was won for 49 years. Transfer operations are continuing.
17	ÇALIKOBASI HEPP		✓					Construction activities are continuing.
18	ÇİÇEKLİ HEPP		✓					Construction activities are continuing.
19	ÇATAK HEPP						✓	Pre-Construction Works are continuing.
Projects are listed below have production license								
20	OMİCRON ERCİŞ SPP*						✓	There is a preliminary license and studies are ongoing to obtain a license
21	PSI ENGİL SPP						✓	There is a preliminary license and studies are ongoing to obtain a license
22	FIRINCI SPP						✓	There is a preliminary license and studies are ongoing to obtain a license
23	MT SPP						✓	There is a preliminary license and studies are ongoing to obtain a license

AKFEN PROJECTS								
No	Project Name	Projcet Status						
		Design	Construction	Capacity increase	Operation	Closure	Other	Statement
24	MESE SPP						✓	There is a preliminary license and studies are ongoing to obtain a license
25	YAYSUN SPP						✓	There is a preliminary license and studies are ongoing to obtain a license
Projects are listed below are unlicensed								
26	AMASYA SPP						✓	Pre-construction works are continuing. EPC contract work is ongoing
27	TOKAT SPP						✓	Pre-construction works are continuing. EPC contract work is ongoing

*It has been reported that the location of the facility is not suitable because the Omicron Erciş SPP project site is in Erciş District of Van Province, and the Van Governorate decides that the plant could be close to the military units and monitoring easily according to Military and Security Regions consept. For this reason, the preparations for the project area relocation are ongoing. It is aimed to carry the project to a location close to other projects with 20 MW board power located in Edremit District of Van Province.

Table 1- Akfen Projects

New investment under development? ☒Yes ☐ No

Please provide details in section IV of this AMR report.

As a new investment in 2016, the management rights of MENZELET and KILAVUZLU Dams and HEPPs operated by EÜAŞ were obtained from the Privatization Administration by a tender for 49 years. The 'Environmental and Social Due Dillagence Report' has been prepared for the environmental, social and OHS evaluation, as well as technical and economic feasibility studies, before and during the procurement process. This report has been submitted to IFC and EBRD. Transfer operations of both projects are ongoing.

Photograph-1 Views from Kılavuzlu Dam and HEPP, Menzelet Dam and HEPP

PK1, PS1: ASSESSMENT AND MANAGEMENT OF ENVIRONMENTAL AND SOCIAL RISKS AND IMPACTS

Please provide details on the status of the following voluntary management systems certification schemes at your facilities, provide details below. Please complete separate tables as needed.

	Not being considered	Future consideration	Planning to implement	Currently implementing	Successfully implemented	Date of certification/ re-certification
ISO 9001 - Quality	☐	☐	☐	☐	☒	25/01/2017
ISO 14001 - Environment	☐	☐	☐	☐	☒	25/01/2017
OHSAS 18001 - OHS	☐	☐	☐	☐	☒	01/02/2017
ISO 50001 - Energy	☐	☐	☐	☐	☒	01/02/2017

Table 2- Management Systems

In Akfen, ISO 9001 Quality Management System, ISO 14001 Environmental Management System, OHSAS 18001 Occupational Health and Safety Management System and ISO 50001 Energy Management System were applied. The work will start in 2017 regarding the implementation of these certifications in all plants.

Describe any changes in the organizational structure to manage environment, health and safety, labor and social aspects during the reporting period. Describe number of personnel in charge of E&S and OHS issues.

Company organization chart; we have 21 staff who are competent and experienced in their fields to make and control environmental, social, occupational health and safety (OHS) applications in our head office, operational power plants and constructions. Below, environmental, social and OHS organization structure is given for Akfen center. At the center there are 4 specialist personnel for environment, social and OHS applications. Environment and OHS Manager is responsible for head office applications and supervision of operations by Environmental Expert, OHS Expert and Public Relations Specialist.

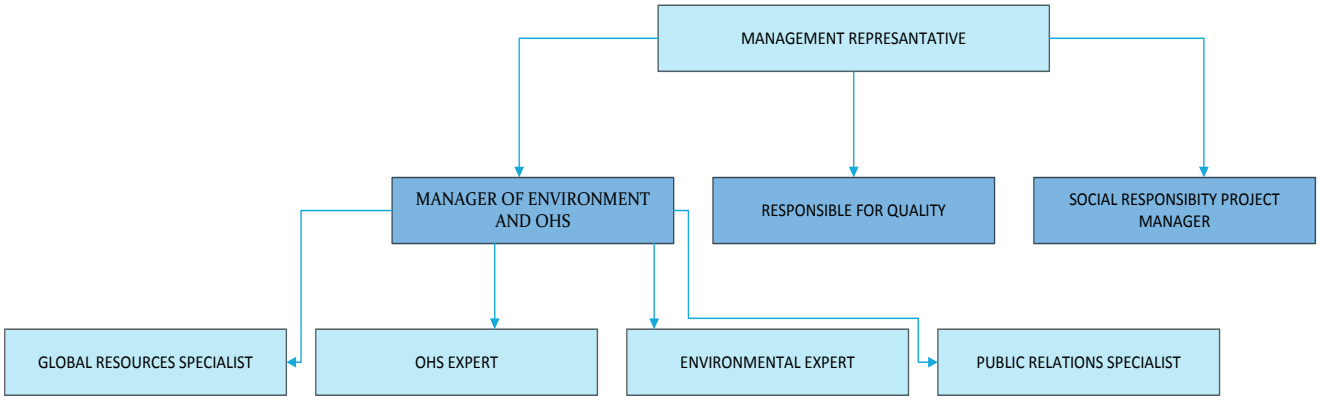

Table 3- Organization Chart

In our two projects under construction, there are 6 specialist personnel, who are responsible for the environmental, social and OHS issues in the area. Each of our 11 operating plants has a staff member responsible for environmental, social and OHS implementation. A total of 11 staff members were assigned to these matters in the plants.

Describe the level of environmental, social and health and safety training provided to staff. Provide annex with list of topics, hours of training and number of participants.

All personnel working in Akfen have been given general awareness training in environmental social, health and safety issues. Apart from this, special trainings have been given in the fields of the applications and related security precautions in accordance with the characteristics of the work they are doing. Training topics are primarily determined by national legislation requirements and IFC-EBRD standards. In addition, ISO 9001 Quality, ISO 14001 Environment, ISO 50001 Energy and OHSAS Occupational Health and Safety Management Systems were introduced and implemented. The environmental, social, health and safety trainings are given to the staffs in the Akfen Center, operating plants and the construction sites in the context of the table given in Annex 1, and training records are also available.

The following table summarizes the training subjects, total duration and the number of personnel involved in all our businesses and construction in 2016.

AKFEN RENEWABLE ENERGY YEAR 2016 TRAININGS				
NO	**PROJECT NAME**	**ENVIRONMENT AND OHS TRAINING SUBJECTS (Occupational Health and Safety Trainings, Electrical Hazards Training, Emergency Response Training and Training for EMR Teams, Environmental Awareness Training, etc.)**	**TRAINING DURATION (minutes)**	**NUMBER OF STAFF PARTICIPATING IN TRAINING (average)**
1	OTLUCA HEPP	✓	1490	22
2	SIRMA HEPP	✓	1650	7
3	SEKİYAKA HEPP	✓	1370	8
4	DEMİRCİLER HEPP	✓	2270	11
5	KAVAKÇALI HEPP	✓	1085	12
6	GELİNKAYA HEPP	✓	900	8
7	SARAÇBENDİ HEPP	✓	1305	15
8	ÇAMLICA III HEPP	✓	1230	14
9	DORUK HEPP	✓	1680	15
10	YAĞMUR HEPP	✓	780	12
11	DOĞANÇAY HEPP	✓	375	16
12	SOLENTEGRE SPP	✓	2520	15
13	YAYSUN SPP	✓	660	4
14	DENİZLİ SPP	✓	825	4
15	ÇALIKOBASI HEPP	✓	720	9
16	ÇİÇEKLİ HEPP	✓	300	8
17	AKFEN CENTER	✓	600	18

Table 4- **Trainings in 2016 Year**

Photograph-2 Images from trainings

During the reporting period, are you aware of any events that may have caused damage; brought about injuries or fatalities or other health problems; attracted the attention of outside parties; affected project labor or adjacent populations; affected cultural property; or created liabilities for your company?

☒Yes ☐ No

Provide details

In the year 2016, the following accident was happened and recorded. The accident report is given in Annex-2.

No	Operation/Site Name of the accident	Accident Date	Accident location (Is it inside or outside the operation/site?)	Accidental Loss			
				Number of people living with injuries / health problems	Number of fatality	Property damage	Impacts on Cultural Assets
1	ÇALIKOBASI HEPP Construction site	06.11.2016	Inside the site	1	--	--	--

Note: There was no day lost in the accident.

Table 5-Accident Factors

Describe any ongoing public consultation and disclosure, liaison with non-governmental organizations (NGOs), civil society, local communities or public relations efforts on environmental and social aspects.

Within the period of 2016-2017, Company web page was prepared. Non-technical summaries are published on the web page that contain information about our plants, constructions, and all our projects under pre-construction work. Within the scope of our new SPP projects, project introductory brochures will be distributed to the local people. The contact information of the public relations specialist, who can be contacted for each project, and how all potential stakeholders can make grievances are explained in detail on the web page. The power plants in operation, the two HEPP projects under construction, and all the projects for which pre-construction works were carried out were examined by the expert sociologist, interviewed with local people, Stakeholder Participation Plans were prepared and published on the web page.

By establishing good relationships and exchanging information with our stakeholders at every stage of the project process; to carry out our works in good faith, is our main goal.

We also provide social aids for the villagers in our project locations that will benefit the village legal entity. Within the scope of the social responsibility projects planned together with TİKAV in Akfen Holdingor in the project areas, we shared with our stakeholders and passed the dream of “Education at Home Project”. This project is still going on.

Photograph-3 Images from Otluca HEPP "Home Schooling" Social Project

Photograph-3 Images from Otluca HEPP "Home Schooling" Social Project

Briefly describe new initiatives implemented during the reporting period or additional managerial efforts on E&S aspects (e.g. Energy/water savings, sustainability report, waste minimization, etc)

Within the framework of the ISO 14001 Environmental Management System and ISO 50001 Energy Efficiency Management System studies, the policies committed by Akfen management have been determined in 2016. For system applications, energy and water consumption quantities in Akfen Center, plants and construction sites have begun to be recorded. Measures and actions have been planned in consideration of consumption trends for saving and efficient use within the scope of Quality Management Systems. Implementation of waste disposal, storage, transportation and disposal in accordance with national legislation is continuing within the scope of waste management. Records of waste quantities, transport and disposal are kept and archived. Personnel are aware of these issues with the trainings given in the scope of environmental protection.

The Eco-System Assessment Reports for HEPPs were prepared in their own process in the previous dates. By taking the measurements mentioned in these reports, necessary precautions are taken and applications are made in order to ensure the sustainability at the ecosystems of the downstream and upstream of the HEPPs. At the same time, the SAP program was introduced for accounting-finance issues in order to make professional budget-reporting. M-FILES program was also introduced with regard to documentation follow and archive systems. Thus, documentation records will be systematically kept in electronic form.

Briefly describe the number and type of comments and/or grievances received by the Company in relation to E&S Issues? How many have been resolved and how many are pending? (Please attach a table with grievance redress registry)

The summary of the complaints received during this period and the complaints regarding the case are given in the following table.

Type of complaint	Number of Complaints	Number of Complaints solved	*Complaints that can not be closed
Damage to the fields due to overflowing water during the periods of fame in Sakarya River.	10	1	9
TOTAL	10	1	9

* Litigation and arbitration agreement negotiations are ongoing

Table 6- Complaints

The complaints on the table given in the following section are explained in detail.

Have ESIA's and or E&S Due Diligence conducted during the reporting period? (Please provide copies)

The Environmental and Social Due Dillegence Report has been prepared for Menzelet and Kılavuzlu HEPP projects, for which were won tender in 2016. The copy of the report is given in Annex-3.

Using the Table provided below list any internal and/or external grievance or dispute (include court action) received during the reporting period, describe how it was addressed and its current status.

Grievance/ Dispute Date	Complainant	Issue	Solved (Y / N)	Action taken	Date Closed
02.05.2016	Ahmet Hamdi ŞENOL	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/277)	Continues
20.05.2016	Suphi DARDAĞAN	Damage to a part of the owner's land in the flood incident during the construction period at Doğançay HEPP	Y	Compensated for damage by understanding with the owner of the field.	11/08/2016
16.06.2016	Zeynep Emine ÖZKAYNAK	In Doğançay HEPP has been inundated with water during the periods when the lake water has risen and the land has become unusable	N	In order to expropriate the land, an agreement was reached with the complainant, and negotiations continue. However, a positive result has not yet been obtained.	Have not closed yet

Grievance/ Dispute Date	Complainant	Issue	Solved (Y / N)	Action taken	Date Closed
11.07.2016	Ayşe KÖSEOĞLU and others	Litigation filed for the compensation of damages occurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/448)	Continues
26.07.2016	Hatice ARSLAN	In Doğançay HEPP has been inundated with water during the periods when the lake water has risen and the land has become unusable	N	In order to expropriate the land, an agreement was reached with the complainant, and negotiations continue. However, a positive result has not yet been obtained	Have not closed yet
01.12.2016	Salih ÇAKMAK	Litigation filed for the compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance) 2016/725)	Continues
01.12.2016	Dursun Ali ÇAKMAK	Litigation filed for the compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/724)	Continues
01.12.2016	Lütfü GÜNEY	Litigation filed for the compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/726)	Continues
01.12.2016	Şaban ÇAKMAK	Litigation filed for the compensation of damages occurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/727)	Continues
24.01.2017	İlhan YILDIRIM	In Doğançay HEPP, as a result of the overflow of the water in the lake area, the field damaged and agricultural actities were ceased	N	Determine the loss of landlord's loss. It will go to the deal.	Have not closed yet

Table 7-Complaint Disputes

PS2, PK2. LABOR AND WORKING CONDITIONS

Have you changed your Human Resources (HR) policies, procedures or working conditions during the reporting period?

