

GOLD STANDARD PASSPORT

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SECTION A. Project Title

CEMEL HYDRO BUNDLE

Date: 11/03/2014

Version: 07

SECTION B. Project description

Avanos Regulator and Cemel I-II-III HEPP projects are located on Kızılırmak River within the boundaries of Avanos District of Nevşehir Province. The project is licensed in 14/12/2006¹ and in 09/02/2011 all the legal rights of the project is given to Zeynep Enerji Üretim Sanayi A.Ş. for 44 years 11 months and 2 days. This bundled project is composed of 7.6 MWe Cemel I HEPP, 7.6 MWe Cemel II HEPP and 6.4 MWe Cemel III HEPP² on the mid section of Kızılırmak River basin. The purpose of this project is to generate electricity by using the existing water without constructing any reservoir. The project type is run-of-river type project.

The proposed hydroelectric power plant is composed of:

- Weir house
- Derivation channel
- Power House
- Tail water channel³

The presented structural format is the same for all three Cemel.

The project will have a capacity of 21.6 MW_m and 20.4 MW_e and an expected production of 73.95 GWh. This corresponds to 40,451.tCO₂ avoided annually.

Electricity generated at project will be fed to the national grid via Avanos Substation with energy transmission line of 8 km from Cemel I HEPP, 3.6km Cemel II HEPP and 4.4km from Cemel III HEPP.⁴

¹ PIF page 9

² PIF page 10

³ PIF page 35

⁴ PIF page 42

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SECTION C. Proof of project eligibility

C.1. Scale of the Project

Project Type	Large	Small
	☐	☐
	☐	☐
	☐	☐
	☐	☒
	☐	☐
		☐

C.2. Host Country

Host country Turkey has ratified Kyoto Protocol in February 5th 2009. However, Turkey is not expected to have any emission reduction commitment under Kyoto Protocol.

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C.3. Project Type

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	☒	☐
Does your project activity classify as an End-use Energy Efficiency Improvement project?	☐	☒

Project is eligible for GS as it fulfills following criteria;

- Project is a debundled project which is composed of three small scale projects called Cemel I HEPP Cemel II HEPP Cemel III HEPP but will use large scale methodology (ACM0002)
- There is no cap&trade system in Turkey
- Project is in compliance with GS rules and eligibility criteria
- Project reduces GHG emissions (CO₂)
- Project does not use any ODA funding
- Project has not applied or is seeking for any other certification scheme.

Pre Announcement	Yes	No
Was your project previously announced?	☐	☒
The project investment decision has been made considering carbon revenues.		

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C.4. Greenhouse gas

Greenhouse Gas	
Carbon dioxide	☒
Methane	☐
Nitrous oxide	☐

C.5. Project Registration Type

Project Registration Type	
Regular	☒

Pre-feasibility assessment	Retroactive projects (T.2.5.1)	Preliminary evaluation (eg: Large Hydro or palm oil-related project) (T.2.5.2)	Rejected by UNFCCC (T2.5.3)
	☒	☐	☐

If Retroactive, please indicate Start Date of Construction : 27/07/2011

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SECTION D. Unique project identification

D.1. GPS-coordinates of project location

Cemel I HEPP	Coordinates
• Latitude	38° 43' 25.93" N
• Longitude	34° 48' 40.51" E
Cemel II HEPP	Coordinates
• Latitude	38° 45' 15.48" N
• Longitude	34° 44' 39.19" E
Cemel III HEPP	Coordinates
• Latitude	38° 45' 25.58" N
• Longitude	34° 42' 33.57" E



The given coordinates represent the location of power house of Cemel I HEPP, Cemel II HEPP, Cemel III HEPP as in the order.

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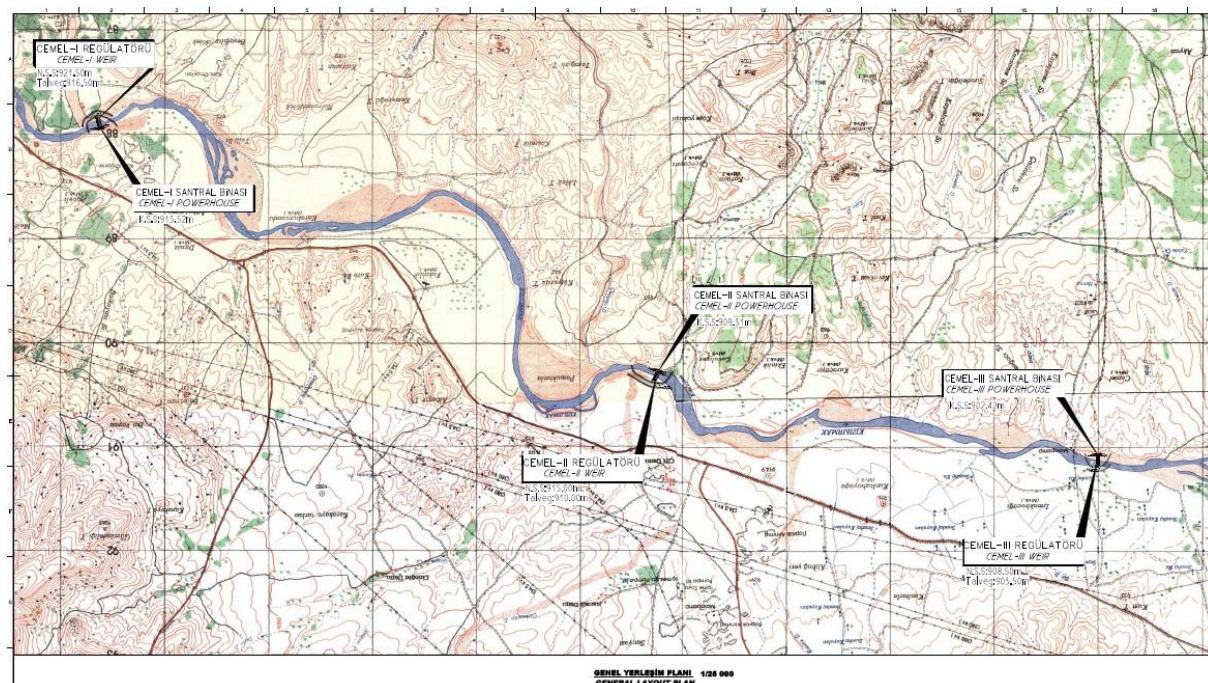
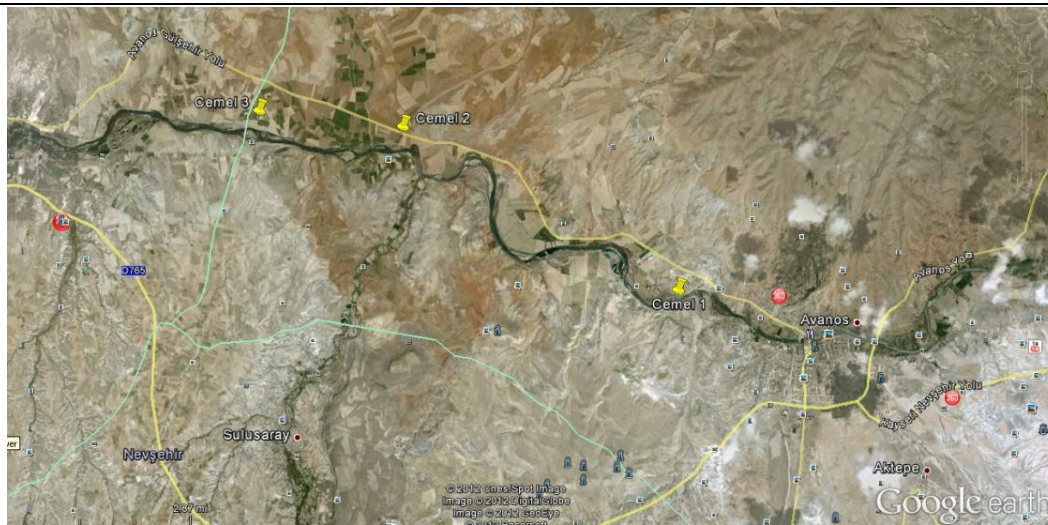


Figure 1. Cemel Hepp Layout

Map above shows the exact location of the proposed Cemel I HEPP, Cemel II HEPP, Cemel III HEPP weirs and powerhouses.

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D.2. Map



SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

Stakeholder feedback Round for proposed project was held on 16/07/2012 at Avanos Municipality Meeting Hall in Avanos District of Nevşehir Province

AGENDA:

15:00-15:05	OPENING & INTRODUCTION
15:05-15:20	INTRODUCTION OF THE PROJECT
15:20-15:30	CLIMATE CHANGE & CERTIFICATION PROCESS
15:30-15:45	QUESTIONS & ANSWERS

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15:45-16:00

INTRODUCTION OF GRIEVANCE MECHANISM
SD ASSESMENT

CLOSURE OF MEETING

The list of invitees are given below.

