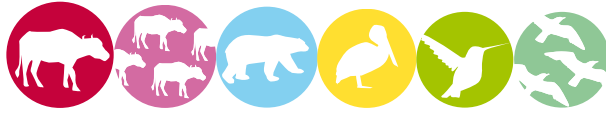


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SECTION A. Project Title

ARALIK HEPP
 Version:08
 Date:07/07/2011

SECTION B. Project description

ARALIK is a 'Run-off-River' type hydroelectric power plant (HEPP) Project located on Aralik River in Borcka District of Artvin Province. The Project will be implemented by KAR-EN Karadeniz Elektrik ve Üretim Ticaret A.Ş. (The company name has recently changed as Artvin Coruh Elektrik Üretim Sanayi ve Ticaret AŞ)



Figure 1. ARALIK HEPP Project Area

The project was granted an operating license by Energy Market Regulatory Agency (EMRA) on 16.05.2006. The project aims to generate energy from the 300 meters fall on Aralik River 1km. upstream before the river merges with Coruh river. The project will maintain steady flow of water to the river to ensure the natural life is unaffected.

The 2682m tunnel enable water flow at a 5.0m³/sec to the turbine, and the water will be left to the river without a change in the chemical composition. The annual electricity energy generation is estimated at 45.15 GWh.

According to calculations based on electricity generation estimates, Aralik HEPP project will result

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in a CO₂ reduction of 25,374 tons per year due to use of renewable resources for electricity generation.

The construction is planned to be completed in 2 years. The plant is planned to be in operation for 46 years and will provide permanent job opportunity for about 12 personnel during the operation phase. Local applicants will be given preference during the recruitment process.








Figure 2. ARALIK HEPP Penstock and Powerhouse Location

Project construction has started on 21/03/2008. Project is operational since may 2010.

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SECTION C. Proof of project eligibility

C.1. Scale of the Project

Project Type	Large	Small
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

	<input type="checkbox"/>
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C.2. Host Country

Host country Turkey has ratified Kyoto Protocol in February 2009 but is not expected to have a cap on GHG emissions.

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C.3. Project Type

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does your project activity classify as an End-use Energy Efficiency Improvement project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please justify the eligibility of your project activity:

Project activity involves construction of a 12.41 MW capacity run-off-river hydroelectric power plant for electricity generation. Project category is included in the sectoral scope 1 “Energy Industry – Renewable Sources” according to the UNFCCC definition.

Pre Announcement	Yes	No
Was your project previously announced?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Carbon credit has been taken into account by project investors in making the project decision to proceed.		

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C.4. Greenhouse gas

Greenhouse Gas	
Carbon dioxide	■
Methane	<input type="checkbox"/>
Nitrous oxide	<input type="checkbox"/>

C.5. Project Registration Type

Project Registration Type	
Regular	<input type="checkbox"/>

	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)
Pre-feasibility assessment	■	<input type="checkbox"/>	<input type="checkbox"/>

If Retroactive, please indicate Start Date of Construction

21/03/2008 is the earliest date of start of construction which corresponds to Construction permission date

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SECTION D. Unique project identification

D.1. GPS-coordinates of project location

	Latitude	Longitude
Weir	41°23'53" N	41°44'06" E
Powerhouse	41°23'36" N	41°41'49" E



Explain given coordinates

Aralık HEPP Project is situated in Borçka District of Artvin Province. The Project is located on Aralık River and close to Aralık Village.

D.2. Map



Figure 3. Aralık HEPP Project Location

SECTION E. Outcome stakeholder consultation process

E.1. Assessment of stakeholder comments

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The preliminary stakeholder meeting has been held on 12th of March, 2009 in Borcka District which is the closest location to Aralik Hydroelectric Power Plants. In general stakeholders' comments were positive about the Project. Scores given by stakeholders have been assessed in preliminary stakeholder consultation report and further discussed during feedback round which is organized on 06/05/2010 in Aralik Hepp Powerhouse considering Gold Standard's comments about preliminary stakeholder consultation.

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

- How will the water be processed and returned to the river bed, and
- Consideration of employment of local people.

Stakeholder Comment	Assessment	Response to comment
How will the water be returned to the river bed?	Responded Promptly	The company had explained the process and ensured that water is returned to the river bed without change in quality and composition and in line with the state regulations.
Job Opportunities. How many people will be employed in the plant?	Responded Promptly	The company recognizes that there is an interest in job opportunities associated with the plant.
What will be the percentage of water to be released to the river bed.	Responded Promptly	The amount is determined by DSI considering water demand in river bed and local needs. In feasibility report this amount 150 L/s has been determined but according to new regulation this has been defined as minimum 10% of natural flow ¹ .
How much electricity will be generated	Responded Promptly	Estimated amount is 45.15GWh which is equal to consumption of 15,000-20,000 houses.

¹ <http://www.mevzuat.adalet.gov.tr/html/21493.html>

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Cost of Project to Government	Responded Promptly	Although the water rights are belong to DSI, since these plants have not been built for long time, implementation of these projects have been outsources. Hence, project will not have any impact on government spending.
Any similar project in Turkey	Responded Promptly	There exists many projects in design and implementation phase.
Impact on tariffs in Borcka	Responded Promptly	No direct impact in local tariffs but will provide more reliable energy source.

All comments from stakeholders are taken into account and promptly responded.