☒Yes ☐ No

Provide details

Within the scope of ISO 9001 Quality Management System studies in 2016, Akfen Human Resources Procedure has been established and it includes;

- In line with the scope of the AKFEN organization scheme, job descriptions, authority, proxy and manager / staff expertise, experience and skill criteria,
- Procedures for requesting new personnel, determining the qualifications sought,
- How to apply for new personnel appropriately,
- How the job application process is followed and controlled by,
- How the orientation training and information will be given and recorded by who,
- Who will perform the personnel performance and how,
- Establish appropriate performance criteria for the job,
- How performance data are assessed and what sanctions are applied,
- How the training needs are determined by who,
- How the training needs are provided with internal / external resources,
- How the trainer's minimum criteria for internal and external trainings are determined and how the trainings are assessed,
- How to prepare records of personnel, administrative, health and educational activities, where and for how long the records should be archived,
- How to ensure the continuity of the work force in such cases permission, day off, health problems, etc.,
- How to provide and evaluate staff questionnaires, proposals, appeals and complaints,
- Personnel communication rules developed in accordance with the hierarchical structure,
- Procedures to follow and control the subcontractor personnel,
- Internal discipline rules
- Work on HR practices continues.

Provide the following information regarding your workforce. Please add rows as needed :

Site	Number of employees who are directly employed	Number of female employees directly employed	Number of employees who are termnated	Number of hired employees	Number of contractor employees [2]
AKFEN CENTER	39	11	2	None	None
OTLUCA HEPP	22	None	None	None	None
SIRMA HEPP	7	None	1	None	None
SEKİYAKA HEPP	8	None	None	None	None
DEMİRCİLER HEPP	11	None	None	None	None
KAVAKÇALI HEPP	12	None	None	None	None
GELİNKAYA HEPP	8	None	None	None	None
SARAÇBENDİ HEPP	15	None	None	None	None
ÇAMLICA III HEPP	14	None	None	None	None
DORUK HEPP	15	None	None	None	None
YAĞMUR HEPP	12	None	None	None	None
DOĞANÇAY I-II HEPP	18	2	None	None	1
SOLENTEGRE SPP	3	None	None	None	1
YAYSUN SPP	4	None	None	None	None
DENİZLİ SPP	4	None	None	None	None
ÇALIKOBASI HEPP (under construction)	12	None	None	None	175
ÇİÇEKLİ HEPP (under construction)	6	None	1	None	60
TOTAL	199	13	4	None	237

Table 8- Workforce Information

[2] Contractors who perform the essential functions for the Company at the Company's premises or on behalf of the Company

OCCUPATIONAL HEALTH AND SAFETY

Describe the main changes implemented in terms of Occupational Health and Safety (OHS) during the reporting period, e.g. identification of hazards, substitution of chemicals, new controls, etc.

Under the national legislation, Hazard Identification and Risk Assessment are mandatory for all workplaces. Within this scope, hazard identification and risk aassessment have been carried out in Akfen head office, operating power plants, and constructions. With the applied OHSAS Occupational Health and Safety Management System, hazard identification and risk assessments are systematically controlled and revised, necessary measures are taken and responsibilities are determined.

Chemical use is very low since Company's operations use renewable energy sources. Only hydraulic oil and grease are used to lubricate the gears and moving parts. For this reason, there are only hydraulic oil, grease, contaminated gloves, rag and contaminated wastes in the sope of hazardous wastes including maintenance and repair activities. The material safety data sheets (MSDS) belonging to the used chemical are kept in the power plants. Storage of flammable properties, exposure and disposal of wastes, etc. are in compliance with the provisions of the Material Safety Data Sheet. Within the scope of ISO 14001 Environmental Management System and OHSAS 18001 Occupational Health and Safety Management System; starting with the purchase; training and packaging, attention to dangerous goods, personnel who use and storage, information on the PPE to be used, emergency measures, waste disposal, etc. are provided and necessary records are kept. Compliance with the instructions is checked by periodic inspections. Control forms established under OHSAS are used in inspections and even if inspectors are different, inspections are provided with the same point of view.

Provide the workplace monitoring data, including thermal conform (temperature, humidity), noise, lightning during this reporting period.

Company has completed the work hygiene measurements in all the operations in 2014 and 2015 but these measurements have to be replicated both by accredited institutions by TÜRKAK and accredited by Ministry of Labor and Social Security due to the changes in the Turkish Legislation. Corrective actions have been initiated by Akfen on the subject and measurements have been renewed in Demirciler HEPP, Kavakçalı HEPP, Sekiyaka HEPP and Denizli SPP operations and the reports are given in Annex 4. Measurements will be renewed in planned form in other plants and consrruciton sites in 2017 (see. AMR Section VI.).

A list of measurements made before the year 2016 is given below. Points was measured are indicated on the plans in the reports. The reports of the measurements are given in Annex 4.

Fields	Occupational Hygiene Measurements (Report Dates)			
	Thermal Comfort Measurement	Noise Exposure Measurement	Lighting Measurement	Indoor Noise Measurement
Akfen Center	18.11.2014		18.11.2014	
Sırma HEPP	11.08.2014	11.08.2014*	11.08.2014	11.08.2014*
Demirciler HEPP	07.08.2014 06.02.2017	07.08.2014 06.02.2017	07.08.2014 06.02.2017	07.08.2014* 06.02.2017
Doğançay I- II HEPP	29.09.2014	29.09.2014	29.09.2014	29.09.2014
Doruk HEPP	16.04.2015	16.04.2015	16.04.2015	16.04.2015
Gelinkaya HEPP	25.11.2014	25.11.2014	25.11.2014	25.11.2014*
Kavakçalı HEPP	07.08.2014 06.02.2017	07.08.2014 06.02.2017	07.08.2014 06.02.2017	07.08.2014* 06.02.2017
Otluca HEPP	07.08.2014	07.08.2014	07.08.2014	07.08.2014*
Saraçbendi HEPP	22.04.2015	22.04.2015	22.04.2015	22.04.2015*
Sekiyaka HEPP	11.08.2014 06.02.2017	11.08.2014 06.02.2017	11.08.2014 06.02.2017	11.08.2014* 06.02.2017
Yağmur HEPP	01.07.2015*	01.07.2015	01.07.2015*	01.07.2015*
Denizli SPP	02.02.2017	02.02.2017	02.02.2017	02.02.2017

*The measurement points are shown on a map.

Table 9- Occupational Hygiene Measurements

Occupational Health and Safety Indicators . Please provide separate tables as needed for each site and at corporate level.

Report Total numbers for each parameter	This reporting period		Reporting period- Previous year	
	Direct employees	Contractor employees	Direct employees	Contractor employees
Total number of Workers	212	237	299	230
Total man-hours worked - Annual	502 976	570 639	546 616	553 843
Total number of lost time occupational injuries	NONE	NONE	NONE	NONE
Total number of lost workdays due to injuries	NONE	NONE	NONE	NONE
Number of fatalities	NONE	NONE	NONE	NONE

Provide details for the non-fatal injuries during this reporting period

Company or contractor?	Total lost workday	Explanation of the injury 3	Reason of accident	Corrective measurements to prevent reoccurrence
Ready-mixed concrete supply staff at Çalıkobası HEPP construction site (Selçuk Hergünaç). (06.112016)	No	During regulator construction, while concrete was pouring, the concrete pump operator needs to control pump and get a better view of the pouring site, he was fell down from regulator wall.	Falling from height as a result of inattentiveness and not taking necessary measurements at the level differences.	Safety nets and warning signs are placed on the wall. Thus, personnel entry is prevented and prohibited to the area. (Corrective Preventive Action Form about accident is provided in Annex- 2.)

Table 10- Occupational Health and Safety Indicators

Describe in detail fatalities and vehicle accidents, including corrective measures (provide copies of OHS investigation and respective corrective plan).

The accident report and applied corrective actions are presented in Annex-2.

Significant Incidents

Date of incident	Type of incident	Brief description of incident	Fatalities? (Y/N)	No of fatalities	Preventive measures taken after the incident
None	None	None	None	None	None

Table 11- Significant Incidents

3 Lost work days are the number of work days (consecutive or not) during which the worker is unable to perform due to injury or illness after the injury or the worker's injury after the injury starts or is restricted to restricted occupational activity.

PS3, PR3 Resource Efficiency and Pollution Prevention

Provide the following environmental monitoring data for this reporting period. If you already have all the data requested available in another format, this can be submitted instead. Please provide a scaled facility map showing the precise locations of all monitoring points.

Ambient noise:

Ambient air quality:

Liquid effluent discharges:

There is no need for environmental noise and dust measurements for renewable power plants operating under national legislation. There is no wastewater treatment plant because of the small number of employees. All facilities have a leakproof septic tank. Since there is no discharge of liquid waste, there is no need to make measurements for discharging conditions in the plants. Wastewater analysis is done in construction sites. The Wastewater analysis performed for the exit water of the tunnel at the Çiçekli HEPP is given in Annex-17. The results of the analysis are below the limit values given in the national regulation.

Corrective Action was initiated in 2017 to make other environmental measurements missing in our plants (See AMR Section VI).

Resources and Energy Consumption:

The energy sources and consumption quantities used in the power plants in operation and construction sites are given in the Energy and Water Management table below.

If any of the EHS guidelines or local regulatory limits are exceeded please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.

The required corrections and improvements will be made according to the newly made measurement results.

Energy and Water Management (please add cloumns as needed):

UTILITY TYPE	ENERGY AND WATER CONSUMPTION AMOUNT IN 2016					
	Electricity Production	Electricity Consumption	Natural Gas	Diesel	Other Fuel (specify)	Water
UNITS / PROJECTS	MW/hr	MW/hr	m^3	lt	lt	m^3
OTLUCA HEPP	126 527	1 460	none	19 550	None	70
SIRMA HEPP	16 500	103	none	4 200	None	275
SEKİYAKA HEPP	15 813	131	none	2 722	None	60
DEMİRCİLER HEPP	19 789	23	none	3 520	None	319
KAVAKÇALI HEPP	24 265	106	none	1 100	None	65
GELİNKAYA HEPP	12 000	104	none	420	None	30
SARAÇBENDİ HEPP	68 352	42	none	500	None	290
ÇAMLICA III HEPP	51 743	195	None	13 540	None	170
DORUK HEPP	67 628	416	None	5 234	None	180
YAĞMUR HEPP	35 820	7	None	3 720	None	60
DOĞANÇAY I-II HEPP	116 737	573	None	8 447	None	65
SOLENTEGRE SPP (Began production in October)	1 305	6	None	295	None	12
YAYSUN SPP	700	96	None	262	None	48
DENİZLİ SPP	12 611	5	None	388	None	10
ÇALIKOBASI HEPP	Under Construction	16 614	None	784 476	40 tons (coal)	3 000
ÇİÇEKLİ HEPP	Under Construction	82	None	45 000	None	2 400
TOTAL	502 162	19 963	none	893 394	40 tons	7 054

Table 12- Annual Energy and Water Consumption Figures for 2016

Greenhouse Gases: Please fill in the table below for each site and institutional level

All electricity production plant of Akfen operate with renewable energy. Water and solar energy are used. For this reason, there is no direct CO_2 emission related to production. There is only indirect CO_2 production, because of the generator operation in the power plants, the use of cars in transportation and the use of energy for lighting and heating in the plant. The values of greenhouse gas emissions and greenhouse gas reductins calculated for each plant are given below.

OTLUCA HEPP	Annual Quantity	Units	Target Reduction (%)	Actions to beTaken
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	1 063 tCO_2	* Generator usage * Use of cars	5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO_2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	126 527,50			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	88 948			
Total CO_2 reduction TCO_2	87 886			

SIRMA HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	84 tCO_2	* Generator Usage * Use of passenger cars	5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	16 500			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	11 599,5			
Total CO_2 reduction TCO_2	11 515,5			

SEKİYAKA HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	99 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator, • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	15 813			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	11 116,5			
Total CO_2 reduction TCO_2	11 0217,5			

DEMİRCİLER HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	25 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	19 789,5			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	13 912			
Total CO_2 reduction TCO_2	13 887			

KAVAKÇALI HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	77 tCO2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars
Total production (annual total electricity generation MW / h)	24 265			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO_2 (according to Table 1 given in EBRD-GN4)	17 058			
Total CO_2 reduction TCO_2	16 981			

GELİNKAYA HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	74 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	12 000			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	8 436			
Total CO_2 reduction TCO_2	8 362			

SARAÇBENDİ HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	31 tCO_2	* Generator Usage * Use of passenger cars	5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	68 352			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	48 051			
Total CO_2 reduction TCO_2	48 020			

ÇAMLICA III HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	172 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	51 743			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	36 375			
Total CO2 reduction TCO_2	36 203			

DORUK HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	306 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	67 628			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	47 542,5			
Total CO_2 reduction TCO_2	47 236,5			

YAĞMUR HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	14,5 tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines.
Total production (annual total electricity generation MW / h)	35 820			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	25 181,5			
Total CO_2 reduction TCO_2	25 167			

DOĞANÇAY HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO_2 emission intensity	---			
Indirect CO_2 emission intensity	425 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	116 737			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	82 066			
Total CO_2 reduction TCO_2	81 641			

SOLENTEGRE SPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	5 tCO_2	*Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	1 305			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	917,4			
Total CO2 reduction TCO_2	912,4			

YAYSUN SPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	68 tCO_2	Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	700			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	492			
Total CO2 reduction TCO_2	424			