Category Code	Organisation (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Mukhtar of Allahattin Neighbourhood	İhsan Balkan	Letter	28/06/2012	Y
A	Head of Yeşilöz Village	-	Letter	28/06/2012	Y
A	Mukhtar of Yenimahalle	Mustafa Çete	Letter	28/06/2012	Y
A	Mukhtar of Cumhuriyet Neighbourhood	Ömer Top	Letter	28/06/2012	Y
A	Mukhtar of Ortamahalle	Halil Yoğurtçu	Letter	28/06/2012	Y
A	Local People	-	Via Village Heads	28/06/2012	Y
B	Ministry of Energy and Natural Resources	-	Letter	29/06/2012	Y
B	Avanos Municipality	Dr. Mustafa Körükçü	Letter	29/06/2012	Y
B	Avanos District Governor	Aylin Kırıcı Duman	Letter	29/06/2012	Y
B	District Directorate of Agricultural, Food and Breeding		Letter	29/06/2012	Y
B	Province Gendarmerie commander		Letter	29/06/2012	Y
B	Avanos Police		Letter	29/06/2012	Y

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	Department				
B	Directorate of forestry		Letter	29/06/2012	
B	District Special administration		Letter	29/06/2012	Y
B	Regional Directorate of DSI – 12 th Branch		Letter	29/06/2012	Y
C	Ministry of Environment and Urbanization		Letter	29/06/2012	Y
D	Chamber of merchants and craftsmen		Letter	29/06/2012	Y
D	Ereğli Chamber of Agricultural		Letter	29/06/2012	Y
D	Agricultural Credit Cooperative		Letter	29/06/2012	Y
D	TEMA Nevsehir		Letter	29/06/2012	Y
D	ÇEKÜL Nevsehir		Letter	29/06/2012	Y
D	DAD	-	e-mail	29/06/2012	Y
D	TURÇEK	-	e-mail	29/06/2012	Y
D	Doğa Derneği	-	e-mail	29/06/2012	Y
D	TEMA	-	e-mail	29/06/2012	Y
D	REC	-	e-mail	29/06/2012	Y
E	Gold Standard Foundation	Bahar Ubay	E-Mail	29/06/2012	Y
F	WWF-GS Supporter NGO	-	E-Mail	29/06/2012	Y
F	Greenpeace - GS Supporter NGO	-	E-Mail	29/06/2012	Y
F	Helio-GS Supporter NGO	-	E-Mail	29/06/2012	Y
F	REEP- GS Supporter NGO	-	E-Mail	29/06/2012	Y
F	MERCY CORPS	-	e-mail	29/06/2012	Y

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The invitation list and participants covered all relevant key stakeholders. Although, locals were encouraged to participate the meeting , most of them did not participate because they were busy with harvesting their crops. . Therefore, In order to have the opinion of the locals who were not be able to participate the meeting, The GTE project team went to the villages after the official meeting. GTE project team could meet locals who are listed below:

- Mustafa Çete (Mukhtar ofYenimahalle)
- Murat Ateş (Yeşilöz Village- deputy of Mukhtar)
- Şenel Güneş (Yeşilöz Village)
- Ali Ay (Yeşilöz Village)
- İsmail Ay (Yeşilöz Village)
- Ibrahim AY (Yeşilöz Village)

Locals generally indicated their support to the project.

The main issues raised by the participants during the meeting were:

Stakeholder comment	Was comment taken into account (Yes/ No)?	Explanation (Why? How?)
Have the Kyoto Protocol been still in force?	Yes	At the end of this year, Kyoto Protocol will abolished but some counties will continue decreasing their GHG emissions voluntarily.
Does this project cause the climate change in this region?	Yes	Project is a impoundment type hepp and does not cause any new flooded area. Therefore, new reservoir is not created. Water will be rised in the existing stream bed. As a result, there is no climate change
Can we utilize the generated electricity from this project?	Yes	You cannot use directly. Energy voltage is not suitable for daily usage.. The generated energy will be transferred to the transmission line, then transformer station and then to the energy pool for to be transferred all over Turkey.. Think that as a energy pool. Generated electricity will be transmitted to the grid.

E.2. Stakeholder Feedback Round

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The meeting was organized in the meeting hall of Avanos Municipality. The agenda of the meeting was defined considering the GS requirements. After opening of the meeting and definition of the purpose of the meeting, Mr. Metin DEMİR, Site Manager, made a presentation about the project. Moreover, He explained the benefits of the project to the District and the national Economy. After Mr. Metin Demir, GTE representative delivered a presentation climate change and carbon certification. Also Kemal Demirkol explained the grievance rule of the Gold Standard stressing that the meeting was just the beginning of a process for at least 7 years and impacts of the project will be monitored. It was highlighted that the GS was also considering the social and environmental impacts of the projects and required continuous feedback from the stakeholders, especially of locals. Then, it was explained that a grievance notebook would be placed at a secure and easily accessible place, such as the muhtar's, where they could fill in whenever there was a complaint or request which would be regularly checked by the project manager.

The participants in general stated their support for the project. There were a few questions Questions from participants and responses are as below;

Local: Have the Kyoto Protocol been still in force?

M. Kemal Demirkol: At the end of this year, Kyoto Protocol will abolished but some counties will continue decreasing their GHG emissions voluntarily.

Local: Does this project cause the climate change in this region?

Metin Demir: Project is a impoundment type hepp and does not cause any new flooded area. Therefore, new reservoir is not created. Water will be rised in the existing stream bed. As a result, there is no micro climate change

Local: Can we utilize the generated electricity from this project?

Metin Demir: You cannot use directly. Energy voltage is not suitable for daily usage.. The generated energy will be transferred to the transmission line, then transformer station and then to the energy pool for to be transferred all over Turkey.. Think that as a energy pool. Generated electricity will be transmitted to the grid.

After the official meeting GTE team and project representaters went to villages. They met the locals, and asked their opinion about the project. Locals generally stated their support to the project, and they asked some questions .

Murat Ateş mentioned the concerns of the local which are high number of expropriation and submerging of village, Metin Demir explained that there were only 2 area in this village which were expropriated and the compensation payments has been made to the Şenel Güneş and Ali Ay. No other expropriation would be made. Submerging of the village were not possible . as he mentioned before, there were only two area would submerge, and these areas has already expropriated . and compensation payments were made.

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Moreover, İsmail Ay, İbrahim Ay, and Ali Ay asked the employment opportunities for the locals. Metin Demir explained that they wanted to employ locals however, all locals work on fields, no one preferred to work in the project, and he said that if anyone wants to work in this project, they can contact with him directly.

To reach all stakeholders and to take their opinion about project, project owner visit the village and met the locals after the meeting day. They gave a brief information about the project. Locals filled the evaluation forms and these forms were stated in the Annex

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
1 The Project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The Project is not complicity in Human Rights abuses.	Project activities are not expected to cause any human rights abuse. Also the Project is subject to water utilization right agreement dated 05/11/2010. Nearby irrigation facilities or fishing activities will not be affected. Turkey has ratified European Convention on Human Right in 10/03/1954 ⁵ .	Low	No mitigation measure is required for this indicator.
2 The Project does not involve and is not complicit in involuntary resettlement.	Project does not involve any expropriation or resettlement. ⁶	Low	No mitigation measure is required for this indicator.
3 The Project does not involve and is not	Not Relevant. No cultural heritage has	Low	No mitigation measure is required

⁵ <http://www.istanbul.gov.tr/?pid=9218> (Accessed on 15/03/2010)

⁶ FSR section 7.2.3

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complicity in the alteration, damage or removal of any critical cultural heritage.	been identified in the project site. ⁷		for this indicator.
Labour Standards			
4 The Project respects the employees' freedom of association and their right to collective bargaining and is not complicit in restrictions of these freedoms and rights	Turkey has ratified ILO 87 and 98 conventions. All staff recruited are Employed according to the national legislations. ⁸	Low	No mitigation measure is required for this indicator.
5 The Project does not involve and is not complicit in any form of forced or compulsory labour.	Not Relevant. Turkey has ratified ILO convention 29 and 105 on forced and compulsory labour ⁵ .	Low	No mitigation measure is required for this indicator.
6 The Project does not employ and is not complicit in any form of child labour.	Not Relevant. Turkey is a party of IPEC* since 1992 and ratified ILO convention 138 and 182. ⁵	Low	No mitigation measure is required for this indicator.
7 The Project does not involve and is not complicit in any form of discrimination based on gender,	Not Relevant. Turkey has ratified ILO convention 100 and 111 and discrimination based on gender is illegal in Turkey. ⁵	Low	No mitigation measure is required for this indicator.
8 The Project provides workers with a safe and healthy work environment and is not complicit in exposing workers to unsafe or unhealthy work environments	Work Safety&Risk of accidents. Turkey has ratified ILO convention 155 about work safety and precautions. ^{5,9}	Low	All labours will be trained in terms of work safety and relevant safety protocols. Necessary Health and Safety equipments will be distributed to the staff.
Environmental Protection			
9 The Project takes a precautionary approach in regard to environmental challenges and is not complicity in practices contrary to the	Project does not produce any hazardous waste or involve plantation and host country has its own legislation.	Low	Project will have an impoundment type of weir and no conveyance line is going to be built. Design of the

⁷ PIF Page 169

⁸ <http://www.ilo.org/public/turkish/region/eurpro/ankara/about/sozlesmeler.htm>

⁹ Regulation on Labour Health and Labour Safety <http://www.mevzuat.adalet.gov.tr/html/5115.html>

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precautionary principle.	^{10,11,12}		Project ensures that the Project will only use a small area. A part of the excavation from the construction activities will be used to support the river side line as a precaution against flooding and some will be used for construction purposes. Remaining excavation will be stored in pre-designated areas shown in the general layout plan. In order to reduce dust emissions, seasonal assessments and dust dissipation modelling studies were performed as per the regulations, mitigation measures such as regularly sprinkling the roads with water, limiting the speed of transportation vehicles will be applied
10 The Project does not involve and is not complicity in significant conversion or degradation of critical natural habitats, including those that are (a) legally protected, (b)	There exist no protected (or proposed to be protected) or critical habitat within the Project boundary. Turkey is party to the Bern Convention. ¹³	Low	Company will comply with all national regulations and take all precautions stated in the feasibility report.