E.2. Stakeholder Feedback Round

Feedback round has been organized in Aralık Hepp Powerhouse considering comments of GS about local consultation meeting. Feedback round has been organized to include all identified stakeholders. SFR has been held as a physical meeting on 06/05/2010 in powerhouse building. Summary of the project documents in Turkish have been distributed to stakeholders and presentation about project and certification processes have been during the meeting. Also, original copies of the documents will be made available to all stakeholders through GTE web page (<http://www.gte.uk.com>). The consultation period has continued for more than 60 days and documents ahve been made available on website meantime.

The SFR meeting has been opened by M.Kemal Demirkol and purpose and agenda of the meeting has been explained. Later, Mr Nihat Dedekli and M.Kemal Demirkol have made presentations about project and carbon certification. During presentation, main issues raised during preliminary meeting have also been shown. Later, questions of participants have been requested. Some technical details about turbines, control equipments and connection have been asked by participants and responded promptly by Mr Nihat Dedekli. After questions, SD matrix have been presented and explained to

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participants and their feedback has been requested for the indicators and meeting has been closed. No have been raised for the SD indicators in addition to the ones raised during preliminary meeting.

Shuttles from Borcka Town and Aralık Village have been provided for interested participants. After the SFR meeting, a site visit has been made with interested stakeholders in powerhouse and weir location.



Figure 4. Site visit after SFR meeting

SECTION F. Outcome Sustainability assessment

F.1. 'Do no harm' Assessment

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Project activities have been analyzed against questions in table 2.6 and in annex H of GS toolkit. Project is not complicit in corruption and fully respects human rights. Also, there exist no identified species under protection in the project area that will be affected negatively by the project.

Project is a run-off-river type project and does not involve use or generation of any hazardous waste. All of the project activity is implemented considering related environmental and safety precautions. Based on the analysis, only relevant areas related to project activity are determined as labour standards and environmental protection which are assessed as given in table below.

Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
Human Rights			
1 The Project respects internationally proclaimed human rights including dignity, cultural property and uniqueness of indigenous people. The Project is not complicit in Human Rights abuses.	Not Relevant. Project activities are not expected to cause any human rights abuse. Turkey has ratified European Convention on Human Right in 10/03/1954 ² .	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 resettlement. There exist an old house which is not used near the weir. It has been mutually agreed by land owner and house has been purchased by project manager (Cumhur Ali Kucukhas) initially which has been expropriated officially for project later	Low	No mitigation measure is required for this indicator

² <http://www.istanbul.gov.tr/?pid=9218> (Accessed on 31/08/2009)

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Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
	(Source: Expropriation records.)		
3 The Project does not involve and is not complicity in the alteration, damage or removal of any critical cultural heritage.	Project does not have any impact on cultural heritage (Pre-EIA page 35.)	Low	No mitigation measure is required
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	Not Relevant. Turkey has ratified ILO 87 and 98 conventions. All staff recruited are employed according to the national legislations. ³	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 ³ .	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.	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	Low	No mitigation measure is required for this indicator

³ <http://www.ilo.org/public/turkish/region/eurpro/ankara/sozlesme/onaylanan.htm>

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Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
	discrimination based on gender is illegal in Turkey. ³		
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. The project activity involves working with high voltage electrical equipments. Therefore measures are taken for increasing awareness about risks and measures.Project will be implemented in compliance law on labour and work safety(#4857)(Pre-EIA page 54)	Low	All labours are trained in terms of work safety and relevant safety protocols. Necessary 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 precautionary principle. This principle can be defined as:”When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically.”	Project do not involve open channel. Fences have been installed around the weir area to prevent any injury. (See pictures above taken after commissioning of the plant during SFR site visit). Project will be implemented in compliance with relevant regulations to minimize impact on environment. ⁴ Blasting activities will be made during tunnelling. Since the blasting will be made inside the tunnel and by licensed operators and it will be made for loosening	Low	Fences will be built around the weir. Trees affected during construction will be replanted after construction is completed. Providing protective equipment for workers.

⁴ Regulation on the Assessment and Management of Environmental Noise(#25862) and Regulation on the Control of Solid Wastes(#20814)

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Safeguarding principles	Description of relevance to my project	Assessment of my project risks breaching it (low/medium/high)	Mitigation measure
	<p>purposes before excavation, it does not expect to cause any risk for locals. In order to prevent workers from dust, masks and googles will be provided. (pre-EIa page 30)</p>		
<p>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) officially proposed for protection, (c) identified by authoritative sources for their high conservation value or (d) recognized as protected by traditional local communities.</p>	<p>There exist no protected (or proposed to be protected), critical habitat or any identified endemic species within the project boundary (Pre-EIA page 35,40). Site studies in the project site has been conducted by an biologist on may 2006 which is described in detail under justifications section below.</p>	<p>Low</p>	<p>No mitigation measure is required for this indicator.</p>
<p>Anti-Corruption</p>	<p>Turkey has ratified several conventions on bribery and corruption including OECD and UN conventions⁵.</p>	<p>Low</p>	<p>No mitigation measure is required for this indicator</p>

⁵ <http://www.masak.gov.tr/en/LaunderingProceedsofCrime/Chronology.htm>

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F.2. Sustainable Development matrix

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
*Air quality	Mitigation measure is not required for this indicator	7.A -Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources) 7.B -7.2 CO ₂ emissions, total, per capita)	Parameter :SO ₂ and NOx emission Baseline Emissions of SO ₂ and NOx due to fossil fuel combustion.	+
*Water quality and quantity	Ensuring that minimum flow will be released from the weir to protect aquatic life in the river bed. Waste water will be collected and disposed as per the regulations.	-	Parameter: Amount of water released and disposal of waste water . Baseline: Natural flow of river, no waste water generation. Quality of water will not be affected by the project activity. Quantity of water released will be monitored to ensure that minimum flow is achieved. Waste water will be collected and disposed in the	0