DENİZLİ SPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	4,5 tCO_2	* Use of passenger cars	0,5 %	• Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	12 611			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	8 866			
Total CO2 reduction TCO_2	8 861,5			

ÇALIKOBASI HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	13 802 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction is ongoing.			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	Construction is ongoing.			
Total CO2 reduction TCO_2	---			

ÇİÇEKLİ HEPP	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	173 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW / h)	Construction is ongoing			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	Construction is ongoing			
Total CO2 reduction TCO_2	------			

AKFEN HEAD OFFICE	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---			
Indirect CO2 emission intensity	54 tCO_2	* Generator Usage * Use of passenger cars	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Total production (annual total electricity generation MW/h)	----			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	---			
Total CO2 reduction TCO_2	------			

(TOTAL)	Annual Amount	Units	Target Reduction (%)	Actions to Take
Direct CO2 emission intensity	---	* Power plants * Sites *Head office	0,5 %	• Regular maintenance of the generator. • Having periodic vehicle maintenance on a regular basis, • Train staff to prevent unnecessary operation of vehicle engines, • Prefer low CO2 emissions vehicles in rental cars.
Indirect CO2 emission intensity TCO_2	16 423			
Total production (annual total electricity generation MW/h)	569 791			
The amount of greenhouse gas reduction due to electricity generation from the renewable source, tCO2 (according to Table 1 given in EBRD-GN4)	400 563			
Total CO2 reduction TCO_2	398 116			

Table 13- Greenhouse gas emissions and greenhouse gas reduction values

Akfen has developed GS and VCS projects in the Voluntary Carbon Market for carbon reduction. The following projects have been completed, namely Sırma, Otluca, Çamlıca III and Saraçbendi HEPP projects. At the table below Sırma HEPP, Otluca HEPP, Çamlıca III HEPP and Saraçbendi HEPP carbon credit amounts covering the 2011-2012 and 2013 production are given. All of the certificates obtained as a result of the emission reduction of Sırma HEPP are sold. In 2016, 3 projects were started to validate Solentegre SPP - GS, Denizli SPP - VCS and Çiçekli HEPP – VCS. Validation studies were carried out for Kavakçalı HEPP, Demirciler HEPP, Gelinkaya HEPP, Yağmur HEPP and Sekiyaka HEPP projects. The table on the carbon asset development process of Akfen Renewable Energy projects is given in Annex 9.

VCS Carbon Credit Amounts:

Project	Certificate	Date	Credit Amount (tCO_2)
Çamlıca III HEPP	VCS	01/04/2011 - 31/12/2011	32.175,30
		01/01/2012 - 31/12/2012	39.410,60
		01/01/2013 - 31/07/2013	28.707,50
Saraçbendi HEPP	VCS	06/05/2011 - 31/12/2011	14.707,30
		01/01/2012 - 31/12/2012	31.197,90
		01/01/2013 - 31/07/2013	37.889,40
Otluca HEPP	VCS	07/04/2011 - 31/12/2011	61.734,30
		01/01/2012 - 31/12/2012	100.466,10
		01/01/2013 - 31/07/2013	79.501,20
Sırma HEPP	VCS	01/01/2011 - 31/12/2011	4.564,80
		01/01/2012 - 31/12/2012	12.804,20
		01/01/2013 - 31/06/2013	6.615,10
Total			**449, 773.00**

Table 14- VCS Carbon Credit Amounts

Waste and Hazardous Materials (please fill in the following tables, add the required rows / columns)

WASTE TYPE / PROJECTS	TOTAL WASTE AMOUNT YEAR 2016											
	Domestic Waste (Kg)	Plastics (kg)	Paper (kg)	Metal Scrap (kg)	Wood Scrap (kg)	Waste Oils / Lubricants (lt)	Medical Waste (kg)	Electronic Waste (kg)	Printed Toners (Hazardous Materials) (pieces)	Leaded Batteries and Accumulators (kg)	Fluorescent Lamp (kg)	Contamine Material (kg)
STORAGE, USE and / or TREATMENT METHOD	It is given to the municipality.	It is given to the municipality.	It is given to the municipality.	It is given to the municipality.		Licensed collectors are provided.	Licensed collectors are provided.	Licensed collectors are provided.	It is given to the dealer when the new	Licensed collectors are provided.	Licensed collectors are provided.	Licensed collectors are provided.
SIRMA HEPP	200	50	100	--	--	--	--	--	5	350	1	10
SEKİYAKA HEPP	600	50	200	200	--	400	--	--	--	--	1	60
DEMİRCİLER HEPP	2,500	150	10	500	--	250	--	--	--	--	2	10
KAVAKÇALI HEPP	1,000	50	60	50	--	200	--	--	--	1	3	40
GELİNKAYA HEPP	900	85	80	85	--	480	--	15	--	1	2	8
SARAÇBENDİ HEPP	5,000	100	50	100	--	300	--	--	--	--	2	8
ÇAMLICA III DAM AND	4,000	50	20	1,000	--	700	--	3	--	1	40	10
DORUK HEPP	1,000	20	10	--	--	1,500	--	--	--	1	2	12
YAĞMUR HEPP	3,500	10	5	--	--	600	--	5	--	--	1	9
DOĞANÇAY HEPP	30,000	200	5	10	--	900	--	3	10	1	5	10
SOLENTEGRE SPP	150	18	3	--	--		--	--	--	--		3
YAYSUN SPP	450	5	1	--	--	100	--	--	--	--	1	5
YEŞİLVADİ SPP	300	2	1	--	--	50	--	--	--	--		5
ÇALIKOBASI HEPP	12,000	100	200	--	--	Collected by the service	--	--	--	--	5	28
ÇİÇEKLİ HEPP	5,000	20	150	--	--	Collected by the service	--	--	--	--	3	34
TOTAL	66,600	910	895	1,945	0	5,480	0	26	15	355	68	252

Tabe 15- Amount of Total Waste in 2016

Hazardous chemicals used:

Dangerous Material (Name and Number UN / CAS)	Field	Class or Division	Annual Amount	Maximum Quantity Stored at Site
- MOBIL SCH CIBUS 220 CAS # : 579-82-0 Hydrolic Oil	Doğançay HEPP	Plant	400 kg	150 kg
- MOBIL SHC POLYREX 462 CAS # : 471- 34-1 Gres oil	Doğançay HEPP	Plant	400 kg	150 kg
- SHELL TELLUS OIL T- SHELL TELLUS OIL 46 68 Hydrolic Oil	Sırma HEPP	Plant	350 kg	150 kg
- SHELL OMEGA 68 Makine Gresi	Sekiyaka HEPP	Plant	400 kg	100 kg
- SHELL TELLUS OIL T 68 Hydrolic Oil	Sekiyaka HEPP	Plant	400 kg	100 kg
- SHELL TURBO S4 Turbine Oil	Sekiyaka HEPP	Plant	250 kg	100 kg
- SHELL TELLUS S2 V 22 Industrail Hydrolic Oil	Demirciler HEPP	Plant	250 kg	150 kg
- SHELL TELLUS S2 M 46 Industrail Hydrolic Oil	Demirciler HEPP	Plant	250 kg	150 kg
-SHELL DİALA Inhibitor Transformer Oil	Doruk HEPP	Plant	150 kg	50 kg
-SHELL OMEGA 68 Hydrolic Oil	Doruk HEPP	Plant	150 kg	50 kg
- SHELL TELLUS OIL 46 Hydrolic Oil	Otluca HEPP	Plant	400 kg	100 kg
- SHELL TELLUS OIL T 68 Hydrolic Oil	Otluca HEPP	Plant	150 kg	50 kg
- SHELL TELLUS S2 V 22 Hydrolic Oil	Kavakçalı HEPP	Plant	400 kg	100 kg
- SHELL TELLUS S2 M 46 High Performance Hydraulic Oil	Kavakçalı HEPP	Plant	300 kg	100kg
-SHELL DİALA Inhibitor Transformer Oil	Gelinkaya HEPP	Transformer	100 kg	50 kg
-SHELL OMEGA 68 Hydraulic Oil	Gelinkaya HEPP	Plant	250 kg	100 kg
- SHELL TELLUS OIL 46 Hydraulic Oil	Saraçbendi HEPP	Plant	250 kg	100 kg
- MOBIL SCH CIBUS 220 CAS # : 579-82-0 Hydraulic Oil	Çamlıca III HEPP	Plant	250 kg	150 kg
- MOBIL SHC POLYREX 462 CAS # : 471- 34-1 Gres oil	Çamlıca III HEPP	Plant	250 kg	150 kg
- SHELL TELLUS S2 V 22 Hydraulic Oil	Yağmur HEPP	Plant	150 kg	50 kg
- SHELL TELLUS S2 M 46 High Performance Hydraulic Oil	Yağmur HEPP	Plant	150 kg	50 kg

Table 16- List of Used Chemicals

PS4, PK4 - COMMUNITY HEALTH, SAFETY AND SECURITY

Using the table below list and briefly describe any new initiatives implemented in relation to community health and safety during the reporting period. Include risk assessments, new infrastructure and equipment; hazardous materials and safety management, transportation and exposure to disease.

Mitigating Measure	Expected or actual date of implementation	Future planned mitigation measures?
Mitigation measures taken in the operating plants: • Unauthorized access is blocked by turning the fences around the site. In addition, warning signs are placed in order to warn local people and 3rd party persons. 24 hour camera system is used for environmental security control. • Security personnel are available. • There is no need for a new infrastructure or new equipment to be introduced during this period. • Emergency Action plans have been prepared. Drills are conducted with the participation of local people. • There is a accident registration system • Effective communication with the local people is established. • Local people are informed about how to make their complaints. • A social action plan has been prepared by an expert sociologist. • Information meetings are held about the project for the local people by the public relations officer. • There are special areas reserved for storing hazardous waste in power plants and trainings and inspections are carried out on hazardous waste storage (legislative requirements and as good practice examples).	*These measures are available*	All HEPP projects were submitted the **Environmental Protection and Warning Systems Project Files,** prepared on the request of DSİ. With this system, early warning-alarm systems will be installed against possible flood events. These improvement activities are planned to be completed by November 2017. Traffic management Plan will be prepared and applied for all operations in 2017.
Mitigating measures taken for the project where construction activities continue: • Unauthorized access is blocked by surrounding the sites with wire mesh. In addition, warning signs are given to local people and 3rd party persons are warned. • Entrances and exits of construction sites are monitored and recorded for 24 hours by the guard. • Security personnel are available. • The most appropriate routes are selected in case of potential danger for surrounding settlements on the way to the premises, or to minimize the most, and the speed limit for habitable places, horn restraint has been introduced. • In dry seasons, water sprey is carried out in order to avoid dust storms in uncovered roads. • Employees are forbidden to move around in the residential area • Projects and informational meetings are organized for local people by the responsible persons in the office.	*These measures are available*	Environment and OHS trainings will be continued in 2017 and zero accident will be targeted. Traffic management Plan will be prepared and applied for all operations in 2017.

Mitigating Measure	Expected or actual date of implementation	Future planned mitigation measures?
• Local people are informed in advance in case of blasting, road, energy interruption, etc. • Local people are informed about how to make their complaints. • Social action plans are prepared by expert sociologist. Effective communication with local people is being established. • Emergency Action plans were prepared. • There is an accident registration system.		

Table 17- Community Health and Safety

During the reporting period any emergency drills have been conducted with community participation? Are the communities aware of the emergency response plans?

In this period, emergency trainings were given with social participation. An example of this is the training records of Demirciler HEPP and Sırma HEPP. At Demirciler HEPP, on 29.12.2016 with a participation of 18 people from Demirciler Neighborhood an Emergency Preparadness Training was given for 1 hour. Another group of 13 people in the same neighborhood on 09.012017 was also given Training on Information on Emergency Situations. Another example is the 1 hour Emergency Preparadness Training on the 13.01.2017 in the Amasya district near Sırma HEPP, given a group of 5 people from the local community. We believe that similar HES training and drills (especially with regard to flooding) should be carried out in all HEPPs with the participation of the local people. For this reason, an action will be started in 2017 to perform necessary corrective actions on emergency drills with public participation in all power plants (see AMR Section VI).

Please describe any changes in the Company's engagement with private/public security forces during the reporting period and any corresponding agreements.

In this period, our company decided to out source security services in Doruk HEPP, Demirciler HEPP, Solentegre SPP, Saraçbendi HEPP and Gelinkaya HEPP projects. For this purpose; Private Security Permit applications were made to the relevant Governorates and permissions were obtained. Our facilities are working with TEPE Security Company for private security services.

PS5, PK5 - LAND ACQUISITION AND INVOLUNTARY RESETTLEMENT

Provide the following information regarding land acquisition required for the project that has taken place during the reporting period. If none, write "N/A" and skip this section.

In 2016, expropriation activities took place only at the Solentegre SPP project. MT, YAYSUN, AMASYA, TOKAT SPP projects have been realized in the form of purchasing the project areas in agreement with the rights owners without expropriation.

During this reporting period, land acquisition studies were carried out for the number of parcels specified for the projects given in the tables below.

However, no resettlement was done for any project in 2016.

SOLENTEGRE SPP PROJECT	Number of Plots	Hectare	Land Acquisition% total area
Total area expropriated during the reporting period (PROJECT AREA + ETL)	*104*	*27*	*%55*
Total area of affected agricultural land	*81*	*6,50*	*%5*

NOTE: Land acquisition for the SPP project area has been completed. Registered cases are continuing in ETL land acquisition studies carried out with TEDAŞ / Fırat EDAŞ

MT SPP PROJECT	Number of Plots	Hectare	Land Acquisition % total Area
Total area purchased during the reporting period (PROJECT AREA)	*1*	*18*	*%100*
Total area of affected agricultural land	*1*	*18*	*%100*

NOTE: ETL does not have any land acquisition yet due to continuing project works.