¹⁰ Regulation of Disposal of Hazardous wastes (Published in official gazette dated 14.03.2005 an dnumbered 25755)

¹¹ Regulation of Disposal of Solidwastes (Published in official gazette dated 14.03.1991 and numbered 20814)

¹² Regulation on assessment and management of environmental noise (Published in official gazette dated 07.03.2008 and numbered 26809)

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officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognized as protected by traditional local communities			Moreover, Çınar Mühendislik Musavirlik A.Ş. will be monitor the mitigation measure stated in the pre-EIA report during construction phase. Project activities include usage of a mobile concrete production unit. The cement Works will be carried out one by one and the mobile concrete production unit will be transferred to the construction site after each building is complete. There will not be any waste due to cement usage within the Project site as the cement will be supplied in sealed packages from another company¹⁴ All the processes will be carried out in line with the national regulations. Cement making unit will be operated as per the article 9 of the waste and landscape management regulations numbered 25755, dated 14/03/2005¹⁵ Project is an impoundment type
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¹³ PIF page 168

¹⁴ PIF page 52

¹⁵ PIF page158

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			of HPP so the powerhouse construction area will be minimal and necessary permissions are obtained. Roads are already available to the Project site and no additional access road construction is planned ¹⁶ . Permissions for cement production unit are obtained from Directorate of Environment and Forestry as per the EIA Approval document dated 31/03/2013
Anti-Corruption	Turkey has ratified several conventions on bribery and corruption including OECD and UN conventions ¹⁷ .	None	No mitigation measure is required for this indicator.

F.2. Sustainable Development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Air quality	No measure needed for NOx and SOx. Project had excavation work on the all three project sites. Since the project sites are near the existing road which is	MDG Goal 7A: Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources	Parameter :Dust emitted during construction, SO ₂ and NOx emission Baseline SO ₂ and NOx emisisions due to combustion of fosil fuel for electricity generation.	+

¹⁶ PIF page181

¹⁷ <http://www.masak.gov.tr/en/LaunderingProceedsofCrime/Chronology.htm>

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	paved already, no significant dust due to vehicles are expected however, to minimize the impact, construction site was irrigated regularly to avoid dust.¹⁸To avoid dust problem in the village, trucks were covered during the transportation of the excavated soil.¹⁴ Also during the storage of the excavated soil, the top layer of the soil was kept with a %10 Humidity ration to avoid the dust problem.¹⁹ Project is subject to a comprehensive dust formation modelling due to cement production. All the necessary procedures were followed and it has been proved that the project dust emissions are below the regulative limit values for particulate matters.²⁰	Indicator 7.3: CO2 emissions, total, per capita and per \$1 GDP (PPP)		
Water quality and quantity	Project is compact type run-of-river project. There is no diversion or conveyance line, therefore no		Parameter: Quality of water Project uses the present water on	0

¹⁸ PIF page188

¹⁹ PIF page 189

²⁰ PIF page 118

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	minimum flow needs to be determined. Since the project does not have any storage capacity water release will not be an issue. Level of water will be normalized by means of an inflated weir²¹ Domestic waste generated at the construction site is handled according to the national regulations on handling domestic waste.		the river and releases back to the river in 50m²² Baseline Natural flow regime of the river	
Soil condition	Disposal of excavation wastes appropriately.		Parameter: Appropriate storage of excavation aggregates, landscape restoration and sediment transport. Baseline The excavated soil is used as assitional layer to the prenent landscaping²³. There exist some pits from old sand quarries.	0
Other pollutants	No mitigation measure on noise is required since the project remains at a distance from the settlements. Waste oil and domestic solid		Parameter: Noise level during construction Baseline No noise or other pollutant sources exist. Amount of solid and waste oil.	0

²¹ PIf page 34

²² PIF page 10 and 47

²³ PIF page 75 and 126

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	waste are handled according to the national legislation.²⁴ Closest settlement to the project site is the Alaaddin district which is approximately 2kms away. Necessary noise calculations have been performed and the figures were found to be below the legal limits.²⁵		Documents proving of proper handling such as bills, collection agreements.	
Biodiversity	Project activity is limited to with the construction of powerhouse and since the existing river water is used , there is no change in the flow regime.²² Due to the nature of the project design, construction works will be limited and cutting of trees will not be necessary other than land clearance. Approval documents are obtained from legal authorities and the project owner will plant new trees around the project site as a compensate for any potential damage.²⁶ Fish species identified		Parameter: Number of affected species. Baseline Natural flora&fauna of the region.	0

²⁴ PIF page 71

²⁵ PIF page 71, 95, 119

²⁶ PIF page 16

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	near the project site is given in Table-9 in EIA report ²⁷ No species under threat were discovered. And aquatic life will not be effected due to the nature of the project.			
Quality of employment	Staff is trained for the positions created during construction & operation phases. All Health and Safety measurements was applied according to local regulations. ²⁸	MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day MDG Target 1.B: Achieve full and productive employment and decent work for all, including women and young people	Parameter: Number of certificates issued/trainings provided. Baseline No certificate exists Compared to the baseline scenario, trainings provided by the project owner improve the employees' qualifications which might help them to find job more easily in future.	0
Livelihood of the poor	No mitigation action is required since local people naturally have priority in recruitment process due to logistic purposes also.	MDG Target 1.A: Halve, between 1990 and 2015, the proportion of people whose income is less than one dollar a day and 1.B: Achieve full and productive employment and decent work for all, including women and young people) , 1.4 (1.4 Growth rate of GDP per person employed)	Parameter: Change in living standards Baseline Locals have limited access to facilities Project will increase income of local people compared to baseline scenario through locally recruited staff and supply of plant needs from region therefore will have indirect impact in terms of living standards. ²⁹	0

²⁷ PIF page 173

²⁸ PIF page 122-124

²⁹ PIF page 11

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Access to affordable and clean energy services	No mitigation action is required for this indicator.		Parameter: Fossil fuel replaced Baseline Fossil fuel dominated electricity grid. Project will decrease dependency on import fossil fuels (natural gas, coal and petroleum) compared to baseline scenario	+
Human and institutional capacity	No mitigation measure is required for this parameter.		Parameter: Number of people participating stakeholder meetings. Baseline Limited awareness about project and climate change. Project contribute increasing awareness about environmental issues of the local people through stakeholder consultation process compared to the baseline scenario	0
Quantitative employment and income generation	Mitigation measure is not required for this indicator.	MDG target 1.B: Achieve full and productive employment and decent work for all, including women and young people. Indicators: 1.4. Growth rate of GDP per person employed 1.5 Employmentto-population ratio 1.6 Proportion of employed people living below \$1	Parameter: Payment made to staff. Baseline No job opportunities and payment. Project will create new job opportunities compared to baseline scenario.	+

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		(PPP) per day 1.7 Proportion of ownaccount and contributing family workers in total employment		
Balance of payments and investment	Mitigation measure is not required for this indicator.	MDG Target 8.D (Deal comprehensively with the debt problems of developing countries through national and international measures in order to make debt sustainable in the long term)	Parameter: Currency saving due to avoided fuel import. Baseline Fossil fuel import and trade deficit. Projects replace fossil fuel import for electricity generation and result in net foreign currency saving. ³⁰	+
Technology transfer and technological self-reliance	Mitigation measure is not required for this indicator.	MDG target 8.F: In cooperation with the private sector, make available the benefits of new technologies, especially information and communications.	Parameter: Expenditures for equipments Baseline None. Project will contribute in technology transfer to Turkey and have limited impact on development of local suppliers and knowhow in the country	0
Justification choices, data source and provision of references				
Air quality	Project had excavation work on the all three project sites. Since the project sites are near the existing road which is paved already, no significant dust to vehicles are expected however, to minimize the impact, construction site was irrigated regularly to avoid dust. ³¹ To avoid dust problem in the village, trucks were covered with impermeable layer during the transportation of the excavated soil. ¹⁴ Also during the storage of the excavated soil, the top layer of the soil was kept with a %10 Humidity ration to avoid the dust problem. ³² Project is subject to a comprehensive dust formation modelling due to cement production. During			

³⁰ http://www.epdk.gov.tr/documents/elektrik/rapor_yayin/Elektrik_Piyasasi_Gelisim_Raporu_2011.pdf