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			plant.	
Soil condition	Excavation aggregates will be used in construction. Sediment passages and settling basin will be constructed to prevent sediment accumulation in the channel and weir.	-	<p>Parameter: Excavation aggregates, soil erosion and sediment passage</p> <p>Baseline No excavation waste, erosion in the absence of project activity, natural transport of sediment.</p> <p>Excavation wastes will be used in construction work. Remaining(if any) aggregates will be stored appropriate locations. Sediment passage will enable transport along the river. No change in soil erosion will occur due to project activities.</p>	0
Other pollutants	All wastes will be stored, treated and disposed appropriately.	-	<p>Parameter: Solid&liquid Wastes, dust and noise generated during construction and operation phases.</p> <p>Baseline No waste in pre-project scenario</p>	0
*Biodiversity	Ensuring that minimum	-	Parameter: Minimum flow,	0

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	water depth for migration is guaranteed.		water depth for fish migration and plants affected. Baseline: Natural Flow of river.	
Quality of employment	All recruited technical staff will be trained for operation and maintenance of equipment and Health and safety measures. All Health and Safety measurements will be applied as required by local regulations.	-	Parameter: Number of certificates issued/trainings provided. Baseline: No certificate	0
Livelihood of the poor	No mitigation action is required 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)	Parameter: Poverty Alleviation, voluntary contributions Baseline: Living standards in the absence of project activity.	0
Access to affordable and clean energy services	No mitigation action is required for this indicator.	-	Parameter: Fossil fuel replaced Baseline: Imported Natural	0

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			<p>gas dominated electricity grid.</p> <p>Project will decrease dependency on import fossil fuels (Natural gas, Coal and petroleum) compared to baseline scenario.</p>	
Human and institutional capacity	No mitigation measure is required for this parameter.		<p>Parameter: Education&Skills</p> <p>Baseline Less awareness about environmental issues compared to project scenario.</p> <p>Project will contribute increasing awareness about environmental issues of the local people through stakeholder consultation process.</p>	0
Quantitative employment and income generation	Mitigation measure is not required for this indicator.	MDG target 1.B (1.4, 1.5, 1.7 Achieve full and productive employment and decent work for all, including women and young people)	<p>Parameter: Payment made to staff.</p> <p>Baseline: No payment due to project activities</p>	+
Balance of payments and	Mitigation measure is not required	MDG target 8.D (Deal comprehensively	<p>Parameter: Currency saving due to avoided fuel</p>	+

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investment	for this indicator.	with the debt problems of developing countries through national and international measures in order to make debt sustainable in the long term)	import. Baseline: Natural Gas dominated Turkish electricity grid. Project will replace fossil fuel import for electricity generation and result in net foreign currency saving.	
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 enable latest technology transfer to Turkey and influence development of local suppliers and know-how in the country	0
Justification choices, data source and provision of references				
Air quality	<p>Project will decrease use of fossil fuels for electricity generation and prevent particulate matter, SO₂, NO_x and odour which form as a result of incomplete combustion. For ease of monitoring, only SO₂ and NO_x emissions have been selected as monitoring parameter.</p> <p>(Source: National GHG Inventory of Turkey http://unfccc.int/files/national_reports/annex_i_ghg_inventories/national_inventories_submissions/application/zip/tur_2009_crf_13apr.zip)</p>			
Water quality and quantity	<p>Since the project activity is a run-off-river type HEPP, it does not cause any pollution or change in water quality in terms of chemical, biological oxygen demand or any other pollutants. There exists no irrigation activity in the downstream of the weir. The flow released from the weir will be determined by the DSI and can be increased anytime. Minimum flow (required for continuation of aquatic life) has been determined as 10% of average natural flow of last 10 years⁶ by the regulation which can be increased if necessary. 10% of average flow is based on last 10 years' annual flow, therefore, in practice it corresponds to a much higher percentage of flow in dry seasons and most of the time. Flow will be monitored by project owner and recorded. It will also be monitored by DSI via</p>			

⁶ <http://www.mevzuat.adalet.gov.tr/html/21493.html>

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	<p>gauging stations installed along the river bed</p> <p>When the annual flow regime of the river has been observed for 10593 days, It has been determined that firm flow is about 0.335 m³/s(water available for 95% of time in the river bed) and for about 130 days, the river dries completely whereas the flow is below 0.1 m³/s for about 66 days during this period. Hence, seasonal fluctuation is very high as the average flow is around 2.33 m³/s (FSR table 2.10). Considering that minimum flow rate required to operate turbines is around 40%(to prevent cavitation), minimum flow required to operate plant is calculated as 40% of 2.5m³/s(=1 m³/s) + minimum flow required to be released from the weir. Since the flow is below 1m³/s for about 30% of a year(Figure 2.5 of feasibility report), considering the minimum flow released from the weir, it is seen that plant will not be operated for about 40% of a year on the average. Also, since the flow is above 5m³/s (total capacity of two turbines) for about 10% of a year, there will be excess water in most of this period. In addition to flow released from the weir, there will be two springs connected to the Aralık Creek in Demirciler and Osmanbaba neighborhoods. (Feasibility Report Section 2.1.4) which will increase the flow in the river bed above the firm flow calculated. Since there exists two springs carrying about 0.1-0.15 m³/s flow even at dry season, no impact on river habitat is expected. To ensure the impact of the project and issue additional measures if necessary, assessment of adequacy of flow released from the weir will be carried out by an expert.</p> <p>The statement by the expert will refer to relevant analysis methods including fieldwork and observations and based on credible information on the relevant parameters (seasonal variations of water river regime, etc.). In case the considered minimal flow proves not to be sufficient, available alternatives and compensation measures will be included in the report provided by the Expert.</p> <p>During construction phase, water will be used for concrete production, road construction and irrigation which will not generate significant amounts of waste water and absorbed by the soil. Main wastewater sources will be domestic due to domestic use of potable water by staff in plant facilities. Such waste water will be removed in accordance with principles stated in technical limitations regarding septic tanks contained in chapter two of "Technical Methods Notice on Water Pollution Control Regulations" which was published on the Official gazette number 25687 dated 31/12/2004.</p> <p>Project is located at the downstream of the settlement(Aralık Village) and there is no water demand between the weir and the Çoruh River (Pre-EIA page 53)</p> <p>Flora of the project site has been assessed by an biologist in May 2006 via a site visit and literature review(pre-Eia page 35). International conventions and national regulations have been reviewed to identify threatened species also. Vegetation cover and species in construction site has been identified in the pre-EIA report(page 48). Since these species are spread over a wide area, no endangered species or risk of extinction has been identified. Impact due to reduced flow and weir body has been also assessed in expert report. Fish passage and release of environmental flow from the weir has been requested as mitigation measure which is implemented during construction and operation phases. It has also been stated that some species will be disturbed during construction and migrate to other areas but will return back after construction is completed. (pre-EIA page 49)</p>
Soil condition	The project is not expected to induce or increase risk of erosion or earthquake compared to