YAYSUN 0,5 MW SPP (in operation) PROJECT	Number of Plots	Hectare	Expenditure Status% total area
Total area purchased during the reporting period (PROJECT AREA+ETL)	*1*	*1*	*%100*
Total area of affected agricultural land	*1*	*1*	*%100*

YAYSUN 10 MW SPP (pre-construction works are continuing) PROJECT	Number of Plots	Hectare	Expenditure Status% total area
Total area purchased during the reporting period (PROJECT AREA)	*2*	*20*	*%100*
Total area of affected agricultural land	*2*	*20*	*%100*

NOTE: Does not have any land acquisition due to continuing ETL project works. ETL project studies are continuing.

AMASYA SPP PROJECT	Number of Plots	Hectare	Expenditure Status% total area
Total area purchased during the reporting period (PROJECT AREA+ETL)	*4*	*28,5*	*%99*
Total area of affected agricultural land	*4*	*28,5*	*%99*

NOTE: Land acquisition for the SPP project area has been completed. ETL project studies are continuing and the expropriation studies will be carried out by TEDAS / Yeşilırmak EDAŞ

TOKAT SPP PROJECT	Number of Plots	Hectare	Expenditure Status% total area
Total area purchased during reporting period	*15*	*14,17*	*%68*
Total area of affected agricultural land	*13*	*10,31*	*%93*

NOTE: ETL project studies are ongoing.

Table 18- Acquisition of Land

DISPLACEMENT INDICATORS

	Total land (Ha)	Total Family / Business	Total individual	Re-Placed / Restored To-Date	Pending	Comments
1. Physically displaced	None	None	None	None	None	None
Official title holders	None	None	None	None	None	None
Unofficial Slum residents	None	None	None	None	None	None
Tenants	None	None	None	None	None	None
TOTAL	None	none	None	None	None	None
2. Economically displaced	Solentegre SPP: 0,04	176	528	None	None	Economical displacements were done at small areas where pole foundations of ETL were located
3. Physically and Economically (Both) displaced	None	None	None	None	None	None
TOTAL	0,04	176	528	None	None	None

Table 19- Economical Displacement

NOTE: Please provide the following information regarding families/individuals/business directly affected by land acquisition

Briefly describe any measures to avoid impacts on livelihoods and residences during the reporting period.

The project and the ETL routes selected during the Annual Report period were not situated on any residential areas. In the Solentegre SPP's energy transmissom line project, expropriation compensation is paid to the affected persons only in areas directly pole location and under the transmission line. For that reason, there have not been any directly affected families / individuals / businesses at a considerable level due to land acquisition.

Briefly describe the type of solutions provided for new physically displacement and economic displacement not included in the Resettlement Plan.

* Alternative field studies are being carried out in SPP project, in order not to locate project structures to settlement areas and agricultural land.

* Projects are being developed on the areas that both the project can be done technically and stakeholders will not be affected negatively from the project. However, if the project coincides with the personal interest; meetings are held between the administration and the company on the expropriation studies for these immovables. Notices regarding the project are made to the landowners who are to be expropriated, and the expert's questionnaire prepared by the court in the legal process is preparing the immovable appraisal reports. As a result, the necessary work is being carried out for stakeholders not to suffer.

* All of the SPP project sites are planned to be constructed with non-arable land (Omicron Erciş, Omicron Engil, PSI Engil, MESE and Solentegre SPP Projects). For this pasture area, a change of skill is made and it is registered as a treasure land in the tapestry. The rent is paid to the Treasury every year for these lands, and if it is a pasture grassland, it is paid to the Provincial Directorate of Agriculture.

* In the field selection for the projects to be carried out within the scope of Yaysun, Denizli, MT SPP, Amasya SPP and Tokat SPP projects, the lands where the arid farming and construction of the SPP project were carried out by the administration were selected and at the same time private acquisitions were made without expropriation for these areas. Acquisition of ownership of the project sites has been registered in the name of the relevant companies of Akfen.

*Detailed plans are made on the topographic and cadastral maps in order to ensure that the ETL(Energy Transmisson Line) route does not coincide with the agricultural area and the residential area between the power plant and the transformer center (TC) to be connected within the scope of the route works of ETL projects approved by TEDAŞ / TEİAŞ. Attention should be paid to the prevention of agricultural work by planning the masts.

* As an example, the Solentegre SPP project was selected as the shortest and least cost route between the power plant and the power plant route. Most of ETL would be through agricultural land. Our company prefered to select the ETL route which would affect the least agricultural land, though cost increase. As a result of this study and project studies; The ETL route has been passed through the least possible agricultural land.

* Acquisition of immovables in private property belonging to the SPP Fields. In the energy transmission lines, the areas that directly match the places are expropriated in the name of TEDAŞ and the right of easement for TEDAS is established on the part between the overhead lines between the two masts.

* The right to use the right of easement is in the name of the title deed owner, and farming is continued in these areas. The Solentegre SPP energy transmission line (ETL), for example, is the expropriated area as a pole location; The total area of the mast in the private property which corresponds to ETL in the length of 8500 meters is 390 m^2. There are a total of 81 immovables in the ETL nationalization. 0.06% of private immovables are affected as pole site.

Briefly describe any special measures for particularly vulnerable cases (displacement elderly, female-headed household, etc)

No resettlement was made during this reporting period.

Please attach detailed information/report of the resettlement process as per the Resettlement Action Plan monitoring arrangement.

No resettlement was made during this reporting period.

Has Client Company made any new investment or acquisitions that have resettlement issues as defined by PS5? ☐ Yes ☒ No

If the answer is yes please provide copy/ updated information of the Resettlement Action Plan, Framework or other resettlement management plans or reports.
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Using the Table provided below list any grievance or dispute (include court action) regarding land acquisition or resettlement received during the reporting period, describe how it was addressed and its current status.

The disputes that have been brought to the court due to land acquisition in this period and the complaints reported in writing are summarized below.

Complaint / Date of dispute	Complainant	Problem	Solved (Y/N)	Action taken	Closing date
02.05.2016	Ahmet Hamdi ŞENOL	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instancei 2016/277)	Continues
20.05.2016	Suphi DARDAĞAN	Damage to a part of the citizen's land in the flood incident during the construction period at Doğançay HEPP	Y	The damage has been compensated by understanding the owner of the field.	11/08/2016
16.06.2016	Zeynep Emine ÖZKAYNAK	In Doğançay HEPP has been inundated with water during the periods when the lake water has risen and the land has become unusable	N	In order to expropriate the land, an agreement was reached with the complainant, and negotiations continue. However, a positive result has not yet been obtained.	Have not closed yet
11.07.2016	Ayşe KÖSEOĞLU and others	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The complainant filed a lawsuit. (Geyve civil court of first instance 2016/448)	Continues

Complaint / Date of dispute	Complainant	Problem	Solved (Y/N)	Action taken	Closing date
26.07.2016	Hatice ARSLAN	In Doğançay HEPP has been inundated with water during the periods when the lake water has risen and the land has become unusable	N	In order to expropriate the land, an agreement was reached with the complainant, and negotiations continue. However, a positive result has not yet been obtained.	Have not closed yet
01.12.2016	Salih ÇAKMAK	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/725)	Continues
01.12.2016	Dursun Ali ÇAKMAK	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The case was opened (Geyve civil court of first instance 2016/724)	Continuies
01.12.2016	Lütfü GÜNEY	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The case was opened. (Geyve Asliye Hukuk Mahkemesi 2016/726)	Continuing
01.12.2016	Şaban ÇAKMAK	Litigation filed for the compensation of damages incurred in the property owned by the plaintiff	N	The case was opened.(Geyve Asliye Hukuk Mahkemesi 2016/727)	Continuing
24.01.2017	İlhan YILDIRIM	In Doğançay HEPP as a result of the overflow of water in the lake area and the execution of agricultural activities ceased	N	The owner of the field will be determined to be damaged and will go to the agreement.	Have not closed yet

Table 20- Disputes Acquiring Land

PS6, PK6 – Biodiversity Conservation and Sustainable Management of Living Natural Resources

Using the table below describe any **new activities or expansions** that have increased the project footprint into new **areas of habitat** during the reporting period.

During this reporting period, we did not have an expansion, capacity increase or new activity related to our existing projects.

New activity/expansion	Total area covered	Habitat type
None	--	--

Table 21– Biodiversity

Using the table below provide details of deforestation conducted during the reporting period.

Field	Total deforestation area	Type of lost species	Total area reforested	Type of planted species	Reforestation for commercial use Y/N
ÇALIKOBASI HEPP	584 794 m^2	Eastern Laden and East Beech	*	Tubular Acacia Nipple to be used.	No.
ÇİÇEKLİ HEPP	733 903,74 m^2	Eastern Laden and East Beech	4500 m2	Acacia	No.

* The total area for this period is not definite, as the project studies are ongoing. After the end of the construction works, the site areas will be rehabilitated and delivered to the administration and the total amount of forestation will be determined.

Table 22- Deforestation

Using the table below provide details of fish and other aquatic species harvesting during the reporting period.

During this reporting period fish and other aquatic species were not caught. On the contrary, fish transportation work was carried out at Çamlıca III HEPP project, ensuring sustainability of the eco-system. Fishing and hunting in the regulator ponds in our plants is prohibited by the Guidelines for Environmental Protection, Security and Warning Systems for Energy Use Facilities published by DSİ.

Site	Volume harvested	Type of species
None	None	None

Table 23- Hunting of aquatic species

PS8 – CULTURAL HERITAGE

Using the table below list new cultural property discovered in the course of project activities during the reporting period.

Location	Date of discovery	Type of discovery	Additional protection measures taken
None			
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No evidence of any cultural heritage in our projects has been realized

Table 24- Cultural Assets

AMR SECTION IV

NEW DEVELOPMENT

Social and Environmental Screening/ Elimination

Please list projects which have come under active consideration for development by since the last report. For the first report please list the opening project pipeline.

Since this is Akfen's first annual report, the current projects are listed below.

Project and Location	Short Description
OTLUCA HEPP, MERSİN	**Installed Power** : 47,60 MWm, 46,02 MWe **Prodction Capacity** : 223,50 GWh-year **Power Plant Location** : Mersin province, Anamur district, Anamur stream and Boğuntu stream **Operating Company** : BEYOBASI Energy Production Ind. And Trade Inc. Co. **Regulator Type** : Reversible, full body (3 regulators available) **Started to Operate** : 2011 **Environmental and Social Impact Assessment** : OTLUCA HEPP, Decision for No EIA Required (Decision date: 26.12.2006 (Decision No: 7893) within the scope of Environmental Impact Assessment Regulation Abrogate dated 16.12.2003, Decision No: 25318. Project has a PIF and Ecosystem Evaluation Report. There is a fish passages in the project. **Carbon Certificate**: : In order to make OTLUCA HEPP a Voluntary Emission Reduction project, necessary applications were made and the project was registered to VCS on 24.08.2011. Verification report completed.
SIRMA HEPP, Bozdoğan-AYDIN	**Installed Power** : 6,66 MWm, 5,88 MWe **Production Capacity** : 23,6 GWh-year **Power Plant Location** : Aydın province, Bozdoğan district, Sırma village; over Akçay stream **Operating Company** : BEYOBASI Energy Inc. Co. **Regulator Type** : Concrete with filler body **Started to Operate** : 2009 **Environmental and Social Impact Assessment** : SIRMA HEPP has received an out-of-scope decision (No: 8866 dated 30.10.2016) under the Environmental Impact Assessment Regulation No. 25318 Abrogate dated 16.12.2003. **Carbon Certificate**: : SIRMA HEPP has been applied in order to be a Voluntary Emission Reduction project and the plant has been registered to the VCS system on 02.05.2011. Verification report is completed.

Project and Location	Short Description
SEKİYAKA HEPP, Seydikemer-MUĞLA	**Installed Power** : 3,53 MWm, 3,39MWe **Production Capacity** : 17,054 GWh-year **Power Plant Location** : Muğla Province, Fethiye District, Kemer Province, on the premises of Upper Akçay **Operating Company** : Beyobası Production Ind. And Trade Inc. Co. **Regulator Type** : A new regulator not built but General Directorate of State Hydraulic Works's existing regulator at 642.5 m is used **Started to Operte** : 2014 **Environmental and Social Impact Assessment** : SEKİYAKA HEPP, No EIA is required within the scope of Environmental Impact Assessment Regulation No. 25318 Abrogate dated 16.12.2003 (Decision date: 28.10.2009 (Decision No: 556) The project has Project Information File (PIF). **Carbon Certificate**: : Sekiyaka HEPP has been registered on GOLD STANDARD Voluntary Emission Reduction project on 05.03.2014. The project is in the verification phase
DEMİRCİLER HEPP, Kale-DENİZLİ	**Installed Power** : 8,70 MWm, 8,44 MWe **Production Capacity** : 34,53 GWh-year **Power Plant Location** : Denizli Province, Kale District, Demirciler Village, Akçay Creek **Operating Company** : PAK Energy Production Ind. And Trade Inc. Co. **Regulator Type** : Free Full Body **Started to Operate** : 2012 **Environmental and Social Impact Assessment** : Demirciler HEPP, has been exempted from the provisions of the Regulation in 2008 within the scope of Environmental Impact Assessment Regulation No. 25318 abrogate dated 16.12.2003 and it has been evaluated outside the scope of the EIA Regulation. Ecosystem Assessment Report for the project has been prepared. . There is also a fish passage at the plant. **Carbon Certificate**: : In order to be Demirciler HEPP Voluntary Emission Reduction project, necessary applications have been made and a GS registration has been made on 10.09.2015. The project is in the verification phase.
KAVAKÇALI HEPP, Köyceğiz-MUĞLA	**Installed Power** : 11,446 MWm, 11,14 MWe **Production Capacity** : 44,289 GWh-year **Power Plant Location** : Muğla Province, Köyceğiz District, Derindere **Operating Company** : PAK Energy Production Ind. And Trade Inc. Co **Regulator Type** : Tyrolean type. **Started to Operate** : 2013 **Environmental and Social Impact Assessment** : KAVAKÇALI HEPP, has obtained EIA Positive Certificate (Decision date: 01.07.2010 (Decision No: 1924) within the scope of Environmental Impact Assessment Regulation abrogate dated 16.12.2003 and numbered 25318. There are EIA Report and Ecosystem Evaluation Report of the project There is also a fish passage at the plant. **Carbon Certificate**: : In order to make Kavakçalı HEPP a GOLD STANDARD Voluntary Emission Reduction project, necessary applications were made and the system was registered on 25.03.2015. The project is in the verification phase.