³¹ PIF page188

³² PIF page 189

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	the assessments cement producing facility was also taken into account. All the necessary procedures were followed and it has been proved that the project dust emissions are below the regulative limit values for particulate matters. ³³ Dust emissions and measures will also be included in periodical monitoring report prepared by a third party.
Water quality and quantity	Project is run-of-river type and it uses the existing water on the river and releases back to river with in 50 m. ¹⁶ Since there is no conveyance line, no minimum flow is determined or gauging station is required for the project activity. Also the Project is subject to water utilization right agreement dated 05/11/2010. Nearby irrigation facilities or fishing activities will not be affected
Soil condition	Project does not have any impact on erosion. The main construction activities are powerhouse, weir and fish passage constructions. Excavation aggregate is formed at all three sites and excavated soil is disposed appropriately and used for landscaping.¹⁷ Project activities include usage of a mobile concrete production unit. The cement Works will be carried out one by one and the mobile concrete production unit will be transferred to the construction site after each building is complete. There will not be any waste due to cement usage within the Project site as the cement will be supplied in sealed packages from another company³⁴ All the processes will be carried out in line with the national regulations. Cement making unit will be operated as per the article 9 of the waste and landscape management regulations numbered 25755, dated 14/03/2005³⁵ Project is an impoundment type of HPP so the powerhouse construction area will be minimal and necessary permissions are obtained. Roads are already available to the Project site and no additional access road construction is planned³⁶ Permissions for cement production unit are obtained from Directorate of Environment and Forestry as per the EIA Approval document dated 31/03/2013. During construction phase, flow will be diverted and vegetation around the weir and tailwater channel will be cleared. Land around the project site is mainly agricultural area and there exist some bushes and a few trees around river bed. There is no forest area in the proeject site (Land restroration pland page 18)Those area continue to be cultivated after project activity and a land restoration plan will be implemented after construction activities are finalized in order to restore the degradation during construction. A land restoration plan has been prepared for this purpose and plantation of trees will be carried out within the scope of this plan. Source: Avanos Hepp Landscape Restoration Plan
Other	Noise due to construction activities has been calculated as in compliance with

³³ PIF page 118

³⁴ PIF page 52

³⁵ PIF page158

³⁶ PIF page181

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pollutants	relevant regulation on management and assessment of environmental regulation (Dated 07/03/2008 and numbered 26809).³⁷ Waste oil is collected and disposed in compliance with relevant regulations dated 30.07.2008 and numbered 26952³⁸ Project will have an impoundment type of weir and no conveyance line is going to be built. Design of the Project ensures that the Project will only use a small area. A part of the excavation from the construction activities will be used to support the river side line as a precaution against flooding and some will be used for construction purposes. Remaining excavation will be stored in pre-designated areas shown in the general layout plan. In order to reduce dust emissions, seasonal assessments and dust dissipation modelling studies were performed as per the regulations, mitigation measures such as regularly sprinkling the roads with water, limiting the speed of transportation vehicles will be applied Dust emission has been modeled considering the emissions in summer and winter months in PIF. Emissions have been calculated as below the limits of the regulation(PIF page 64-70) Closest settlement to the project site is the Alaaddin district which is approximately 2kms away. Necessary noise calculations have been performed and the figures were found to be below the legal limits.³⁹
Biodiversity	Since Turkey is a part to Bern Convention, the project owner takes the responsibility of every action.⁴⁰ No endemic or protected species has been defined in the project site. Two fishspecies identified in the project site are named as <i>Sphyrna viridensis</i> and <i>Silurus glanis</i> both of which are not among the endangered species list.(Expert assessment Report) There exist no protected or critical habitat within the project boundary²⁴. However, for the mobile terrestrial animal the staff is educated.²⁴ Due to the nature of the project design, construction works will be limited and cutting of trees will not be necessary other than land clearance. Approval documents are obtained from legal authorities and the project owner will plant new trees around the project site as a compensate for any potential damage.⁴¹ Fish species identified near the project site is given in Table-9 in EIA report⁴² No species under threat were discovered. And aquatic life will not be effected due to the nature of the project. Project activity is limited to with the construction of powerhouse and since the existing river water is used , there is no change in the flow regime, therefore project activity does not cause any significant change or impact on biodiversity.¹⁶ The fish passage construction is under the project owner responsibilities.⁴³ Soil excavation is done by considering the ovulation time period of fishes.²⁵ During the disposal of the excavated soil, the present fauna will be protected at the site.²⁴ During construction, flow will be continuously diverted to ensure that spawning habitat and migration is not affected.
Quality of	Operational staff will be trained in compliance with their assignments and regulation on H&S of labour. Necessary health and safety equipments will be

³⁷ PIF page 73-74

³⁸ PIF page 70,161

³⁹ PIF page 71, 95, 119

⁴⁰ PIF page 173 and 174

⁴¹ PIF page 16

⁴² PIF page 173

⁴³ PIF page175

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employment	distributed to them. ¹⁸
Livelihood of the poor	Project indirectly has impact on locals' living conditions due to supply of materials by local firms and recruitment of locals. ¹⁹
Access to affordable and clean energy services	Turkey has a significant energy deficit which causes trade deficit due to import of natural gas and oil and the economy is very sensitive against fluctuations in oil and gas prices. Project will prevent significant NG consumption for electricity generation and contribute use of local resources for electricity generation. http://www.epdk.gov.tr/documents/elektrik/rapor_yayin/Elektrik_Piyasasi_Gelisim_Raporu_2011.pdf
Human and institutional capacity	Project will have indirect impact on human and institutional capacity due to trainings of staff.
Quantitative employment and income generation	Project is expected to create 30-50 job opportunities during construction and 18 permanent opportunities during operation period. ⁴⁴
Balance of payments and investment	More than 50% of the electricity generated in Turkey has been via import coal and natural gas (http://www.epdk.gov.tr/documents/elektrik/rapor_yayin/Elektrik_Piyasasi_Gelisim_Raporu_2011.pdf). Project will contribute decrease in trade deficit and help in improvement of balance of payments.
Technology transfer and technological self-reliance	Project will improve capability of the company as this is their first project and help in increasing skills of the staff. Scoring has been neutralized as the impact is at firm level.

SECTION G. Sustainability Monitoring Plan

No	1
Indicator	Air Quality
Mitigation measure	Not required
Chosen parameter 1.1	SO ₂ emissions from grid connected plants
Current situation of parameter	SO ₂ is emitted from grid connected plants.
Estimation of baseline situation of parameter	Total SO ₂ emission related to electricity generation is about 413.78 Gg for 2010 according to National Inventory of Turkey ⁴⁵ .

⁴⁴ PIF page 182

⁴⁵

http://unfccc.int/files/national_reports/annex_i_ghg_inventories/national_inventories_submissions/application/zip/tur-2010-crf-15april.zip, Worksheet:Table1s1)

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		Considering that electricity generation in 2010 is 211,208 GWh, SO ₂ emission per MWh is calculated as 1.96 kg/MWh.
Future target for parameter		SO ₂ emission reduction corresponding to annual generation.
Way of monitoring	How	Electricity generated by Cemel I HEPP Cemel II HEPP Cemel III HEPP
	When	Yearly
	By who	Project Owner
Chosen parameter 1.2		NOx emissions from grid connected plants
Current situation of parameter		NOx is emitted from grid connected power plants.
Estimation of baseline situation of parameter		Total NOx emission related to electricity generation is about 317.45 Gg for 2010 according to National Inventory of Turkey. Considering that electricity generation in 2010 is 211,208 GWh NOx emission per MWh is calculated as 1.50 kg/MWh.
Future target for parameter		NOx emission reduction corresponding to annual generation.
Way of monitoring	How	Electricity generated by Cemel I HEPP Cemel II HEPP Cemel III HEPP
	When	Yearly
	By who	Project Owner
Chosen parameter 1.3		Dust emissions during construction
Current situation of parameter		Dust emission may occur during construction works
Estimation of baseline situation of parameter		Natural dust emission due to wind etc.
Future target for parameter		Dust emission during construction should be minimized via measures implemented.
Way of monitoring	How	Measures implemented will be monitored by a third party.
	When	Periodically during construction
	By who	Project Owner

No	2(FAR1)
Indicator	Biodiversity
Mitigation measure	Release of continuous flow from fish passage to ensure upward fish migration.
Chosen parameter	Functionality of fish passage
Current situation of parameter	Natural flow of river course
Estimation of baseline situation	Natural flow of river course

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of parameter		
Future target for parameter		Project does not cause any diversion, therefore it will not cause decrease in flow in any section of river bed. Fish passage will be designed considering river characteristics so the project activity will not cause any significant change or impact biodiversity.
Way of monitoring	How	The assessment/opinion of independent expert on effectiveness of the fish passage will be included in monitoring report. Expert assessment will be supported by references and local data. Alternatives, additional measures and recommendations will also be discussed in the expert report.
	When	Once after project is completed.
	By who	Project Owner

No		3
Indicator		Quality of Employment
Mitigation measure		All recruited technical staff is trained for operation and maintenance of equipment and Health and safety measures. Also, staff working with high voltage equipment is certified (also required by regulations). The trainings is renewed for new staff if necessary.
Chosen parameter		Number of personnel certified/trained during operation phase
Current situation of parameter		Construction activities are going on.
Estimation of baseline situation of parameter		None as there exist no staff before project implementation.
Future target for parameter		All relevant staff employed by project owner to be trained for Health and safety issues and relevant staff should be certified for working at high voltage environment. ⁴⁶
Way of monitoring	How	Through review employment records and training documents/certificates
	When	Yearly
	By who	Project Owner