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	<p>baseline scenario Excavation aggregates will be used in construction therefore no significant erosion is expected in weir site⁷. The region is classified in IV(out of V) class according to Earthquake zone Classification Map of Turkey(Annex 5 and 6). Therefore project will be designed in compliance with regulation date 02/09/1997 (number 23098). Trees cut at penstock area will be replanted by Directorate of Forestry in areas where technically feasible.</p> <p>All wastes will be collected and disposed according to local regulation.</p> <p>During the construction phase, there will be insignificant changes on the topographical structure of the land as a result of certain activities such as excavation and road construction or upgrading. The aggregates from tunnel excavation will be used in concrete production and as filling material for locals (Pre EIA page 18).</p> <p>The sedimentation has been calculated considering flow rate and plant characteristics and a silting basin and passage has been designed with a 1% slope to prevent accumulation in the weir. Collected sediment in silting basin discharged to river bed regularly. Since the river flow shows high fluctuation, the sediment will easily be transported along the river especially during high flow seasons which can carry 59.63 m³/s (Q100) in flood seasons (Project max. Flow rate is 5 m³/s)</p> <p>The sediment passage built as a part of weir will enable sediment transport and also prevent accumulation in weir.</p> <p>(Source: Pre-EIA Report, page 5, Feasibility Report page 4-5)</p>
Other pollutants	<p>Project will not create any wastes(except domestic wastes which will be collected appropriately) during operation.</p> <p>During construction, excavation machines will cause dust and noise which will be minimized through measures as defined in pre-EIA to prevent negative impact.</p> <p>Noise and dust level during construction has been chosen as other source of pollutant which has also been assessed during Pre-EIA (page 24). It has been concluded that even all machines are operated at the same time; the noise limits wouldn't be reached. The nearest location to the project site Aralık village which is about 450m from the construction site. It has been determined that the noise at worst conditions will be below 48dBa. Since the equipment will not work all at same place and time, actual noise will be lower. The equipment used for construction will be in compliance with the "Regulations on environmental noise via equipment used in open land". (pre-EIA page 29)</p> <p>Dust formation has also been calculated in Pre-EIA document. Dust from tunnel, transport and other construction works have been assessed using US EPA . The dust emission has been calculated as 1.2 kg/h which is lower than limits defined by regulation 07/10/2004 and numbered 25606.</p>

⁷ Pre-EIA page 18,33 and Annex 6

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	<p>(Pre-EIA page 24). Since the dust formation is below limits and related to construction period, no monitoring item has been defined.</p> <p>Other solid wastes generated during the construction and operation will be separated for recycling metals, paper etc and deposited appropriately as required by regulations. Solid waste of residential nature generated at the site will be stored in covered containers suitable for short term storage and they will be emptied periodically into the organized waste land of Borcka District, which is the nearest settlement.</p> <p>“Solid Waste Control Regulation” which became effective upon publishing on the Official Gazette by 14/03/1991 (numbered 20814) and other relevant regulations will be observed and wastes will be removed accordingly.</p> <p>Dust formation has been calculated within the scope of pre-EIA and is not expected to reach significant levels as the region is always rainy.</p> <p>There will not be any fresh oil storage in the plant. The oil change in equipments is expected to be made once in a few years. They will not be stored in the plant for long time. If storage is necessary before disposal, appropriate measures will be issued for safely storage of oils.</p> <p>The oil wastes from equipment during construction and operation will be disposed as required by the regulations about control of dangerous wastes and regulation on petroleum and waste oil numbered 22387, 2440-5249 and 4473-7756.</p> <p>(Source: Pre-EIA, page 4, 16)</p>
Biodiversity	<p>Project site does not include any protected area or endemic plant species. The impact of project on flora and fauna has been assessed on site via observations and interviews with locals (pre EIA page 35) and literature surveys. It has been determined that the species in the construction area are common and there is no risk of extinction for these plant species. As fish species, existence of the trout species in the river has been determined by Directorate of Agriculture. Therefore fish passages have been integrated in project design considering existing fish species. The design of the passage is made to guarantee free flow from the passage to enable fish migration and considering the guide published by FAO and used by DSI. Design of weir and fish passage has been approved by State Hydraulic Works Authority. To ensure the impact of the project on fish species in the river and if necessary to identify additional measures, assessment of functionality of fish passage will be carried out by an expert with a relevant</p>

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background and included in monitoring report. The expert report will include references and data relevant to local conditions and fieldwork. Any recommendations or need for additional measures will be discussed in the report.