Project and Location	Short Description
GELİNKAYA HEPP, Ilıca-ERZURUM	**Installed Power** : 7.26 MWm, 6,88MWe **Production Capacity** : 30.90 GWh-year **Power Plant Location** : Erzurum province, Ilıca District, on the Serçeme Brook **Operating Company** : PAK Energy Production Ind. And Trade Inc. Co. **Regulator Type** : Available before operation, the Spreader Regulator is a free flow embankment body. **Started to Operate** : 2013 **Environmental and Social Impact Assessment** : GELINKAYA HEPP, Decision No EIA is required within the scope of Environmental Impact Assessment Regulation No. 25318 abrogate dated 16.12.2003 (Decision date: 18.02.2009 (Decision No: 115) The project has also PIF. **Carbon Certificate**: : In order to be a GOLD STANDARD Voluntary Emission Reduction project of Gelinkaya HEPP, necessary applications have been made and registered to the system on 05.12.2013. The project is in the verification phase.
SARAÇBENDİ HEPP, Şarkışla/Gemerek-SİVAS	**Installed Power** : 26,27 MWm, 25,49 MWe **Production Capacity** : 101,49 GWh-year **Power Plant Location** : Sivas province, Şarkışla-Gemerek district, Kızılırmak river **Operating Company** : Çamlıca Electric Production Inc. Co. **Regulator Type** : Capless embankment body **Started to Operate** : 2011 **Environmental and Social Impact Assessment** : Decision No EIA is required within the scope of Environmental Impact Assessment Regulation No. 25318 abrogate dated 16.12.2003. (Decision date: 10.05.2008 (Decision No: 231) There is PIF of the project and Ecosystem Assessment Report and there is also a fish passage at the plant. **Carbon Certificate**: : Saraçbendi HEPP has been made in order to be a GOLD STANDARD Voluntary Emission Reduction project and the registration to VCS was held on 24.08.2011. The verification report of the project has been completed.
ÇAMLICA III HEPP, Yahyalı-KAYSERİ	**Installed Power** : 28,48MWm, 27,61 MWe **Production Capacity** : 104,488 GWh-year **Power Plant Location** : Yahyalı District of Kayseri Province, Çavdaruşağı Village, Zamantı River **Operating Company** : ÇAMLICA ELECTRIC PRODUCTION. Inc. **Regulator Type** : Radial Cover, Hard Fill Filler **Started to Operate** : 2011 **Environmental and Social Impact Assessment** : Doğançay HEPP, Decision No EIA Required (Decision 30.10.2007 (Decision No: 3015) and 16.06.2010 (Decision No: 050) within the context of the Environmental Impact Assessment Regulation abrogate dated 16.12.2003 and numbered 25318 The project has PIF and the Ecosystem Assessment Report has been prepared. Fish transprotation was made twice a year for the sustainability of the ecosystem. **Carbon Certificate**: : In order to have Çamlıca III HEPP Voluntary Emission Reduction project, necessary applications were made and the project was registered to VCS on 15.08.2011. The verification report of the project has been completd.

Project and Location	Short Description
DORUK HEPP, Dereli-GİRESUN	**Installd Power** : 28,89 MWm, 28,28 MWe **Production Capacity** : 80.68 GWh-year **Power Plant Location** : Giresun province, Dereli District, Aksu, Kayabasi, over Deli rivers **Operating Company** : Yeni Doruk Energy Electric Production Inc. Co. **Regulator Type** : Coverless embankment body (3 regulators) **Started to Operate** : 2014 **Environmental and Social Impact Assessment** : Doruk HEPP, Undersecretariat of Environmental Impact Assessment (EIA) No Decision abrogate dated 16.12.2003 and No. 25318 (Decree No: 632, Rep.of Tur. Environment and Forestry). The project has PIF and the Ecosystem Assessment Report has been prepared. **Carbon Certificate**: : In order to be a Voluntary Emission Reduction project of Doruk HEPP, necessary applications were made and the VCS system was registered on 24.08.2011. The project is in the validation phase.
YAĞMUR HEPP, Köprübaşı-TRABZON	**Installed Power** : 9,19 MWm, 8,94 MWe **Production Capacity** : 32,51 GWh-year **Power Plant Location** : Trabzon Province, Köprübaşı District, Manahoz Stream **Operating Company** : BT BORDO Electric Production Distribution Marketing Ind and Trade Inc. Co. **Regulator Type** : Tyrol type concrete body **Started to Operate** : 2012 **Environmental and Social Impact Assessment** : Yağmur HEPP, Abrogated (Environmental Impact Assessment Regulation No 26939, 17.07.2008) Decision No EIA Required (Decision date: 16.01.2009 (Decision No: 58)). The project has PIF and the Ecosystem Assessment Report has been prepared. **Carbon Certificate**: : Yağmur HEPP has been applied for the GOLD STANDARD Voluntary Emission Reduction project and has been registered on 10.09.2014. The project is in the validation phase.
DOĞANÇAY HEPP, Geyve-SAKARYA	**Installed Power** : HES I-5,31 MWm, 5,04 MWe, HES II-5,22 MWm, 5,04 MWe **Production Capacity** : 171,682 GWh-year **Power Plant Location** Sakarya Province, Geyve District, Kızılkaya Village, Sakarya River **Operating Company** : ELEN Energy Production Ind. and Trade Inc. Co. **Regulator Type** : Covered Solid Body (Dereköy Regulator and Kizilkaya Regulator) **Started to Operate** : 2014 **vironmental and Social Impact Assessment** : Doğançay HEPP, Abrogated has not received an EIA Necessary Decision (Decision date: 24.06.2008, Decision 2008/42) as per the Environmental Impact Assessment Regulation dated 16.12.2003 and numbered 25318. The project has a PIF and there is also a fish passage at the operation. **Carbon Certificate**: : In order to be a Voluntary Emission Reduction project of Doğançay HEPP, necessary applications have been made and the project has been registered to VCS on 16.08.2011.

Project and Location	Short Description
SOLENTEGRE SPP, ELAZIĞ	**Installed Power** : 7,98 MWe **Production Capacity** : 14.875.000 kWh-year **Plant Location** : Elazığ Province, Center District, Şahinkaya Village, Holoşnut location **Operating Company** : SOLENTERE ENERGY INVESTMENTS AND TRADE. Inc. **Started to Operate** : 2016 **Environmental and Social Impact Assessment** : SOLENTEGRE SPP has been published in the Official Gazette dated 25.11.2014 and numbered 29186 and it has been decided no EIA is necessary in the context of Environmental Impact Assessment Regulation Assessment Regulation. The project has PIF. Construction was completed in 2016 and taken into operation. **Carbon Certificate**: : SOLENTEGRE SPP has made necessary applications in order to be a GOLD STANDARD Voluntary Emission Reduction project. The project is in the validation phase.
YAYSUN SPP, Ereğli-KONYA	**Installed Power** : 0,5 MW **Production Capacity** : 950 kWh-year **Plant Location** : Konya Province, Ereğli District, Zengen Mah. **Operating Company** : YAYSUN Electric Production Ind. and Trade Inc. **Started to Operate** : **2015** **Environmental and Social Impact Assessment** : **:** YAYSUN SPP Project In accordance with EIA Provisional Article 3 of the Regulation its classified out of scope and it is not necessary to prepare an EIA Report or Project Information File for the existing facility.
DENİZLİ SPP, Acıpayam-DENİZLİ	**Installed Power** : 7,40 MWm / 6,80 MWe **Production Capacity** : 12,363 MWh-year **PowePlant Location** : Denizli Province, Acıpayam District, Yeniköy Village, Kavakkırı location **Operating Company** : YEŞİLVADİ Electric Production Limited Company **Started to Operate** : 2015 **License No** : Unlicensed **Environmentalnd Social Impact Assessment** : Denizli SPP Projects, Environmental Impact Assessment Not Required Decision has been taken for part of the scope of EIA Regulation published in the Official Gazette Abrogated dated 03.10.2013 and numbered 28784. In this part of the project there is PIF. The other part has received an out-of-scope writing. 7 projects under 1 MW were put together without a license. **Carbon Certificate**: : Denizli SPP has been applied for Voluntary Emission Reduction project, and the process of registering the project with VCS is continuing.

Project and Location	Short Description
MENZELET DAM AND HEPP Onikişubat-KAHRAMANMARAŞ	**Installed Power** : 124 MWm **roduction Capacity** : 515 GWh-year **Power Plant Location** : Maraş Province, Onikişubat District, Ceyhan River **Operating Company** : Akörenli Enerji Production Inc. **Dam Type** : Clay-Core Alluvial Rock Fill **Started to Operate** : 1992 **Environmental and Social Impact Assessment** : From Planning and Operation of Menzelet Dam and HEPP Project In accordance with Environmental Impact Assessment (EIA) Regulation article 3, which was in force by the date of project execution weas excluded from the scope of the provisions and there is no requirement for EIA Report or Project Information File.
KILAVUZLU DAM AND HEPP Onikişubat-KAHRAMANMARAŞ	**Installed Power** : 54 MWm **Production Capacity** : 248 GWh-year **Power Plant Location** : Maraş Province, Onikişubat District, Ceyhan River **Operating Company** : Akörenli Enerji Production Inc. **Dam Type** : Clay Core Soil Fill **Started to Operate** : 2012 **Environmental and Social Impact Assessment** : Planning and Operation of Kılavuzlu Dam and HEPP Projecti Environmental Impact Assessment (EIA) Regulation, whichwas in force by the date of was excluded from the scope of the provisions and there is no requirement to prepare EIA Report or a Project Information File.
ÇALIKOBASI HEPP, Bulancak-GİRESUN	**Installed Power** : 18,11 MWm, 17,38MWe **Production Capacity** : 40,40 GWh-year **Plant Loction** : Giresun province, Bulancak District, Pazarsuyu basin, Çatalçam and Çalıkobası Rivers **Operating Company** : H.H.K Energy Electric Production Inc. Co. **Regulator Type** : Çalıkobası I regulator (Full Body, Against Catch), Çalıkobasi II and III regulator (Tirol), **Started to Operate** : Construction in progress **Environmental and Social Impact Assessment** : ÇALIKOBASI HEPP has received EIA Positive Certificate (Decision date: 18.05.2012 (Decision No: 2527) within the context of the Environmental Impact Assessment Regulation abrogated dated 16.12.2003 and numbered 25318. An integrated EIA Report and Ecosystem Assessment Report have been prepared for the project. Necessary protection measures for endemic species identified. It is currently under construction and will have a fish pass at the plant.

Project and Location	Short Description
ÇİÇEKLİ HEPP, Murgul- ARTVİN	**Installed Power** : 6,99 MWm, 6,73 MWe **Production Capacity** : 21,908 GWh-year **Plant Location** : Artvin Province, Murgul District, Muruvan Stream and its branches **Operating Company** : KURTAL ELECTRICITY PRODUCTION. Inc. **Regulator Type** : Tyrolean type concrete body (There are two regulators) **Started to Operate** : Construction in progress **Environmental and Social Impact Assessment** : ÇİÇEKLİ HEPP has received EIA Positive Certificate (Decision date: 06.04.2012 (Decision No: 2474) within the scope of Environmental Impact Assessment Regulation abrogate dated 16.12.2003 and numbered 25318. EIA Report and Ecosystem Assessment Report for the project have been prepared. Project is in construction phase. Fish passages will be made at the operation. **Carbon Certification** : The necessary validation studies are continuing in order to be the VCS Voluntary Emission Reduction project of Çiçekli HEPP.
The Projects Listed below have Operation Licenses and Pre-Construction Studies are ongoing.	
OMİCRON ERCİŞ SPP, Erciş-VAN	**Installed Power** : 9,95 MW licensed **Production Capacity** : 19.900.000 kWh-year **Power Plant Location** : Van province, Erciş District, Bayazıt site **Operating Company** : Omicron Solar Energy Electricity Generation and Trade. Inc. **Started to Operate** : 2019 **Associate's License No** ÖN / 6424-18 / 03544 **Environmental and Social Impact Assessment** : Omicron Erciş SPP has been published in the Official Gazette dated 25.11.2014 and numbered 29186, and it has not been required by the Environmental Impact Assessment Regulation
OMİCRON ENGİL SPP, Edremit-VAN	**Installed Power** : 9,95 MW licensed **Production Capacity** : 19.900.000 kWh-year **Power Plant Location** : Van province, Edremit District, Kıyıcak site **Operating Company** : Omicron Solar Energy Electricity Generation and Trade. Inc **Started to Operate** : 2018 **Pre-License No** : ÖN / 6433-14. / 03545 **Environmental and Social Impact Assessment** : Omicron Engil 208 SPP has been published in the Official Gazette dated 25.11.2014 and numbered 29186 and EIA has not been required by the Environmental Impact Assessment Regulation Regulation.
PSI ENGİL SPP, Edremit-VAN	**Installed Power** : 9,95 MW licensed **Poduction Capacity** : 19,900,000 kWh-year **Power Plant Location** : Van province, Edremit District, Kıyıcak site **Operating Company** : PSİ Solar Energy Generation and Trading Co. Inc. **Started to Operate** : 2018 **Pre-License No** : ÖN / 6433-15 / 0356