No		4
Indicator		Balance of payments and investment
Mitigation measure		Not required
Chosen parameter		Currency saving due to avoided fuel import

⁴⁶ PIF page 124

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Current situation of parameter		Project has started generating electricity and contributing balance of payments.
Estimation of baseline situation of parameter		In 2010, about 21.8 billion m ³ natural gas been used ⁴⁷ for about 98,143.7 GWh electricity generation ⁴⁸ and about € 7 billion has been spent. Source for NG price http://www.esgaz.com.tr/dogalgazfiyatları.asp
Future target for parameter		Approximately consumption of 16,4 million m ³ of natural gas is expected to be avoided corresponding to € 5,2 million annually.
Way of monitoring	How	Through comparing electricity generated by Cemel I HEPP Cemel II HEPP and Cemel III HEPP and natural gas that would be used to produce the same amount of electricity by a thermal power plant.
	When	Yearly
	By who	Project Owner

No		6
Indicator		SP9
Mitigation measure		Proper disposal and storage of excavation aggregates
Chosen parameter		Storage of aggregate
Current situation of parameter		Excavation aggregates and top soil is collected and used for landscaping or stored properly. ¹⁷
Estimation of baseline situation of parameter		No excavation aggregate in the baseline scenario.
Future target for parameter		All aggregation wastes should be disposed appropriately.
Way of monitoring	How	Checking the project site and interviews with locals
	When	Once after construction is completed.
	By who	Project Owner

No		7
Indicator		Water Quality and Quantity
Mitigation measure		No mitigation measure is required.
Chosen parameter		Impact of project activity and waste water comes from management activities

⁴⁷ <http://www.teias.gov.tr/T%C3%BCrkiyeElektrik%C4%B0statistikleri/istatistik2010/front%20page%202010-%C3%A7i%C3%A7ek%20kitap/yak%C4%B1t46-49/47.xls>

⁴⁸ [http://www.teias.gov.tr/T%C3%BCrkiyeElektrik%C4%B0statistikleri/istatistik2010/front%20page%202010-%C3%A7i%C3%A7ek%20kitap/uretim%20tuketim\(22-45\)/40\(06-10\).xls](http://www.teias.gov.tr/T%C3%BCrkiyeElektrik%C4%B0statistikleri/istatistik2010/front%20page%202010-%C3%A7i%C3%A7ek%20kitap/uretim%20tuketim(22-45)/40(06-10).xls)

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Current situation of parameter		River water used for electricity generation and waste water due to management activities.
Estimation of baseline situation of parameter		Since the project is run-off- river type, the water used for the electricity generation is released back to river with in 50m and at least 1m depth of water will always be available in weir area. ¹⁶ Waste water due to management activities is stored and transferred to municipal waste water channel.
Future target for parameter		Project activity should not have any negative impact on water regime in the river and waste water will not have any impact on the local environment.
Way of monitoring	How	Site assessment and interviews with locals
	When	Once after construction is completed.
	By who	Project Owner

No		8
Indicator		Access to clean and affordable energy services
Mitigation measure		No mitigation measure is required
Chosen parameter		Fossil fuel saving.
Current situation of parameter		As per the latest information available for 2010, 21.78 billion m ³ of Natural Gas has been used for 98,143 GWh electricity generations.
Estimation of baseline situation of parameter		As per the latest information available for 2010, 21.78 billion m ³ of Natural Gas has been used for 98,143 GWh electricity generations.
Future target for parameter		NG should be prevented in parallel to energy generation realized.
Way of monitoring	How	Electricity generation statistics of Turkey will be used for calculating avoided natural gas import.
	When	Yearly
	By who	Project Owner

No		9
Indicator		Quantitative Employment and Income Generation
Mitigation measure		No Mitigation measure is required
Chosen parameter		Payment made to staff
Current situation of parameter		No job opportunities
Estimation of baseline situation of		No job opportunities

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parameter		
Future target for parameter		Project will create new job opportunities compared to baseline scenario
Way of monitoring	How	Through evaluation documents for wages paid and social security documents
	When	Yearly
	By who	Project Owner

No		10
Indicator		Soil Condition
Mitigation measure		Restoration of degraded land
Chosen parameter		Land restoration measures implemented
Current situation of parameter		Restoration plans have been prepared and planned to be implemented in 2014 for Cemel I and II and in 2016 for Cemel – III (after construction is completed)
Estimation of baseline situation of parameter		There exists some pits from old sand quarries along river bed.
Future target for parameter		Restoration plan should be applied using proper techniques and species.
Way of monitoring	How	Through site assessment and documents for implementation of plan
	When	Yearly

SECTION H. Additionality and conservativeness



H.1. Additionality

Additionality assessment is performed according to the “Tool for the demonstration and assessment of additionality” approved by UNFCCC. Details are available in PDD

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H.2. Conservativeness

Conservative approach has been followed in calculating baseline emission factors and investment analysis sections as detailed in PDD.

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ANNEX 1 ODA declaration



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www.zeynepenerji.com

30/04/2012

GS1208-CEMEL HYDRO BUNDLE

To: Gold Standard Foundation

Declaration of Non-Use of Official Development Assistance by Project Owner

ZEYNEP ENERJİ ÜRETİM SAN. Ve TİC. A.Ş.

As Project Owner of the above-referenced project, acting on behalf of all project participants, I now make the following representations:

Orhan AKTAŞ

I hereby declare that I am duly and fully authorised by the project owner of the above-referenced project, acting on behalf of all project participants, to make the following representations on Project Proponent's behalf:

I. Gold Standard Documentation

I am familiar with the provisions of Gold Standard Documentation relevant to Official Development Assistance (ODA). I understand that the above-referenced project is not eligible for Gold Standard registration if the project receives or benefits from Official Development Assistance under the condition that some or all credits coming out of the project are transferred to the ODA donor country. I now expressly declare that no financing provided in connection with the above-referenced project has come from or will come from ODA that has been or will be provided under the condition, whether express or implied, that any or all of the credits [CERs, ERUs or VERs] issued as a result of the project's operation will be transferred directly or indirectly to the country of origin of the ODA.

II. Duty to Notify Upon Discovery.

If I learn or if I am given any reason to believe at any stage of project design or implementation that ODA has been used to support the development or implementation of the project, or that an entity providing ODA to the host country may at some point in the future benefit directly or indirectly from the credits generated from the project as a condition of investment, I will make this known to the Gold Standard immediately.

III. Sanctions. I am fully aware that under Section 10 of the Gold Standard Terms and Conditions sanctions and damages may be incurred for the provision of false information related to Projects and/or Gold Standard credits.

Signed:

Name: Orhan AKTAŞ

Title: GENERAL MANAGER

On behalf of : ZEYNEP ENERJİ ÜRETİM SAN. Ve TİC. A.Ş.



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Annex 2 Special Guidance for Run-of River Type HEPP Projects

Management Domain	Minimum Flow Goal is a dynamic flow regime, which qualitatively simulates the natural hydrological regime	Project will not have any diversion therefore it will not cause any decrease in natural flow along the river bed.
	Minimum flow which guarantees habitat quality and prevents critical oxygen and chemical concentrations	Project will not have any diversion therefore it will not cause any decrease in natural flow along the river bed.
	No disconnection of lateral rivers	There is no disconnection of lateral rivers in the project.
	Minimum water depth for fish migration during critical periods	The design of fish passage will be made according to DSI criteria which requires free and continuous flow of water from fish passage. The design has been reviewed by an expert and necessary revisions have been made as per recommendations of the expert.
	Lateral and vertical connectivity (flood plains and groundwater) shall not be substantially disturbed	There will be no disconnection of lateral rivers. Project is a compact, run-of river project and it does not have a storage volume to disturb the underground waters.
	Provides sufficient transport capacity for sediments	Project will have sediment passages to enable transport of sediment. There will be no storage plant in the project plan so sedimentation content shall not constitute any problem. The sediment will be collected in dams at the upstream.

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	Landscape compartments shall not be destroyed	Since the Project does not have a dam but a small weir and turbines are located at the bottom of the weir, minimum land is used. Landscape compartments and flood plain ecosystems will not be endangered as per the project design. There exists a road near the weir locations built before the Project site is mainly surrounded by agricultural lands which are not affected and will continue to be cultivated after project activity. No change in landscape other than weir construction is expected. is implemented.
	Flood plain ecosystems shall not be endangered	Since the Project does not have a dam but a weir, landscape compartments and flood plain ecosystems will not be endangered as per the project design of the project.
	Conservation of locally adapted species and ecosystems	Project site includes manmade structures like roads, sand quarries etc. Project's impact on locally adapted species will be minimum as the land use is limited. Impact on ecosystems will be limited to land used as per the project design. None of the flora and fauna types which have been identified within the project boundaries are within the context of Bern Agreement and they are identified within the category of non endangered species

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		according to IUCN Danger Categories. Project will be implemented in line relevant national regulations including disposal of aggregates, wastes etc as described above.
Hydropeaking	Rate of change of water level should not impair fish and benthic populations	Since the project relies on elevation difference between weir and turbines which are located at the bottom of weir body, level will always be kept at maximum level to efficiently generate water. Therefore, project will not have significant impact on rate of water level.
	Reduction in water level should not lead to drying of the watercourse.	Turbines are located at the bottom of weir body, therefore project will not cause any diversion.
	Protective measures if flood plain ecosystems are impaired.	The project is run-off-river type and is not expected to have an impact on flood plain ecosystem.
	No isolation of fish and benthic organisms when water level decreases	The weir will prevent the isolation of fish and organisms by providing a steady minimal flow, even when water level decreases
	No impairment of spawning habitat for fish	The weir will not affect the spawning habitat for fish as per the project design. The fish passage and minimum flow released from the passage will ensure upward migration and protection of spawning habitat. Land used by the project activity is minimum as per the project design. During construction, continuous flow will be released in the river during construction period.