Also, since the minimum water flow is continuously released to river bed and weir design involves a fish passage with guaranteed minimum depth, enabling upward migration, impact on biodiversity is not expected to be significant. In addition to flow released from the weir, there exists two main springs connecting to river bed at the downstream of the weir which carry minimum 100l/s flow even at dry seasons.

For sediment transport, a passage has been included in weir design to prevent accumulation. Since the project is a runoff river type hepp, it should not store sediment like dam type plants otherwise all the weir will be filled by sediment and project will be useless. For the proposed project a sediment passage has been designed. Sediment from the basin will pass from the sediment passage which also includes a continuous flow to prevent accumulation. In addition to passage at the weir, the stilling basin before the powerhouse also precipitates the sediment and this sediment will be conveyed to the river bed regularly.

As the appropriate mitigation measures are taken during construction, the indicator was scored as zero.

About 84 trees are expected to be cut during construction stage which is mainly on public land. Project owner will try to avoid cutting trees during construction. Exact number will be determined during construction. As a mitigation measure, project owner will make a payment to forestation fund of Directorate of Forestry. Fund collected will be used for plantation of new trees and rehabilitation of existing forest lands.

The measures about minimum flow and trees affected will already be monitored by DSI, Directorate of Agriculture and forestry and relevant government institutions as required by the local regulations. The trees impacts (if any) will be decided and marked by Directorate of Forestry and a payment for planting new trees will be made by project owner. The design of fish passage and minimum flow will be controlled and approved by DSI before grid connection of the project. The flow can be increased by DSI anytime if necessary as per the water right utilization agreement.

(Source: Pre-EIA, page 5, 34, 48-49, Forest permissions)

Quality of employment	Due to Health and Safety regulations and technical skills required for operating equipments, training will be provided to relevant staff. Also, some of the board operators will have training to get certificate for working at high voltage level as requested by local regulations.
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	<p>Trainings and certificates provided will increase their capacity compared to baseline level. The trainings will be renewed for new staff and existing staff if necessary. The most significant risk for the staff would be due to working near the high voltage equipment. In order to prevent risks, staff will be trained by accredited national agencies and certified to work with high voltage equipment. Also, internal trainings will be provided to staff.</p> <p>(Source: Certificates & evidence for trainings to be provided during verification)</p>
<p>Livelihood of the poor</p>	<p>Income of local people employed in the plant will increase as a result of project activities which will also have impact on overall spending in the settlements near project site. According to State Planning Organization statistics, Borcka District is ranking as 295th among 872 District in Turkey in terms of development and has a population decrease of about 9.23%.</p> <p>Project owner makes voluntary contributions to the locals in terms of donation of material and work force for infrastructure of the nearby settlements. Also, to ensure that no negative impact is made in terms of water resources, existence of water springs will be monitored after project implementation also.</p> <p>The closest settlement to the project site is Aralık village (about 500m). Since the project has a tunnel, only structures built are powerhouse and weir. Powerhouse is away from the settlement so has no interaction with locals. The weir site which is closer to settlements has been fenced to prevent any injury locals and their animals. The project has some contributions to locals in terms of new roads and job opportunities but impact in terms of poverty alleviation is limited. Therefore, the scoring was kept neutral.</p> <p>(http://ekutup.dpt.gov.tr/bolgesel/gosterge/2004/ilce.pdf page 144)</p>
<p>Access to affordable and clean energy services</p>	<p><u>Fossil Fuel Replaced</u></p> <p>The project will reduce dependency on fuel and energy import through use of local and renewable resources and help meet national energy demand and enable diversification in the energy supply. According to projections, electricity demand of Turkish grid will increase significantly in coming year. Using local sources will reduce dependency on import fossil fuel and will lead to more sustainable energy services in Turkey. Therefore, this indicator was scored as positive.</p> <p>(Source: Capacity projection 2008-2017, http://www.teias.gov.tr/projeksiyon/KAPASITEPROJEKSIYONU2008.pdf figure 1., page 5)</p>
<p>Human and institutional capacity</p>	<p><u>Education&Skills</u></p> <p>Educational activities which are not part of the usual schooling system, such as environmental training, awareness raising and knowledge dissemination will increase through stakeholder meetings. Also, project will increase human and institutional capacity of the workers in terms of technical skills via trainings. Since the impact will be limited, the scoring was assessed as “0”</p> <p>(Source: stakeholder consultation report, trainings provided to workers)</p>

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Quantitative employment and income generation	<p><u>Payments made to Staff</u></p> <p>About 12 staff will be recruited during operation phase. This will create a significant contribution to the local economy. About 4 local staff are expected to be recruited in the plant if staff with necessary qualification can be identified.</p> <p>(Source: Social security and insurance payment documents, and (http://ekutup.dpt.gov.tr/bolgesel/gosterge/2004/ilce.pdf page 217))</p>
Balance of payments and investment	<p><u>Currency Saving</u></p> <p>Turkey is heavily dependent on import fossil fuel, especially natural gas which is imported, for electricity generation. Project will reduce fuel import and result in net foreign currency saving proportional to electricity generation.</p> <p>(Source: TEIAS: http://www.teias.gov.tr/ist2007/43.xls)</p>
Technology transfer and technological self-reliance	<p><u>Equipment Expenditures</u></p> <p>Project will assist in transfer of new technology for company and in addition, Technological skills of local suppliers and technicians are also expected to increase as a result of trainings provided by the equipment manufacturers. However, since the impact will be limited to the company, indicator has been scored neutral.</p>

Discussion on Special Guidance for run-off-river type hepps.