Project and Location	Short Description
FIRINCI SPP, Fırıncı-Malatya	**Installed Power** : 9,95 MW **Production Capacity** : 18.403.000 kWh-year **Power Plant Location** : Malatya-Fırıncı **Operating Company** : IOATA Solar Energy Electric Production Inc. Co **Started to Operate** : 2019 **Environmental and Socia Impact Assessment** : EIA is out of scope according to EIA Regulation which was published in Official Gazette dated 25.11.2014 and numbered 29186.
MT SPP, Ereğli-KONYA	**Installed Power** : 9,98 MW **ProductionCpacity** : 19.463.000 kWh-year **Pwer Plant Location** : Konya,Ereğli,Zengen **Operating Company** : MT Natural Energy Production Inc. Co. **Started to Operate** : 2018 **Environmental and Sial Impact Assessment** : EIA is out of scope according to EIA egulation which was published in Oficial Gazette dated 25.11.2014 and numbered 29186.
MESE SPP, Sarayönü-KONYA	**Installed Power** : 9,90 MW **Production Capacity** : 19,80 GWh-year **Power Plant Location** : Konya Province, Sarayönü District, Karatepe Village **Operating Company** : ME-SE ENERGY ELECTRC PRODUCTION IND. and Trade Inc. **Started to Operate** : Pre-operation studies are continuing **Pre-License No** : ÖN / 6583-13 / 3597 **Environmental and Social Impact Assessment** : ME-SE SPP was not required to take Environmental Impact Assessment Decision in 2015 within the scope of EIA Regulation which was published in Official Gazette dated 25.11.2014 and numbered 29186.
YAYSUN SPP, Ereğli-KONYA	**Installed Power** : 9,98 MW **Production Capacity** : 19.463.000 kWh-year **Power Plant Location** : Konya, Ereğli, Zengen **Started to Operate** : 2018 **Environmental and Social Impact Assessment** : EIA is out of scope according to EIA Regulation which was published in Offical Gazette dated 25.11.2014 and nubered 29186.
The Projects listed below are not licensed. Pre-construction studies are continuing.	
AMASYA SPP Projects, KutuKöy-AMASYA	**Installed Power** : 10,44 MW **Production Capacity** : 16.069.000 kWh-year **Power Plant Location** : Amasya,Kutuköy Village **Operator Company** Ayna Energy Inc., Bahce Energy Inc., Çekirdek Energy Inc., Dalga Energy Inc., Devir Energy Inc., Düzey Energy Inc., Hazine Energy Inc., Jupiter Energy Inc., Neptune Energy Inc., Pluto Energy Inc., Uranus Energy Inc., Zincir Energy Inc. **Started to Operate** : 2017 **Environmental and Social Impact Assessment** : Amasya SPP Project is outside the scope of EIA Regulation.

Project and Location	Short Description
TOKAT SPP, Turhal-TOKAT	**Installed Power** : 4,95 MW **Production Capacity** : 8.190.000 kWh-year **Power Plant Location** : Tokat, Turhal, Kuşoturağı Village **Operator Company** Kızılay Energy Inc., Beysukent Energy Inc., Cihangir Energy Inc., Bahceli Energy Inc., Batıkent Energy Inc. **Started to Operate** : 2017 **Environmental and Social Impact Assessment** : Tokat SPP is outside the scope of EIA Regulation.
ÇATAK HEPP, Fındıklı-RİZE	**Installed Power** : 10,4 MWm **Production Capacity** : 42,53 GWh-year **Power Plant Location** : Rize Province Fındıklı District, Yeşildere Basin, Piskale Creek **Operator Company** Zeki Energy Electric Production Distribution Marketing Ind. And Trade Inc. **Regulator Type** Tyrolean type and with anodized concrete **Started to Operate** : Pre-construction works are continuing **Environmental and Social Impact Assessment** : In 2008, a Project Description File was prepared in accordance with the EIA Regulation for the Çatak Regulator and Hydroelectric Power Plant, Ready Mixed Concrete Production Plant and Crushing-Washing-Screening Plant project under the "Environmental Impact Assessment (EIA) Regulation". In accordance with Article 17 of the Decree of the Ministry of Environment and Forestry, Abrogated Environment and Forestry Directorate issued "Decision on EIA" on 05.02.2009. Thus, the EIA process was started for the project. However, while the EIA process is still in progress, the project carried to court with No. 2863, dated 18.02.2010 and No. 2536 by the Regional Board by the Protection of Cultural and Natural Assets of Trabzon, and the EIA process has been suspended. The case against the subject continues.

Table 25- Current Projects

PROJECTS COMPLETED OR IN PROGRESS DURING THE REPORTING PERIOD

Please complete the table to list the projects completed during the reporting period, which are operated by Akfen or which are under construction, and how environmental and social risk was managed in these projects. If risk management cannot be adequately covered in the sections which follow, please add any relevant information if required.

Project	Situation (Ex: during construction, completed)	Significant risk management measures have been taken
SOLENTEGRE SPP	In this period the construction was completed and taken into operation.	Hazard identification and risk analysis were conducted for the Solentegre Solar Energy Plant. National waste management is applied in compliance with the legislation. There are trainings in the subjects of environment awareness, social relations and OHS. The implementation of ISO 9001 Quality, ISO 14001 Environment, OHSAS 18001 OHS and ISO 50001 Energy Management Systems will be continued in 2017 for environment, social and OHS requirements and risk management will be systematized. A Social Action Plan has been prepared by the expert sociologist for the project.
ÇALIKOBASI HEPP	It's under construction.	**Environmental risk management:** Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the surrounding settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good applications in the sector.
ÇİÇEKLİ HEPP	It's under construction.	**Environmental risk management:** Environmental risks that may occur during the construction phase specified in the EIA Report of the Project and measures to be taken are monitored continuously. In this context, dust, noise and vibration measurements are made. National waste management implementation is in compliance with the legislation. The area of the construction site was covered and warning signs were placed in sufficient quantities. Speed limitations, horn bans have been set so as not to disturb the surrounding settlements during material transport. In dry seasons, water spraying of road is done to prevent dust formation. Blasting times are determined in advance and daytime hours are preferred. The Social Action Plan was prepared by the expert sociologist for the project. Environment and OHS site audit has been carried out by third party and its activities have been checked for compliance with national legislation, IFC and EBRD standards and good applications in the sector.

Table 26- Projects Completed or Continued During the Reporting Period

SELECTION / ELECTION STUDIES BEFORE PROJECT DEVELOPMENT

Please fill in the table below to show how the Company has been selected for such projects to identify potential adverse environmental and / or social impacts that may arise from these potential projects within IFC's Performance Standards. If any issues are found, please briefly explain how the Company is managing these issues in accordance with the IFC Performance Standards and local laws. Please also indicate whether the official Environmental and Social Impact Assessment has been prepared for each project.

In this period, assessments made according to IFC and EBRD performance standards for Menzelet and Kılavuzlu Dams and HEPPs are given in Annex-24.

AMR SECTION V

ACTION PLAN STATUS AND UPDATE

Please update us in the current status of the action plan, define the dates when pending actions will be implemented. Please refer to the initial ESAP for the indicators and deliverables.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
2	1.1	Develop and implement an environmental, health and safety management system at the corporate and site level. Ensure appropriate reporting lines to be implemented through Akfen Holding . Attain certification to ISO 14001, OHSAS 18001and ISO 50001.	- 2018	12/31/2018	Developing an implementation plan in 2016 Corporate certification by 2018		ISO 9001 Quality Management System ISO 14001 Environmental Management System, OHSAS 18001 Occupational Health and Safety Management System and ISO 50001 Energy Management System works are started in July 2016. Quality Management System certificates were obtained on the beginning of 2017. Quality systems (Yağmur HEPP and Denizli SPP) started to be applied in both head office and pilot plants. It is planned to extend applications in other plants in 2017. The certificates are given in Annex-21.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
4	1.2	As a part of EHS management system, nominate and maintain an EHS manager at corporate level. The person should be a main point of contact for every stakeholder, NGOs, local communities and grievances from third parties, as well as review all new EIA's for new projects and maintain an internal audit system	December 2016	12/31/2016	Summarize HSSE Organisation chart in annual report		Mr. Hakan BOZKURT has been appointed as the Director of Environment and Occupational Health and Safety at the institutional level for the management of environmental, social, occupational health and safety issues. Annual Report PS1/PK1 1 section, organization chart of Akfen's social, environmental and OHS issues is given. Complaints from stakeholders, NGOs, local communities and 3rd parties will also be sent to the Environment and OHS Director by following the sequence indicated in the organizational chart. Environment and Social, Management System Document (See Annex-10) describes job descriptions and grievance mechanism.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
5	1.3	Create an ”environmental council” consisting of environmental, H&S and social specialists from the operations to improve information exchange and strategic planning. As part of the EHS team and ‘environmental council’ Develop a procedure for an inspection and maintenance programme with regards to dam safety against ICOLD standards. Implement the inspection programme once the procedure is developed. As part of EHS management plan prepare an emergency response plan, (and implement when necessary) inclusive of an early warning procedures in case of flood threatening the public (typically for floods with a return period of five years or more).	2015 - ongoing		Summarize in annual report		The Environment Council was established to improve information exchange and strategic planning. In the Environment and Social, Management System, job definitions and organization diagram are given. ICOLD audit procedure is defined in the scope of Environmental and Social Management System on dam safety. DOĞANÇAY HEPP and Çamlıca III HEPP were inspected within this scope. Çamlıca III and Doğançay HEPP’s have prepared an "Environmental Protection, Security and Warning Systems Guide for Energy Use Facilities" to be presented to the Ministry of Forest and Water Works-General Directorate of State Hydraulic Works Administration and Maintenance Department. This document is within the guidelines of the TRCOLD (Turkish National Committee of the International Commission on Large Dams), taking into account the ICOLD criteria and the needs and conditions of our country. The audit report is given in Annex-22. Emergency response procedure for HEPPs has been prepared within the scope of Environment and Social Management System. Emergency Response Plans have been established, including possible floods.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.4	Develop and implement a Corporate and Social Responsibility (CSR) Policy for the Company. Create synergies with Akfen Group Foundation social investment activities. This programme should contain high quality information on objectives, methodologies, target dates and Key Performance Indicators (KPI) same as corporate requirements. Develop a programme for community engagement for each plant. Prioritise the most vulnerable and affected communities in CSR projects. Publish CSR report, as part of disclosure of non financial information every year	2017 First report for 2017 in 2018		In annual report provide status of implementation Copy of the CSR report	This action will be on the agreement but will not be disclosed on IFC project data base	As a social responsibility project TIKAV has developed a project called 'Education at Home'. With this project, to be applied 15 project location of Akfen, women having children between 0-6 years of age were targeted to get training. The goal of the project; which will be implemented in rural areas, is to educate the target group not only to keep the education process but also to contribute to this process in the home environment so that the children can become healthier individuals during the developmental period. Also, in the closing ceremonies planned to be held in the plants, it is also aimed to inform the public about the structure of the plant, their functioning and the issues that need to be taken into consideration by local community. The implementation of the project started in January 2017. Photographs of the activities carried out, a summary of the project, and project are given in Annex-6. Coordinator for the implementation of this project: TIKAV Financier: Akfen Organization Supporter: Mukhtar and village health units.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.5	Review and check the labour conditions of long term (>1 year) subcontractor companies proving services to the power plants.	2015/16 ongoing		Summary in annual report to EBRD and IFC	This action will be on the agreement but will not be disclosed on IFC project data base	Subcontractors providing long-term service for one year are contractors who construct Çalıkobası HEPP and Çiçekli HEPP projects. Within the scope of the Environmental and Social Management System, both construction sites were inspected by environmental engineers and OHS engineers. Environment and Occupational Health and Safety Assessment Forms included in the Environmental and Social Management System were used during the audit. These forms are prepared for questioning the requirements of national legislation and IFC-EBRD standards. The audit reports are given in Annex-7.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.6	Development of an Energy Saving Programme and conduct energy efficiency audits at each power plant. This should be undertaking as part of ISO 50001 implementation.	2018			This action will be on the agreement but will not be disclosed on IFC project data base	ISO 50001 Energy Efficiency Management System was established and Yağmur HEPP and Denizli SPP were selected as pilot plants and applications started. In the year 2017, ISO 50001 applications will be started in other plants. Performance figures and benchmarks were used to determine reference values. In this context, the values of heating and cooling degree - days, total number of personnel, total working hours, indoor usage areas, and consumption values per electricity generation amounts are determined. By the end of 2017, it was aimed to change the usage habits, regular maintenance of the heating and cooling systems, method changes for the use of company vehicles and at least 5% saving in energy consumption. **Consumption Performance Analysis Form** given in Annex-20 is used for recording. In this context, each power plant uses the forms of energy use, necessary monitoring and controls as stated in ESMS Annex-3; Will be checked by internal audits once a year. If there are deviations from the target, they will be determined. Corrective actions or new actions to achieve the targets set will be determined.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.7	Improve health and safety, with appropriate training and PPE. Aim to attain LTIR to 1 by 2016 and Total recordable incidents (TRIR) to less than 5. This applies to company direct acitivities only.	2015-17			This action will be on the agreement but will not be disclosed on IFC project data base	Employees and staff in the plants are provided with training (see Annex 1 Training Records) to protect their health and safety. They are also provided PPE in accordance with the work they are doing and explain the necessity and importance of using it in trainings. Within the scope of OHSAS Occupational Health and Safety Management System, **P10: Establishment of Occupational Health and Safety Establishment Procedure** is established. Depending on the procedure; • P10-T02 Job Safety Awareness Training Instruction, and • P10-F02 PPE Delivery Notice are prepared and they are applied. Examples of records the useage of PPE in construction sites and operations are given in Annex-8. The Lost Time Injury Rate (LTIR) for 2016 and the Total Recorded Incident Ratio are as follows: LTIR = 0 TRIR = 0.44 Calculations are given in Annex-8