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Reservoir management	Are there feasible alternatives to reservoir flushing?	Since the project is a run-off-river power plant, it does not feature any storage volume. Unlike the dam reservoirs, a reservoir operation policy cannot be applied to this Project.
	Changes in reservoir levels should not impair lateral ecosystems (flood plains, river shores, ...)	Since the project is a run-off-river power plant, it does not feature any storage volume.
	Connectivity with lateral rivers should not be impaired	There is no intervention in the connection with lateral rivers.
	Sediment accumulation areas should be used as valuable habitats, where feasible.	No significant accumulation is expected as there exist a dam at the upstream. Accumulated sediment will be discharged through sediment passages.
	Special protection of flood plain ecosystems if they are impaired	The project is not expected to have an impact on flood plain ecosystem.
Sediment management	Sediments have to pass through the power plant.	Since, there is no storage and diversion; sediment transport is not considered to be a problem. The sediments will be let out through the gravel pass.
	No erosion and no accumulation in the riverbed below storage dams and water intakes because of a deficit in sediments.	Since the project is a run-off river power plant, it does not feature any storage volume.
	Sediment transport should sustain morphological structures, which are typical for the river.	Project will have a sediment passage to enable accumulation in the river bed. Since the project does not have a conveyance line, water will be released to the river bed just after the weir. Hence, impact on sediment transport is not expected.
	No accumulation of sediments below dams	Since the project is a run-off river power plant, it does not

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		feature any storage volume. The possible sediments will be let through the gravel pass.
	Riverine habitats have to be established	Riverine habitats will not be impacted by the project.
Power plant design	Protection of animals against injury and death stemming from power plant operations (turbines, canals, water intakes, ...)	Necessary precautions will be taken in the power plant to prevent injury to animals during operation. Project does not have any conveyance line. Fences will be installed near the reservoir to prevent injury or animals.
	Free fish migration upwards and downwards (as far as technologically feasible)	Since there will be always water flowing in the original riverbed, free fish migration upwards and downwards will be available. There will be a fish passage to enable fish migration which will be monitored by an expert as stated in monitoring plan.
Social impacts	Cultural landscapes	Cultural Landscapes will not be affected by the project activity. No protected or sensitive area has been detected within the project site.
	Human heritage (including protection of special ethnic groups)	There will not be any social impact on human heritage and way of life since the power plant will not be on any settlement territory. It will help the locals by providing additional employment.
	Preservation of lifestyles	There will not be any disturbance on the current lifestyles.
	Empowerment of local stakeholders in the decision-making process (about mitigation	Local stakeholders will be able to express their views about social impacts at

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	and compensation of social impacts)	stakeholders meetings whereby the project owners would take the proper mitigation measures.
	Resettlement of local population under similar or better living conditions (than prior to the project)	There will not be any resettlement due to project activities.
	Build additional social infrastructure, sufficient to cope with population increase (due to migration induced by the project)	The project will not induce any migration.
	Water quality and fishing losses affecting downstream riverside population	The downstream water quality will not be affected, since the same water flows will be kept downstream.

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Annex 3 Invitations



Sayı: 2541

T.C.
NEVEHİR VALİLİĞİ
AVANOS KAYMAKAMLIĞI

Teslim alan kurum Tarih ve Yetkili İmza

Tema Vakfı 29.06.2012 Orhan Çalik
Adliye YAZI İŞLERİ MÜDÜRÜ



The Gold Standard
Premium quality carbon credits

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29.12.2012 günü
Zeynep Enerji'den
kararından getirilen
aralık elden alınmıştır.

KURŞUM
Fotiz Mert
1402 Sayı

A

~~Gelen Aralık~~

AYRANOS BELEDİYE BAŞKANLIĞI	
Tarih:	29.06.2012
Sayı :	668 Sayısı
Sayı No :	

Okuyul.

Zeynep Enerji'den
gelen aralık teslimi
elden teslim alınmıştır.

İmza Karar
F. Arslan. S. Y.
29.06.2012

Neveehir Arman İst. Md.
Gelen Aralık Sefteri
Sayısı : 855
29.06.2012

T.C.
ORMAN VE SU İŞLERİ BAKANLIĞI
ORMAN GENEL MÜDÜRLÜĞÜ
KAYSERİ ORMAN BÖLGE MÜDÜRLÜĞÜ
NEVEHİR ORMAN YÖNETİME MÜDÜRLÜĞÜ



1402 Sayı

28.06.2012 tarih

İletim Formu



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GB919344

FATURA TARİHİ 29.06.2012 13:57:40
GÖNDERİ TARİHİ 29.06.2012
ÇIKIŞ MERKEZİ AVANOS
VARİŞ MERKEZİ SİNAV

Fatura Seri No - A 230918

GNO - GB919344

Kargo-Takip No - 2242919344051

MÜŞTERİNİN ADI/SOYADI O. ZEYNEP ENERJİ SAN. VE TİC. A.Ş.

ADRES C0 Kapı No:1
AVANOS / NEVŞEHİR - TÜRKİYE

VERGİ DAİRESİ/ve NO

TELEFON NO 03645112576

ALICININ ADI/SOYADI DSİ 12 BÖLGE MÜDÜRLÜĞÜ

KARGO TİPİ NORMAL
TESLİMAT TİPİ STANDART
DESI 0
PAKET TİPİ DOSYA
PARÇA SAYISI 1
HİZMET ADI STANDART DOSYA

TAŞIMA ÜCRETİ 4,80 TL
ADRESTEN ALIM ÜCRETİ 0,00 TL
ADRESE TESLİM ÜCRETİ 1,65 TL
TELEFON İHBAR ÜCRETİ 0,00 TL
TAŞIMA GÜVENCESİ 0,00 TL
DİĞER HİZMETLER 0,00 TL

TOPLAM 6,81 TL
KDV% 1,19 TL
GENEL TOPLAM 7,80 TL

YALNIZ YEDİ TL SEKSEN KR.
ÖDEME TARİHİ 06.07.2012

IBAN NO TR560006400000113900062869
Fatura ID 706A81160G183E4AAE2071G4B6CF82F



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GB919352

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GÖNDERİ TARİHİ 29.06.2012
ÇIKIŞ MERKEZİ AVANOS
VARİŞ MERKEZİ SİRKECİ

Fatura Seri No - A 230927

GNO - GB919352

Kargo-Takip No - 2242919352210

MÜŞTERİNİN ADI/SOYADI O. ZEYNEP ENERJİ SAN. VE TİC. A.Ş.

ADRES C0 Kapı No:1
AVANOS / NEVŞEHİR - TÜRKİYE

VERGİ DAİRESİ/ve NO

TELEFON NO 03645112576

ALICININ ADI/SOYADI DOĞUL HAYAT KÖR DERNEĞİ

KARGO TİPİ NORMAL
TESLİMAT TİPİ STANDART
DESI 0
PAKET TİPİ DOSYA
PARÇA SAYISI 1
HİZMET ADI STANDART DOSYA

TAŞIMA ÜCRETİ 5,80 TL
ADRESTEN ALIM ÜCRETİ 0,00 TL
ADRESE TESLİM ÜCRETİ 1,65 TL
TELEFON İHBAR ÜCRETİ 0,00 TL
TAŞIMA GÜVENCESİ 0,00 TL
DİĞER HİZMETLER 0,00 TL

TOPLAM 7,53 TL
KDV% 1,36 TL
GENEL TOPLAM 8,89 TL

YALNIZ SEKİZ TL SEKSENDOKUZ KR.
ÖDEME TARİHİ 06.07.2012

IBAN NO TR560006400000113900062869
Fatura ID 7253167CE333F443B2BFA39337072F3



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Fatura Seri No A 230916

GNO GB919342

MÜŞTERİNİN
ADI SOYADI Ç. ZEYNEP ENERJİ SAN. VE TİC. A.Ş.