Minimum flow: Project activity involves diversion of flow from Aralık creek via a conveyance tunnel and discharge to Coruh River. The distance between weir and powerhouse is about 3.5km. Minimum has been determined considering the average flow records of the creek. In order to monitor the impact of project after commissioning, an expert assessment will be carried out and additional measures will be implemented to ensure that the dynamic flow regime resulting from project implementation leads to a minimum flow sufficient at any time to prevent dried river(except natural cases), isolation of fish and benthic organisms, and critical oxygen concentration, as well as to ensure fish migration and guarantee habitat quality.

Impact on lateral and vertical connectivity of rivers: Project will not have any impact on lateral connectivity. In terms of vertical connectivity, since a continuous flow will be released from the weir and since the natural flow shows a high fluctuation and creek also dries in the absence of project, no significant impact on underground table is expected. As per the topography of the region and capacity of the weir, project cannot have any impact on floodplain(see pictures of the weir above).

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Landscape: Project land use is limited to weir, penstock and powerhouse areas. For weir construction, area nearby existing motorway has been used. Similarly, powerhouse has been constructed nearby the motorway. Conveyance line is mainly tunnel (except a short ~85m) box type channel. In terms of landscape change, most significant land use will be for penstock construction which is about 453m between turbines and forebay. Area is owned by government therefore necessary permissions have been provided and fees for planting new trees has been paid to Directorate of Forestry.

Conservation of locally adapted species and ecosystems: Project construction has been implemented in compliance with the Law on "Aqua cultural species Law numbered 1380 and dated 22/3/1971" and relevant regulations on "Aquaculture production and reproduction"⁸ (PIF page 54). Nearly all of the conveyance line is tunnel, therefore land use is limited. Project intervention with river during construction is mainly during weir construction. In order to prevent disturbance to spawning habitat, aggregates in the river bed has been removed after construction is completed, wastewater has been collected in sewage tanks and disposed by the municipality trucks. During operation, measures including release of continuous minimal flow and functionality of fish passage will be monitored and additional measures will be implemented if necessary to ensure upward migration and access to spawning habitat.

No impairment of spawning habitat for fish: Project has been implemented in compliance with relevant regulations on protection of aqua cultural species as given above. Project is located just before the Aralık creek is connected to the Çoruh River, therefore it is important to enable upward fish migration. A fish passage has been built in compliance with DSI and FAO requirements.⁹ Functionality of passage will be assessed by an expert and additional measures will be implemented if necessary. Project's impact on erosion is limited since it mainly involves a tunnel as conveyance line. In order to prevent erosion in penstock route, plantation will be implemented by Directorate of Forestry after construction works are completed

Free fish migration upwards and downwards: Fish passage has been designed considering flow characteristics of the creek and species in the region. Functionality will be assessed by an independent expert and further measures will be implemented if necessary. Fish passage design is made by experienced engineering companies considering the guidance of DSI and FAO¹⁰. Design of the fish passage should be made to enable continuous free flow from the passage as per the guidance. Regarding the functionality of the fish passage, an expert assessment will be carried out after commissioning of the plant and additional measures will be implemented if necessary. In order to identify the species in the creek, Directorate of Agriculture has been contacted and it has been identified that the endemic species (*salmo trytta macrostigma*) does not exist in the river bed (PID page 34,48).

SECTION G. Sustainability Monitoring Plan

No	1
Indicator	Air Quality
Mitigation measure	N/A
Chosen parameter 1.1	SO ₂ emissions by thermal power plants
Current situation of parameter	Project is operational, therefore has started to contribute

⁸ <http://www.mevzuat.gov.tr/Metin.Aspx?MevzuatKod=1.5.1380&MevzuatIliski=0&sourceXmlSearch=>

⁹ www.fao.org/docrep/012/y4454tr/y4454tr.pdf

¹⁰ www.fao.org/docrep/012/y4454tr/y4454tr.pdf

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1.1	reducing SO ₂ emissions.	
Estimation of baseline situation of parameter	Total SO ₂ emission related to electricity generation is about 936.1 Gg for 2007 according to National Inventory of Turkey ¹¹ . Considering that electricity generation in 2007 is 183,339.7 GWh, SO ₂ emission per MWh is calculated as 5.1 kg/MWh.	
Future target for parameter 1.1	SO ₂ emission reduction corresponding to electricity generation.	
Chosen parameter 1.2	NO _x emissions by thermal power plants	
Current situation of parameter 1.2	Project is operational, therefore has started to contribute reducing NO _x emissions.	
Estimation of baseline situation of parameter	Total SO ₂ emission related to electricity generation is about 202.9 Gg for 2007 according to National Inventory of Turkey. NO _x emission per MWh is calculated as 1.1 kg.	
Future target for parameter 1.2	NO _x emission reduction corresponding to estimated generation.	
Way of monitoring	How	Electricity generated proposed project and NO _x and SO ₂ emission data from GHG inventory of Turkey will be used as reference in calculation of the emission reduction.
	When	Yearly
	By who	Project Owner

No	2
Indicator	Water Quality and Quantity
Mitigation measure	Release of minimum flow to protect aquatic life
Chosen parameter 2.1	Flow rate of water released from the weir.
Current situation of parameter 2.1	Flow is released from the weir and fish passage for aquatic life in the river bed.
Estimation of baseline situation of parameter	Natural flow of river course