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
3	1.9	Develop a procedure of independent impact assessment (EIA) on environment, biodiversity and local communities as well as cultural heritage for all new investments. This will include appropriate biodiversity assessments for birds and bats - and aquatic surveys (fish etc). Design mitigation measure for each Project. Any new project that would fall under the EU EIA Directive will include a screening assessment which will be conducted by Akfen and its advisors(unless a project falls into a category no approval is required) to define the scope of the due diligence . all projects will follow National legislation, - The final EIA may consist of a local EIA plus supplementary information as defined by the screening assessment on environmental and social issues. For all projects where an EIA is required - publish a Non Technical Summary (NTS) at the time of the zoning plan Stakeholder Engagement Plan (SEP) on internet and disclose as appropriate "A" kind, category, EBRD and IFC will approve the project	2016(prosecure will be develop with in the first 6 months of 2016) onwards		Summary of work undertaken in annual report and copy of NTS or link to web site with NTS in annual report. Any A category Project or located in a sensitives areas (IBA, Protected areas, Key Biodiversity Areas etc) to be subject to a non objection from EBRD and IFC prior to application for construction permit.	The document will prepare in the report will be made as a Turkish and a summary in English will be provided in the annual report under the decision making process	The procedure to be followed in order to evaluate the environmental, biological diversity, geographical features and cultural heritage characteristics of the investment area for new investments to be made by Akfen is described in Section 3.1.2 of the Environmental and Social Management System (See Annex-10). While new investment areas are being evaluated it is also stated that investment decisions will be taken within the framework of sustainable development principles in order to protect the natural and social environment by considering environmental effects and alternative options. After the investment decision is made, the Ecological Assessment Report (EAR) and EIA Report for investment are prepared in accordance with the requirements of the national legislation and the permits required by the legislation are taken. In accordance with this report, measures are taken to protect nature, biodiversity and the social environment during construction and operation. The Non-Technical Summary and Stakeholder Participation Plan has been prepared for each project and announced to the public at Akfen web site www.akfenenerji.com.tr

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.10	For any wind farm located in a bird sensitive areas defined in screening assessment by an ornithological or their advisers will undertake an appropriate bird and bat monitoring to assess environmental impacts. Any wind farm as defined in the screening assessment will need to include a cumulative assessment of all existing and planed wind farm projects in the near by area. No wind farm or hydro plant will be located on a Cultural Heritage site, or in a locally, nationally or internationally recognized protected area. As part of the screening assesment Akfen will review KBA (Key Biodiversity Areas) for key projects. The online version of Key Biodiversity Areas (Important Nature Areas) inventory in Turkish is available on: http://dogadernegi.org/yayinlarimiz.aspx and http://milliparklar.gov.tr Based on the screening assessment any wind farm located near a sensitive bird habitat or bird migratory route requires prior approval- and the definition of the scope of due diligence by EBRD and IFC.	2015 ongoing		Annual report to the Bank	This action will be on the agreement but will not be disclosed on IFC project data base	At present Akfen has no wind energy power plant (WEPP) project. There are also no HEPP projects in areas defined as national and international cultural heritage sites. ESMS Section 3.6.3 (see Annex-10) describes the selection / screening evaluations of ornithological, etc. for possible WEPP projects. ESMS Section 3.8 defines the selection criteria for investments to be made in areas subject to cultural heritage or to be done in the case of cultural heritage encountered during construction.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	1.11	The Company will not develop any new project that is located within an existing or potentially protected areas based on the screening areas. If a site is located in a potentially sensitive areas, as defined in the screening assessment such as National Parks, the scope of the EIA will be agreed with the EBRD and IFC	Ongoing		Appropriate assessment of sites and , avoidance of sensitive locations.	Çatak HEPP project to be undertaken only if not located in A - protection area. If the court decides that the project is go ahead, the company will provide to EBRD and IFC an English version of the ecological report for this project for non-objection from EBRD and IFC to proceed. This action will be on the agreement but will not be disclosed on IFC project data base	Projects are not developed in protected areas. The last situation in Çatak Project is given below: Rize Administrative Court first broke the decision of the administration in favor of Akfen. Later, the defendant administration carried this decision to the Supreme Administrative Court and broke the decision of the Rize Administrative Court with the reason that the Council of State had undergone an insufficient examination. The objection made by Akfen against the decision of the Council of State to dismiss was rejected. As a result, the decision of the administrative court awarded to Akfen was disrupted by the Council of State and the deficiencies identified were returned to the Rize Administrative Court for review within the framework. On the other hand, ecologically based scientific report prepared by Akfen for the Çatak project prepared by Hacettepe University for 4 seasons and scientific report prepared by the General Directorate of Natural Assets will be evaluated in the Trabzon Wildlife Conservation District Commission and it will be decided on the protection status of the project area. The EIA process of the project has been frozen by the Ministry of Environment.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
10	2.1	Develop formalised Institutionalized human resources management system and procedures with special regard to grievance procedures. This should include welfare arrangements for construction workers prior to construction activities commencing.	End of 2017		Management system manual and policies to be submitted to EBRD and IFC		**P.05 Human Resources Procedure** was established within the scope of ISO 9001 Quality Management System. In this procedure, staff recruitment work, staff assignments, authority and manager / staff expertise, experience and skill criteria, training for new staff, performance criteria and evaluation, leave, cease of employement, health problems etc. How to provide and evaluate employee surveys, proposals, objections and complaints, personnel communication rules developed in line with the hierarchical structure, and internal discipline rules have been defined. Procedures for monitoring and controlling subcontractor personnel are defined under the **P10 Health and Safety Procedure** and refer to this procedure in subcontracting contracts. The registration and evaluation of staff and other complaints from third parties is described under **P03 Internal External Communication Procedure**. The HR Prosedure defines the complaints mechanism by referring to this procedure. ((P03-F01 Personnel Claim Form, P03-F04 Proposal / Complaint Form, See Annex-19) Quality system policies are given in Annex-23.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
9	2.2	Develop and adopt Human Resource Policy and management system covering all employees, on a best effort basis for contractors as well as sub-contractors, to include (but not be limited to) • Approach to managing its workforce • Management of worker relationships • Access to worker's organisations • Working conditions and terms of employment • Child labour and forced labour policies • Equal opportunities and non-discrimination • Oversight provided of contractor policies/procedures	End of 2017		Written HR policies compliant with EBRD PR2 / IFC PS2 and the national Labour Law HR policy developed and adopted: prior to further construction activities. Contractor policies/ procedures reviewed/ approved: prior to work on-site. HR Policies implemented throughout construction and operation.		**ESMS Section 4.5.1 and 4.5.2** detail the OHS management and contractor auditing procedures to be implemented by the contractor during construction. Procedures for monitoring and controlling subcontractor personnel are defined under the **P10 Health and Safety Procedure** and it is refered in subcontracting contracts. In addition, the Contractor will be required to prepare the Occupational Health and Safety Management Plan for the construction activities to be undertaken. The contractor's workforce management procedures, working conditions and conditions of employment will also be specified in this plan. The contractor will not be allowed to start work on site unless the Plan is approved by AKFEN. The sites will be inspected before the activity starts. After construction starts, construction audit will be carried out by Akfen every three months.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	2.3	Set up and maintain a formal grievance mechanism for employees and contractors and disseminate information about its uses to the workforce	Prior to construction In Annual report Summarize material issues to EBRD		Adoption of formal grievance mechanism detailed in the SEP	This action will be on the agreement but will not be disclosed on IFC project data base	The mechanism of grievances for stakeholders, employees and contractor personnel is defined in the **ESMS Section 4.3.26** and in Annex-7 of the ESMS. There is also a complaint form on the Akfen web page (www.akfenenenerji.com.tr) that stakeholders can make complaints about the project. No staff complaints were made during this period.
	2.4	Arrangements should be in place for construction workers so that they should have access to welfare facilities such as drinking water, toilets and dining facilities At the time of the construction of laydown area and more semi-permanent facilities. (Including storage area and construction of more semi-permanent plants)	At the time of the construction activities commencing		Report should be submitted to EBRD/IFC-detailing arrangements to be put in place for construction workers At the time of the commencement of construction.	This action will be on the agreement but will not be disclosed on IFC project data base	On site inspections, workers' drinking water, toilet access, dining hall, accommodation and other social facilities are inspected and questioned (See. Annex-7 questions 65, 82, 83, 85, 86, 88, 89, 112 in the list of questions related to the OHS audit)
	2.5	Conduct regular employee standards audits to the best effort for contractor and sub-contractor employees to ensure compliance with the Labor Law and ILO Principles which Turkey is a party.	During construction and operation		Employee Standards Review Reports Summary of these reviews/audits should be provided in the Annual Report to EBRD and IFC	This action will be on the agreement but will not be disclosed on IFC project data base	On site inspections, the working conditions of the workers and other social facilities provided to them are also monitored. See Annex-7. The sites will be inspected every 3 months.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	3.1	Ensure that the measures identified in the EHSS due diligence report with regards to prevention and minimisation of pollution risk is addressed. Undertake an internal audit at end of 2018 to assess compliance with the ESAP and findings of the EHSS. As part of EHS management systems develop an additional action plant	2018		End of 2018 Report on the issues identified and remedial actions taken or planned.	This action will be on the agreement but will not be disclosed on IFC project data base	Waste management practices are being put into practice in order to prevent possible pollution in power plants and sites. Within the scope of ISO 14001 Environmental Management System, chemical usage, storage and wastes will be monitored. Also necessary measurement and monitoring will be done within the scope of system applications. Internal and external inspections will check the conformity of the applications to the management systems.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
15	3.2	Undertake an environmental monitoring assessment at each current and future HEPP location, to verify the biological effectiveness of the ecoflows. This should consider factors such as: • are ecoflows able to maintain water quality (temperature, dissolved oxygen, etc.); • can ecoflows support the maintenance of fish populations, particularly the more vulnerable species; and • do ecoflows give the streams the capacity to support spawning, incubation, rearing, and passage of fish? • Confirm that the presence and sizing of fish protection grids on the water intakes are appropriate.	2018 or following commissioning of a new HEPP.	12/31/2018	Report on the findings of the assessment to EBRD/IFC by end of 2018 to be discussed by the KEY shareholders internal		HEPP 's ecological flows are recorded and monitored online by the existing observation stations. The necessary studies and controls are carried out to ensure the sustainability of plant and animal species and the sustainability of the ecosystem. In the future, these controls and monitoring will continue. Çamlıca III HEPP are located on the Zamantı River which is one of the important branches of the Seyhan River and due to their topographical features fish gates have not been constructed. For this reason, 'Fish Capture, Chipping and Transportation System' is applied in order to prevent the occurrence of subspecies and the continuity of existing species in the river. This work, which was held in May and October 2016, carried out fish catching, loading and transportation works in downstream-upstream and upstream-downstream directions of Çamlıca III Dam. This work has been reported for the continuity of fish species in the Zamantı River.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	3.3	Presentation of greenhouse gas savings inventory to EBRD and IFC annually.	End 2016 and then each year after for the GHG inventory.		Report on the procedures and systems to be implemented to EBRD and IFC	This action will be on the agreement but will not be disclosed on IFC project data base	Since Akfen's all plants operate with renewable energy, there is no greenhouse gas emission related to production. On the contrary, the energy generated in these plants causes greenhouse gas reduction. During the plant activities, there is a small amount of greenhouse gas release due to secondary activities such as transportation, generator work, etc. In construction sites, motor and electric usage is also the same in terms of the use of hydraulic power, transportation, heating and generator operation. Consumption and release amounts causing greenhouse gas emissions for each operation and site are given in Annex-9. Greenhouse gas account for each power plant and site given under the heading PS 3/PK3 of the Annual Report Annex-9. The information from the operations and sites is collected in the **Greenhouse Gas Emission Inventory Form** registered in the system. The sample form is given in Annex-9.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
11	4.1	Akfen to review and align the H&S Plans in line with the EBRD PR4 / IFC PS2 and PS4 requirements. Plans should guide all Project-related activities during construction and operation. Requirements to include (but not be limited to): • Job- and task-specific hazard and risk analysis and controls for activities. • Provision of PPE, requirements for use of PPE, and enforcement of PPE use. • Safety training for all personnel, covering hazards for their jobs.(i.e. Undertake driver safety training and code of conduct training for the drivers of the transfer trucks as well as drivers of employee service buses.) • Develop an accident investigation program. Record incident statistics, including total work hours, serious injuries, lost time, etc. • Develop a medical monitoring program for employees. • Ensure implementation of a work permit system covering both workforce and contractors for dangerous tasks such as confined space. • Establish and implement a "Lock Out Tag Out" system.	2016-throughout the lifetime of the projects		Health and safety management plan copies of updated procedures records of internal and external audits		Akfen OHSAS 18001 Occupational Health and Safety Management System has established **P10 OCCUPATIONAL HEALTH AND SAFETY PLANT PROCEDURE.** This procedure defines the OHS organization, hazard definitions and risk assessments, and operating instructions. Depending on the procedure, the following instructions are prepared: •P10-T01 Hazard / Near Miss Notification Instruction • P10-T02 Job Safety Awareness Training Instruction •P10-T03 Safety Instruction for Construction Site Electrical Substructure •P10-T04 Post-Accident Action Instruction •P10-T05 Color Code Application Instruction • P10-F01 Hazard / Near Miss Notice Card • P10-F02 PPE Delivery Notice • P10-F03 Accident File Control Form • P10-F04 OHS Field Control Report • P10-L01 Accident List • P10-L02 OHS Trainings Plan •P10-L03 OHS Trainings Follow-Up Control List •P10-L04 Lifting Vehicle / Equipment Tracking Control List • P10-L05 Drill Plan • P10-L06 Drill Follow-Up Checklist •P10-L07 Hazard / Near Miss Notifications Tracking List