ADRES Cd. Kapı No 1
AVANOS / NEVŞEHİR / TÜRKİYE

VERGİ DAİRESİ ve NO

TELEFON NO 03845112576

ALICININ
ADI SOYADI ENERJİ VE TABİ KAYNAKLAR BAKANLIĞI

KALINIZ SEKİZ TL OTUZİKİKR
ÖDEME TARİHİ 06.07.2012

FATURA TARİHİ 29.08.2012 13:53:18
GÖNDERİ TARİHİ 29.08.2012
ÇIKIŞ MERKEZİ AVANOS
VARİŞ MERKEZİ SÖĞÜTÖZÜ

Kargo-Tamb No 2242919342013

KARGO TİPİ NORMAL
TESLİMAT TİPİ ŞAHSİ TESLİM
DEĞİ 0
PAKET TİPİ DOSYA
PARÇA SAYISI 1
HİZMET ADI STANDART DOSYA

TAŞIMA ÜCRETİ 5,40 TL
ADRESTEN ALIM ÜCRETİ 0,00 TL
ADRESE TESLİM ÜCRETİ 1,65 TL
TELEFON İHBAR ÜCRETİ 0,00 TL
TAŞIMA GÜVENÇESİ 0,00 TL
DİĞER HİZMETLER 0,00 TL

TOPLAM 7,05 TL
KDV% 1,27 TL
GENEL TOPLAM 8,32 TL

IBAN NO TR560006400000113900062869
Fatura ID DAAE56344406E2408930303886E3EF



Fatura Seri No A 230917

GNO GB919343

MÜŞTERİNİN
ADI SOYADI Ç. ZEYNEP ENERJİ SAN. VE TİC. A.Ş.

ADRES Cd. Kapı No 1
AVANOS / NEVŞEHİR / TÜRKİYE

VERGİ DAİRESİ ve NO

TELEFON NO 03845112576

ALICININ
ADI SOYADI ÇEVRE VE ORMAN BAKANLIĞI ÇEVRE YÖNETİMİ GENEL MÜDÜRLÜĞÜ

KALINIZ SEKİZ TL OTUZİKİKR
ÖDEME TARİHİ 06.07.2012

FATURA TARİHİ 29.08.2012 13:57:13
GÖNDERİ TARİHİ 29.08.2012
ÇIKIŞ MERKEZİ AVANOS
VARİŞ MERKEZİ EMEK

Kargo-Tamb No 2242919343475

KARGO TİPİ NORMAL
TESLİMAT TİPİ STANDART
DEĞİ 0
PAKET TİPİ DOSYA
PARÇA SAYISI 1
HİZMET ADI STANDART DOSYA

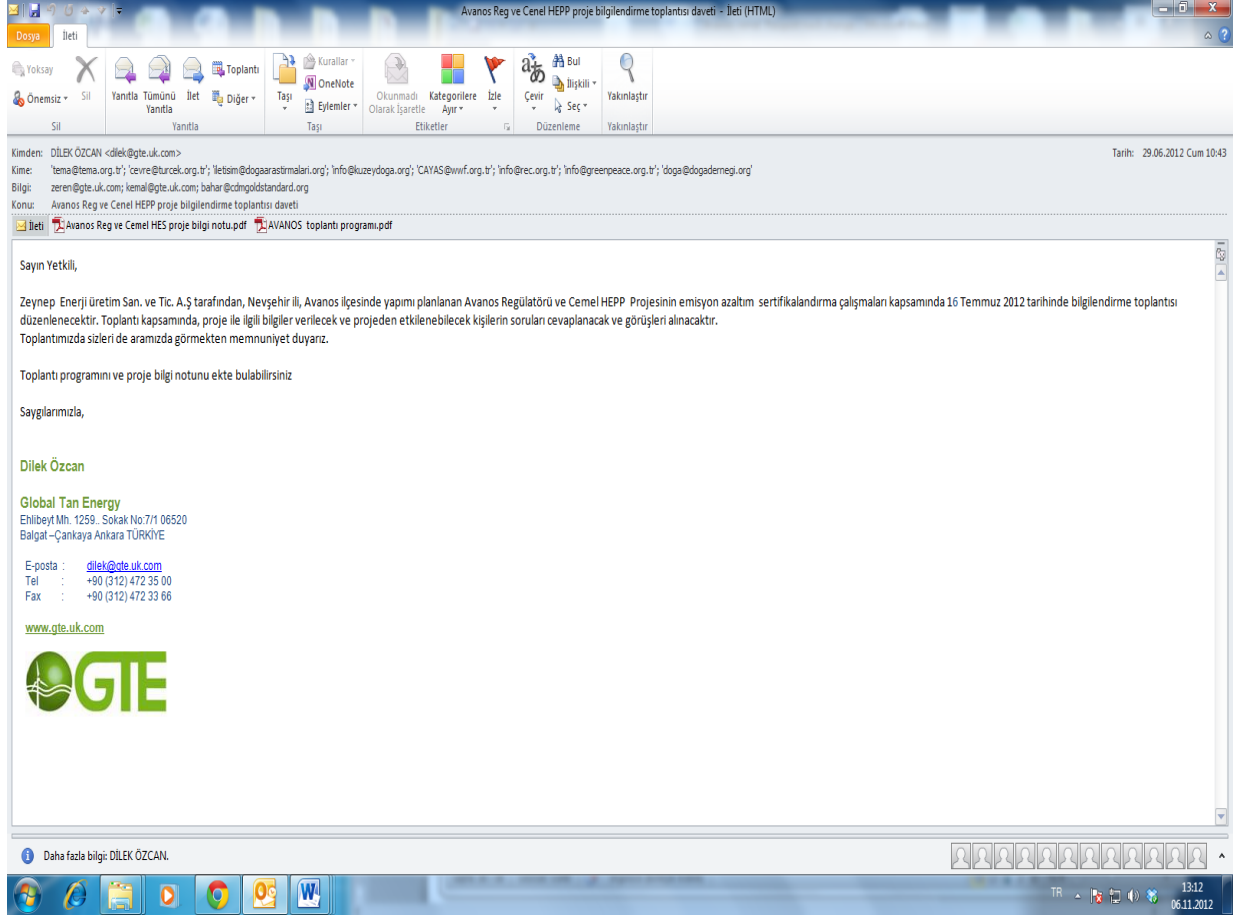
TAŞIMA ÜCRETİ 5,40 TL
ADRESTEN ALIM ÜCRETİ 0,00 TL
ADRESE TESLİM ÜCRETİ 1,65 TL
TELEFON İHBAR ÜCRETİ 0,00 TL
TAŞIMA GÜVENÇESİ 0,00 TL
DİĞER HİZMETLER 0,00 TL

TOPLAM 7,05 TL
KDV% 1,27 TL
GENEL TOPLAM 8,32 TL

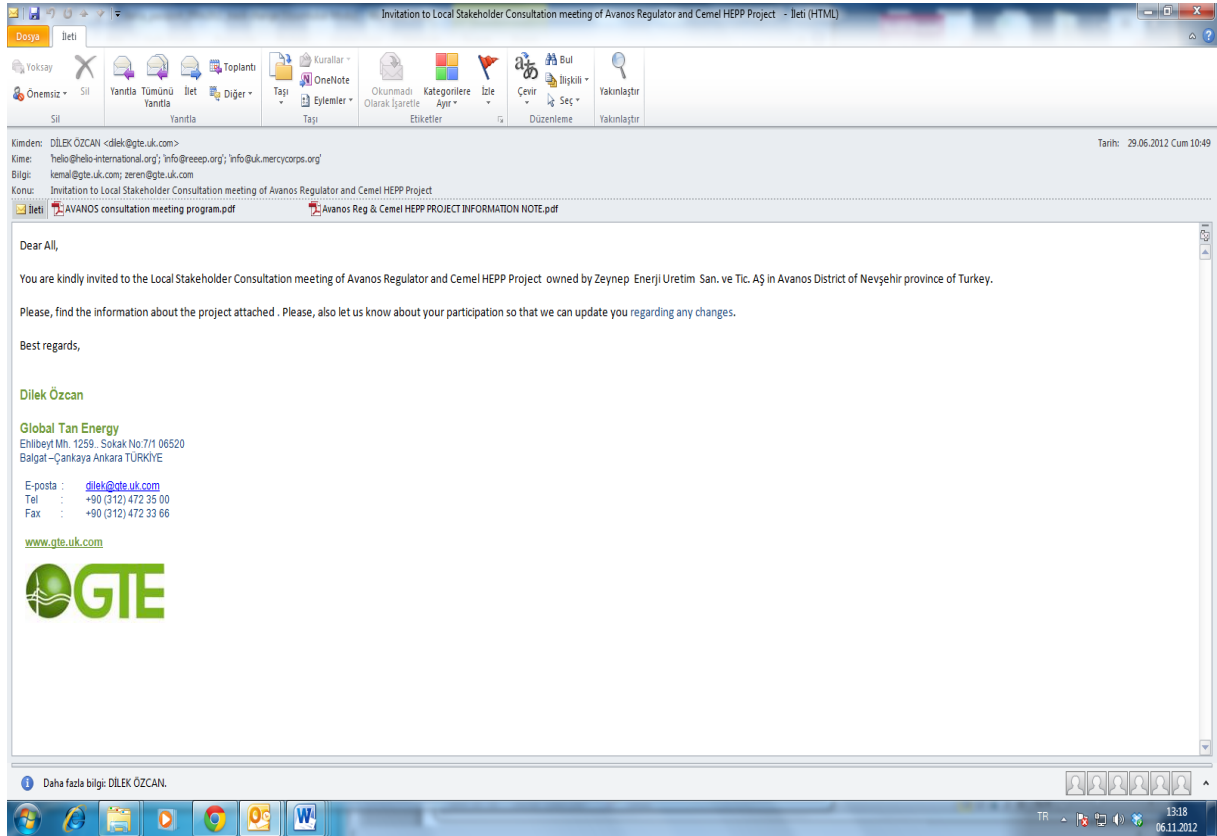
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Fatura ID A191AF0420645548935DE7F0037C7

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NEVŞEHİR KENT HABER

KAYSERİ-NİĞDE-AKSARAY-KIRŞEHİR BÖLGE GAZETESİ

FİYATI: 25 KURUŞ GÜNLÜK SİYASİ GAZETE e-mail: n_kenthaber@mynet.com 02 TEMMUZ 2012 PAZARTESİ

İLAN

ZEYNEP ENERJİ ÜRETİM SANAYİ TİCARET A.Ş.
Avanos Regülatörü ve Cemel Hidroelektrik Santrali Projesi
Bilgilendirme Toplantısı **16.07.2012** Tarihinde Düzenlenecektir.
TOPLANTIYA HALKIMIZ DAVETLİDİR.