¹¹

http://unfccc.int/files/national_reports/annex_i_ghg_inventories/national_inventories_submissions/application/zip/tur_2009_crf_13apr.zip ,Worksheet:Table1s1)

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Future target for parameter 2.1		Minimum 10% of last ten years average which corresponds to about 150 L/s flow ¹² .
Way of monitoring	How	Flow measurements from the weir and expert assessment on adequacy of flow released. The expert report will include references and data relevant to local conditions and fieldwork. Any recommendations or need for additional measures will be discussed in the report.
	When	Flow will be monitored continuously by project owner. For cross check, data will be compared by DSI flow records.
	By who	Project Owner
Chosen parameter 2.2		Waste water
Current situation of parameter 2.2		All wastes are collected and disposed carefully as required by the local regulations.
Estimation of baseline situation of parameter		None
Future target for parameter 2.2		Disposal of wastewater as required by the relevant regulations.
Way of monitoring	How	Checking disposal records.
	When	Continuously
	By who	Project Owner

¹² Preliminary EIA Report, page 49

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No		3
Indicator		Soil Condition
Mitigation measure		Excavation wastes used in construction and for building access road.
Chosen parameter 3.1		Storage of excavation wastes in appropriate locations.
Current situation of parameter 3.1		All wastes have been stored appropriately as required by the regulations.
Estimation of baseline situation of parameter		None as there exist no excavation waste.
Future target for parameter 3.1		Disposal of excavation wastes appropriately.
Way of monitoring	How	Through site visits and continuous monitoring during construction. Permissions and records for disposal will be provided during verification.
	When	Once after completion of the construction
	By who	Project Owner
Chosen parameter 3.2		Accumulation of Sediment
Current situation of parameter 3.2		Project is operational, no sediment accumulation has been observed in the river bed.
Estimation of baseline situation of parameter		None as there exist no weir
Future target for parameter 3.2		No accumulation in channel and weir.
Way of monitoring	How	Through site visits
	When	Yearly
	By who	Project Owner
Chosen parameter 3.3		Soil Erosion
Current situation of parameter 3.3		No erosion has been observed due to project activity after implementation of the project has started.
Estimation of baseline situation of parameter		Erosion without project activity.
Future target for parameter 3.3		No erosion due to project activities.
Way of monitoring	How	Through site visits
	When	Yearly
	By who	Project Owner

No		4
Indicator		Biodiversity

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Mitigation measure		Minimum water depth in the fish passage and additional measures if identified by expert.
Chosen parameter		Functionality of fish passage
Current situation of parameter		A fish passage has been built which enables free flow from the weir and upward migration.
Estimation of baseline situation of parameter		None
Future target for parameter		Fish passage enabling upward migration of species in the river bed.
Way of monitoring	How	Monitoring free flow from the fish passage and assessment of functionality of the fish passage by an independent expert. Expert study will include site visit and refer to relevant studies and involve recommendations (if any).
	When	Continuously (for minimum flow)/ once after commissioning of the plant(fish passage functionality.
	By who	Project Owner

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No	5	
Indicator	Biodiversity	
Mitigation measure	Payment for plantation of new trees	
Chosen parameter	Payment made to Directorate of Forestry	
Current situation of parameter	All permissions have been issued and payments have been made for trees.	
Estimation of baseline situation of parameter	None	
Future target for parameter	Minimize the affected trees and make payment for plantation of new trees	
Way of monitoring	How	Checking records for payment
	When	Once after construction is completed
	By who	Project Owner

No	6	
Indicator	Balance of payments	
Mitigation measure	Decrease dependency on fossil fuel through increasing use of local resources.	
Chosen parameter	Currency saving.	
Current situation of parameter	<p>In 2007, about 20.5 billion m³ natural gas been used for about 95,000 GWh electricity generation and more than € 5 billion has been spent.</p> <p>Source: http://www.teias.gov.tr/ist2007/43.xls and http://www.teias.gov.tr/ist2007/36(06-07).xls for generation and fuel consumption. http://www.izgaz-gdftsuez.com/Fiyatlar/19/30/Fiyatlar.aspx for natural gas price.</p>	
Estimation of baseline situation of parameter	Project is operational, therefore it has started contributing use of local resources and currency saving.	
Future target for parameter	Decrease natural gas consumed for electricity generation. In parallel to electricity generation.	
Way of monitoring	How	Through comparing electricity generated by the proposed project and natural gas that would be used to produce the same amount of electricity according to baseline scenario.
	When	Yearly
	By who	Project Owner

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No		7
Indicator		DNH 8- Work Safety
Mitigation measure		All recruited technical staff will be trained for operation and maintenance of equipment and Health and safety measures. Also, staff working with high voltage equipment will be certified (also required by regulations). The trainings will be renewed for new staff and existing staff when necessary. H&S equipments will be distributed to technical staff. Certificates will be kept on site.
Chosen parameter		Training Records and equipments distributed
Current situation of parameter		All technical staff recruited have been trained.
Estimation of baseline situation of parameter		None
Future target for parameter		Technical staff trained and provided necessary H&S equipments required for their job
Way of monitoring	How	Checking records for training and existence of equipments
	When	Yearly
	By who	Project Owner

No		8
Indicator		DNH 9- Precautionary Measures
Mitigation measure		Building fences around the weir
Chosen parameter		Fences and security measures taken
Current situation of parameter		None
Estimation of baseline situation of parameter		Fences have been built around the short channel between weir and tunnel.
Future target for parameter		Fences built around the weir to prevent risk to humans or animals
Way of monitoring	How	Site visits
	When	Yearly
	By who	Project Owner