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
		• Implement workplace hazard monitoring. • Place safety signage where necessary. Safety signage should address fire safety, emergency response, noise, PPE, no smoking, traffic control, etc.					• P10-L08 Fire-Fighting Equipment Follow-up Control List • P10-L09 Lightning Rod / Grounding Follow-Up Control List The reports of the inspections made are given in Annex-7.
12	4.2	Review and update the current emergency response plans in consultation with responsible authorities and communities to cover at least fire, flood response, spills, severe injuries or fatalities, or other events that could reasonably be expected to occur within the lifetime of the projects in line with the EBRD and IFC requirements. Trainings and drilling exercises should be conducted on regular basis.	2016-ongoing		Updated Emergency Response Plan		Emergency Response Plans are prepared for all power plants. The update of the plans is checked. The Emergency Plans prepared for Demirciler HEPP, Gelinkaya HEPP, Çamlıca III HEPP and Yağmur HEPP are given in Annex-11 as an example.
	4.3	Regularly Monitor the firefighting system/equipment as necessary, including fire extinguishers in offices and operation areas. Provide relevant training to personnel and prepare/post relevant instructions.	2016		Availability of firefighting equipment and fire water	This action will be on the agreement but will not be disclosed on IFC project data base	Emergency preparedness is explained in **OHSAS P 10 OCCUPATIONAL HEALTH AND SAFETY PLANT PROCEDURE**. Emergency Preparations and trainings are questioned in business and site inspections. Fire extinguishing trainings were given and exercises were carried out in the plants (See Aneex-1) Periodical maintenance of fire extinguishers was carried out. An example of the fire extinguisher control is given in Annex-11.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
14	5.1	Adopt a formal grievance mechanism, enact the Stakeholder Engagement Plan and develop a land acquisition and compensation framework.	2017		Document stakeholder engagement activities to include land acquisition Annual report on stakeholder engagement Provide report to EBRD and IFC with regards to land acquisition framework		Preparation of stakeholder participation plan, land acquisition procedures and complaints mechanism **ESMS** document prepared for Akfen. It is defined in Annex-10. The methods for preparing the stakeholder engagement plan are given in ESMS Section 3.9 and related supplement. In this document, the stakeholder engagement plan aims to ensure that all the stakeholders (local people, civic movements, media, private sector, universities, non-governmental organizations, etc.) are closely recognized and that their involvement is addressed. Thus, the concerns, expectations and demands of local people, civil society organizations, local governments and other related groups; will be determined and evaluated, based on ecological sensitivity and scientific basis, taking into consideration the regional characteristics. Prepared SEPs are also given in Annex-16. The work to be done on the compensation of land acquisition and the restoration of livelihoods is also described in Annex-13. Procedures for land acquisition are described in ESMS Section 3.5. The grievance mechanism is described in the ESMS Section 4.3.26

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	5.2	Implement the SEP (See Action 10.1 to develop an SEP) and a formal grievance mechanism, and continued consultation with people affected by land acquisition	Prior to land acquisition as required		Document stakeholder engagement activities to include land acquisition Annual report on stakeholder engagement	This action will be on the agreement but will not be disclosed on IFC project data base	Stakeholder participation plans prepared for the projects in which land acquisition studies were conducted during this period are given in Annex-13.
	5.3	Provide an update on the progress to close out all land acquisition claims with regards to Doruk	June 2016		Provide report to EBRD and IFC quarterly on progress	This action will be on the agreement but will not be disclosed on IFC project data base	Up-to-date information on land acquisition at Doruk HEPP is given in Annex-12.
13	5.4	Develop a land acquisition and compensation framework for the purchase of land for new projects the framework where possible and to the extend when possible will include associated infrastructure such as powerlines. For each project undertake risk assessment associated infrastructure even if not develop by Akfen. The objectives of the framework should describe how to: • avoid or minimise resettlement, economic displacement • consider feasible alternative project designs	End of 2016		Provide report to EBRD and IFC with regards to land acquisition framework		Procedures for land acquisition are described in ESMS Section 3.5. This document describes the procedures to be followed when a need arises for the acquisition of temporary or permanent, public or private, land or any immovable, whether within or outside the project area. Ecological studies have been carried out for ETL and the effects on living environment been taken into consideration. The ecological study is given in Aneex-14.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
		• mitigate adverse social and economic impacts from land acquisition • provide compensation for loss of assets at replacement cost • improve or, at a minimum, restore the livelihood and standards of living					
	6.1	Undertake pre-construction ecological surveys and develop site mitigation / protection plans, for Energy Transmission project in the locations where the EIA has identified that protected species are present.	Prior to construction commencement.		Provide report to EBRD and IFC with regards the material findings of the surveys and measures implemented which will be used internally	This action will be on the agreement but will not be disclosed on IFC project data base	Ecological surveys prepared for ÇALIKOBASI HEPP, ÇİÇEKLİ HEPP and SOLENTEGRE SPP ETL are given in Annex-14.
	6.2	Based on the screening study undertake location specific terrestrial ecological and birds and bats surveys for all new windfarm locations, to assess resident species risk, migratory and general bird related risks, and ensure adequate mitigation is featured as part of the project designs.	As part of planning for all future windfarms, completed prior to detailed design finalisation.		Provide report to EBRD and IFC - with regards the findings of the surveys and measures implemented.	This action will be on the agreement but will not be disclosed on IFC project data base	Currently, there is no wind power plant project.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	6.4	Maintain a post construction monitoring system for hydro and wind farms to asses post construction impacts and as necessary develop mitigation measure to limit such impacts. These can be through active turbine management or flow management.	Ongoing		Compliance with permits and best practice to limit net ecological impact. Information in annual report. To be verified every 5 years by independent audit.	Action plans could result in reduction of operations. This action will be on the agreement but will not be disclosed on IFC project data base	We do not have a wind power plant. No HEPP has not been completed in this period. Construction of two HEPP projects is continuing. A measurement program will established to monitor/measure activities specified in the Ecosystem Assessment Report (EAR) during construction and operational stages, to be carried out under national legislation. This will limit the effects of plant operations and, if necessary, actions will be set for mitigating measures. There is a Flow Monitoring Station (FMS) in active HEPPs. Thanks to these CMS's located in the downstream section of the HEPP, the amount of ecological water left is measured continuously. The flow values are also transferred online to DSİ. At the request of DSİ, the camera system is also installed and the CMS's are also controlled by the camera. Controls for activities and applications shall be done and verified by internal audits to be carried out every year and external audits to be carried out every 5 years.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	6.5	Maintain a minimal water flow on all hydro project for all to ensure that not biodiversity loss and no negative impact on downstream water users.	Ongoing		Compliance with permits and best practice to limit net ecological impact. Information in annual report. To be verified every 5 years by independent audit.	This action will be on the agreement but will not be disclosed on IFC project data base	Care is taken to ensure the necessary ecological flow / life water and the amount of agricultural irrigation in the existing HEPPs in accordance with the project's EAR, the amount of water determined as the amount of ecological flow is left. For this purpose, the Flowt Monitoring Station is located downstream of the HEPPs.
1	7.1	For each new project, the EIA process should take into account issues of cultural heritage. The development and implementation of the 'coincidental find process' which will be used during all construction activities and will support the management of archaeological findings.	End of 2016 training to be implemented as part of EHS management system development		Completed EIA accepted and assessed by national regulator.		A chance find procedure was established to protect cultural heritage. Episode in ESMS, it is explained in detail in 3.8. During this period, there was no evidence of cultural heritage on the project sites.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
6	10.1	Develop and implement a corporate Communication Plan and implement such plans at the companies' level. Develop separate Stakeholder Engagement Plans (SEP) for each project (at least for each major investment). This should include the development and implementation of a Grievance Mechanism. The SEP should be reviewed and if necessary updated annual or when changes occur in the Projects. The SEP (s) should address potential issues that may be raised by NGOs in Turkey. If necessary, or request arrange for meetings as appropriate. As part of SEP and EHS management prepare a register of risks for the public and develop and implement and monitor mitigation measures. The register should be prepared by a specialist used with the implementation of international Industry good practices on hydropower schemes.	2016-ongoing throughout the lifetime of the projects	12/31/2016	SEP published on website and disclosed to affected stakeholders. Summary of the implementation in Annual reports to EBRD and IFC		The registration and evaluation of grievances from staff and third parties are described under **P03 Internal External Communication Procedure.** A Stakeholder Engagement Plan has been prepared for all projects and is given in Annex-14. SEP and grievance mechanism prepared for Akfen is presented to all stakeholders.on the web page Prepared SEPs will be audited annually and necessary revisions will be made.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
7	10.2	Monitor implementation of the SEP and grievance mechanism to ensure a continuous and systematic stakeholder engagement programme throughout the projects life cycle. Documentation of all stakeholder activities and logging of grievances to inform the annual monitoring report. The SEP should be reviewed and if necessary updated annual or when material changes occur in the Project.	2016-ongoing throughout the lifetime of the projects		Document stakeholder engagement activities Document grievances, response to grievances with records maintained. Provide summary in Annual report on stakeholder engagement activities and grievances		A Stakeholder Engagement Plan has been prepared for all projects and given in Annex- 16, stakeholder complaints are given at Annex-18. SEPs and grievance mechanism are presented to all stakeholders on the web page prepared for Akfen. Prepared SEPs will be reviewed annually and necessary revisions will be made.
8	10.3	Develop a Corporate internet site, with inclusive of a sustainability page and disclose as appropriate NTS and community information brochures for new Projects on this web site	2016		Link to web site in annual report		At www.akfenenerji.com.tr there are public information brochures and non-technical summaries presented for projects under construction.
	10.4	Develop a Non-Technical Summary (NTS) as appropriate and community leaflet for each new project in construction or to be developed in the future providing a project description, the ESIA process, the environmental and social benefits/impacts, mitigation and management measures and the contact details for communications with a link to the SEP	As part of the development, planning, design, construction and commissioning of each project		Disclosure of SEP and NTS	This action will be on the agreement but will not be disclosed on IFC project data base	Brochures prepared to inform the public about Çalıkobası HEPP and Çiçekli HEPP which are in the construction phase given at Annex-15.

IFC No	EBRD No.	Action	Timetable Action to be Completed	Due date to be disclosed on IFC project webpage	Target and Evaluation Criteria For Successful Implementation	Comment	Progress Update
	10.5	Appointment of a Public Relations Officer with appropriate skills and experience in effectively managing SEP implementation in every scene	Before the construction		Determination of Public Relations Officer. Organization chart	This action will be on the agreement but will not be disclosed on IFC project data base	Burak SOLMAZ was appointed as Public Relations Officer at the company headquarters. This assignment is also announced on the prepared internet page.

Table 27- Action Plan Status (ESAP)

AMR SECTION VI

DEVIATIONS/NON-COMPLIANCES

Deviation/non-compliances are identified in reference to the following:
(i) IFC's Performance Standards; (ii) Environmental and Social Action Plan; (iii) Non- compliance with local environmental and social regulations (iv) Applicable EHS Guidelines

If there is any non-compliances/deviations please record and provide additional information if necessary.

Please explain the cause and, if appropriate, describe the planned corrective actions to prevent re-occurrence.

Areas of Interest	Identified Non-Conformities	Corrective Action Plan	Completion Status	Completion Date
IFC / EBRD Performance Standards (PS1-8, PK1-10)	1. There are deficiencies in the OHS hygiene measures in the offices and in the plants. 2. There is a lack of environmental measurements noise, dust, etc. at construction sites	Proposals have been collected for these measurements. Measurements are planned to started immediately in all plants and in the construction sites, and measurements that are not completed because of adverse winter conditions will be carried out in a planned manner. ISO 14001 and OHSAS 18001 systems will ensure compliance with legislation and monitoring constantly in a systemtical manner.	New measurements were also made in Demirciler HEPP, Kavakçalı HEPP, Sekiyaka HEPP and Denizli SPP. The reports are presented in Annex-4.	30 April 2017
	3. Emergency response drills were not conducted with the participation of local people in all HEPPs.	EMR training and drills will be planned and carried out with the participation of local people which are likely to be affected from floods and other emergencies in all HEPPs. Under the OHSAS 18001 system, EMR preparations will be continuously monitored through system approach and duplication of the same inconvenience will be avoided.	Plans will be made in February 2017 and training and drills will be organized starting from March 2017 with better weather conditions.	31 May 2017
	4. Traffic Management Plan has not been prepared for all plants and construction sites.	For each plant and site, traffic management plan will be prepared considering local characteristics and settlements.	The necessary planning to prepare the Traffic Management Plan has been made and will be started in March 2017 .	30 June 2017

Table 28- Deviation/Non-Compliances

ANNEXES:

1. TRAINING RECORDS
2. ACCIDENT REPORT
3. DUE DILLEGENCE REPORT FOR MENZELET & KLAVUZLU
4. MEASUREMENT REPORTS
5. EMERGENCY TRAINING WITH LOCAL POEOPLE
6. SOCIAL AID PROJECT
7. SITE AUDIT REPORTS
8. LTIR, TRIR AND PPE USAGE
9. GREENHOUSE GAS INVENTORY
10. OHSAS PROCEDURE & ENVIRONMENTAL, SOCIAL MANAGEMENT SYSTEM
11. EMERGENCY PREPARADNESS
12. EXPROPRIATON INFORMATION FOR DORUK HEPP
13. SEP FOR PROJECTS WITH LAND ACQUSITION
14. ECOLOGICAL STUDY FOR ETL
15. PROJECT INTRODUCTORY LEAFLETS
16. SEP FOR PROJECTS
17. WASTE WATER ANALYSIS
18. GRIEVANCE RECORDS
19. PERSONNEL SUGGESTION-COMPLAINT FORM
20. ENERGY EFFICENCY CONTROL FORMS
21. QUALITY SYSTEM CERTIFICATES
22. ICOLD AUDIT
23. QUALITY POLICIES OF AKFEN
24. ESHS SCREENING FOR MENZELET & KLAVUZLU DAMS