TOPLANTI PROGRAMI:
Toplantı Tarihi: 16 Temmuz 2012 **Saat:** 15:00-16:00
Toplantı Yeri: Avanos Belediyesi Toplantı Salonu Avanos / NEVŞEHİR

Program:

- * 15:00 - 15:05 Açılış ve Takdim
- * 15:05 - 15:20 Proje Tanıtımı
- * 15:20 - 15:30 Karbon Ticareti ve Sertifikalandırma Süreci
- * 15:30 - 15:45 Katılımcılardan Gelen Soruların Cevaplanması
- * 15:45 - 16:00 Sürekli Geri Bildirim Sürecinin Tanıtılması Sürdürülebilir Kalkınma Değerlendirmesi
- * KAPANIŞ VE SAHA ZİYARETİ

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Annex 4 PARTICIPATION LIST AND PHOTOS

Zeynep Enerji -Avanos Regülatörü Cemal HES

16.07.2012

BİLGİLENDİRME TOPLANTISI KATILIM LİSTESİ

	Ad Soyad	Kurum/Görev	Adres	Telefon	e-posta	İmza
1	Fatih GÜNEŞDOĞU	DSİ 12. Bölge M. Güv. M. Kocaman / KAYSERİ		3523362850	fgunesdogdu@dsgm.gov.tr	
2	Ali İsmail SAHİN	Kaymakamlık İZİTİM M. Hükümet Konağı		05315897311	ahmet-sahin@izitir.gov.tr	
3	Ali SÖYAL	Sulussaray Köyü		0533617686		
4	Mehmet Cemal	İnşaat M. Güv. M. Kocaman	Sulussaray Köyü	05388776187		
5	Mehmet Cemal	S. M. H. Kocaman		05362122704		
6	Ali İsmail SAHİN	Serbest M. Güv. M. Kocaman	Yusuf Arslan rshani	5927743084	ahmet-sahin@kocman.gov.tr	
7	Erkan Kaya	Avanos Belediyesi	Vahit Çelebi	05448669377	erkanmali@avanos.gov.tr	

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Annex 5 STAKEHOLDER FEEDBACK ROUND EVALUATION FORMS

Tarih: 16.07.2012	Ad Soyad	Ercan Kılıçlı
	Kurum/Köy	Avcılar Belediyesi
	İmza	
Toplantı ile ilgili görüşleriniz Nelerdir?		
Cemal Regülasyonu çalışmalarının halkı bilgilendirme noktasında yapılan toplantı faydalı bulundu.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Tesisin sağlayacağı yararlar hakkında bilgi sahibi olmak açısından çok faydalı.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Detay bilgileri halkın anlayabileceği şekilde teknik terimlerden arındırılarak anlatılması faydalı olur.		

Tarih:	Ad Soyad	Ali SOYAK
	Kurum/Köy	Sulpsaray Köyü Neveşehir
	İmza	
Toplantı ile ilgili görüşleriniz Nelerdir?		
Cemal HES I. II. III Hakkında bilgi verildi.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Türkiye Ekonomisine katkısı		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		



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Tarih: 16-07-2017	Ad Soyad	Mehmet Ceylan
	Kurum/Köy	Suluca Köyü
	İmza	[Signature]
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		

Tarih:	Ad Soyad	Fatih GÜNEŞDOĞDU
	Kurum/Köy	DSİ M. Balge Mcd
	İmza	[Signature]
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Toplantı yer ve zaman seçimi doğru olmaması. HES yapımı- daki bir köyde olabilirdi.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
İletim kanalı olmaması nedeni ile tırmak yatağında her zaman su olması.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		



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Tarih: 16.07.2012	Ad Soyad	Ali Osman ŞAHİN
	Kurum/Köy	İlçe Özel İdare Md.
	İmza	
Toplantı ile ilgili görüşleriniz Nelerdir?		
Ülkemize ve ilçemize için faydalı olacaklarını indireceğim.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Su altında kalan tarım arazisinin miktarı neticedir.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Çevresinde oluşturulacak Güvenlik alanı neticedir.		



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Tarih:	Ad Soyad	Ali Rıza Nar
17.7.2012	Kurum/Köy	Avanos/ Aladdin mah.
	İmza	ulu.ada mevkî
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Bilmediğim konuları öğrendim olumlu geçti		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Dışa bağımlılığı azaltmak		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
projenin olumsuz tarafın olmadığı Kanatındayım.		

Tarih:	Ad Soyad	Osman PEKER
23.07.2012	Kurum/Köy	Avanos Cumhuriyet mah.
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
HES projelerin içinde engaydelsi. Çünkü nehir yatağı değişmiyor. AKİS yonu aynı. İnşaat yapılırken ne çevreye ne doğaya zarar veriliyor.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		



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Tarih: 24.07.2012	Ad Soyad	Mehmet Bağdaşlı
	Kurum/Köy	Avanos
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Toplantıya katılmadım ama olaydan haberdarım		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
elektrik üretimine katkı güzel bir şey ülkeye mülhakkak ki faydalı		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Diğer barajlar suyun tutunca görüntü ve yazın alanı balıkların olumsuz etkileniyor ama Durası suyu kurtulmaya çalışıyor. Olumsuzdur		

Tarih: 23.07.2012	Ad Soyad	Özgür PEKER
	Kurum/Köy	Avanos Ortamohalle
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Gök bilgilendirici bir toplantı olmuştur. Bölgemize hayırlı olmasını temenni ederim.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Bölgeye istihdam sağlaması ve enerji ihtiyacını karşılaması -		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Yoktur.		



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Tarih:	Ad Soyad	Hasan Bağdatlı
24-07-2012	Kurum/Köy	Araps
	İmza	Başkenti
Toplantı ile ilgili Görüşleriniz Nelerdir?		
olumlu		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Enerji Projesi olumlu		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Doğayı korumak kaydıyla olumlu buluyorum		

Tarih:	Ad Soyad	İsmail Koray
24.07.2012	Kurum/Köy	Cumhuriyet Mah.
	İmza	İsmail
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Vatandaşın bilgilendirilmesi açısından olumlu		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Ekonomiye katkısı nedeniyle olumlu		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
- Geri kirliliği - Su kaynaklarının kullanımında, gıftı ve vatandaşın Problem olabileceği endişesi - Ekolojik dengeyi ve su rejimini bozulması nedeniyle sınırları kaybı.		



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Tarih: 24.07.2012	Ad Soyad	Hüseyin Ersoy
	Kurum/Köy	Aranas / Aladın Mahallesi / Karamollu
	İmza	No:17
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Yapılan işi teşekkürle karşılıyorum. yapılan işi destekliyorum.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Olumsuz hiçbir durum yok, olurun karşıları olmaz.		

Tarih: 24.07.2012	Ad Soyad	Nazmi Özgelik
	Kurum/Köy	Aranas / Cumhuriyet Mh.
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Türkiye'nin enerji açısından ihtiyacından dolayı bu projeleri destekliyorum. Doğalgaz gibi bağımlı değil. kendi kaynağımızı kullanıyoruz.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		



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Tarih:	Ad Soyad	Ömer Top
	Kurum/Köy	Cumhuriyet Mah. Muhtar.
	İmza	
Toplantı ile İlgili Görüşleriniz Nelerdir?		
Esnet ölçüğüne için Toplantıya katılmadım.		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Fayda la buluyoruz		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Yok		

Tarih:	Ad Soyad	Mustafa GETE
	Kurum/Köy	Yeni mah. AVAKOS
	İmza	
Toplantı ile İlgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
Enerji Üretilmesi		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
Doğayı bozması suya yaşayan canlıların zarar görmesi ve orman yatağının Değiştirilmesi orman içerisinde değişik bitkilerin oluşması ve çevre zararına terüvermesi.		



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Tarih: 24.07.2012	Ad Soyad	Mustafa Harput
	Kurum/Köy	Alaetti Mah.
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
olumlu		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir?		
olumlu		

Tarih: 24-07-2012	Ad Soyad	 İhsan BALKAN Alaetti Mahallesi Muhtarı
	Kurum/Köy	
	İmza	
Toplantı ile ilgili Görüşleriniz Nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz hususlar nelerdir?		
memleketimize hizmet belotti ilerde işsiz insanlara iş imkanı sağlayabını düşünüyorum. Bilgilendirmelemler Anladığım kadarıyla		
Proje ile ilgili <u>olumsuz</u> bulduğunuz hususlar nelerdir? çevreye zarar vermiyor sanırım		