No		9
Indicator		Other Pollutants
Mitigation measure		Disposal and storage of oil and other wastes appropriately to prevent leakage.
Chosen parameter		Storage and disposal of Oil and other wastes

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Current situation of parameter		Wastes are collected and disposed. Used oil is also stored to be disposed as per the regulations.
Estimation of baseline situation of parameter		None
Future target for parameter		Waste oil will be collected, stored and disposed as required by regulations. Other wastes will be collected, stored and disposed as required by local regulations.
Way of monitoring	How	Through checking disposal records and checking whether any spillage has occurred.
	When	Continuously
	By who	Project Owner

No	10	
Indicator	Quantitative Income Generation	
Mitigation measure	No mitigation measure is required	
Chosen parameter	Locally recruited staff	
Current situation of parameter	More than 12 staff have been recruited. Details will be made available during verification.	
Estimation of baseline situation of parameter	None	
Future target for parameter	12 staff is expected to be recruited. About 4 of them are expected to be chosen from locals.	
Way of monitoring	How	Checking employment records for payment
	When	Annually
	By who	Project Owner

No	11
Indicator	Livelihood of the poor
Mitigation measure	No mitigation measure is required
Chosen parameter	Voluntary contributions made
Current situation of parameter	All contributions given in PDD have been realized.
Estimation of baseline situation of parameter	None
Future target for parameter	Contributions to local community will be made during construction in terms of renovation of roads and public schools, mosques etc. Some of them are; <ol style="list-style-type: none"> 1. Renovation of the existing roads and paving the steep pathways with concrete, 2. Rehabilitation of the village clinic, 3. Renovation of the entrance door and roof of the village mosque, 4. Renovation of entrance door and roof of the village school, 5. Donation of construction material to the

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		<p>village,</p> <ol style="list-style-type: none"> 6. Donating chairs and desks for the village marriage hall, 7. Donation to local NGOs in the region, 8. Renovation of cottages, roof and floor of gendarme border patrol station, 9. Contribution to renovation of social facilities building for teachers, 10. Construction of the village water reservoir, 11. Modernizing announcement and audio system of a school in Borcka, 12. Donating pipes to provide access to drinking water in Taslitarla Village, 13. Rehabilitating the Borcka municipality waste and covering up with earth fill.
Way of monitoring	How	<ol style="list-style-type: none"> 1. Statement of locals/pictures 2. Pictures/statement of locals 3. Statement of locals/pictures 4. Statement of locals/pictures 5. Statement of locals 6. Statement of locals/pictures 7. Statement of locals 8. Statement of locals/pictures 9. Statement of locals/pictures 10. Statement of locals 11. Statement of locals/pictures 12. Statement of locals 13. Statement of locals/pictures
	When	Once after construction is completed.
	By who	Project Owner

No	12
Indicator	Livelihood of the poor
Mitigation measure	Ensuring that water is available and accessible to locals after project is implemented
Chosen parameter	Existence of natural spring
Current situation of parameter	No springs have disappeared due to project activity.
Estimation of baseline situation of parameter	Natural flow of springs.
Future target for parameter	Springs should not be affected due to tunnelling. If any decrease in springs occur, than this should be compensated via providing water and implementing measures

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Way of monitoring	How	Interviews with locals to check whether any springs have disappeared due to project activity.
	When	Once after construction is completed.
	By who	Project Owner

Additional remarks monitoring

SECTION H. Additionality and conservativeness



This section is only applicable if the section on additionality and/or your choice of baseline does not follow Gold Standard guidance

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



ENERGO-PRO GÜNEY ELEKTRİK ÜRETİM
SANAYİ VE TİC. A.Ş.

January 11th, 2011

Re: 12.41 MW ARALIK HYDRO ELECTRIC POWER PLANT

To: Gold Standard Foundation

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

Project Owner - Artvin Coruh Elektrik Uretim Sanayi ve Ticaret A.Ş.

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

Authorized Representative: Boyan Karshakov, Executive Manager

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: Boyan Karshakov

Title: Executive Manager

On behalf of: Artvin Coruh Elektrik Uretim Sanayi ve Ticaret A.Ş., registered in Turkey, with Trade registry number: 96885

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ANNEX 2 Invitations for SFR Meeting

Category Code	Organization (if relevant)	Name of invitee	Way of invitation	Date of invitation	Confirmation received? Y/N
A	Aralık Village Headman	Gürsel TURANLI	Personal Invitation/Newspaper Announcement	29.04.2010	Y
A	-	Local People	News Paper, Announcements, invitation via village heads	29.04.2010	Y
B	Artvin Governor	Cengiz AYDOĞDU	Invitation Letter	15.04.2010	Y
B	Governor of Borcka District	Serdar KARAL	Invitation Letter	15.04.2010	Y
B	Borcka District Special Administration Director	Halit KESKİN	Invitation Letter	15.04.2010	Y

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B	Borcka District Directorate of Ministry of Agriculture	Engin ÖZPINAR	Invitation Letter	15.04.2010	Y
B	Borcka District Directorate of Ministry of Forestry	Nedim TÜYLÜ	Invitation Letter	15.04.2010	Y
B	Borcka Mayor	Oral KÜÇÜK	Invitation Letter	15.04.2010	Y
B	Borcka District Gendarme Commander	Aydoğan ŞAHİN	Invitation Letter	15.04.2010	Y
B	Ministry of Energy and Natural Resources	M. Kemal BÜYÜKMIH ÇI	Invitation Letter	15.04.2010	Y
B	Ministry of Energy and Natural Resources	Budak DİLLİ	Invitation Letter	15.04.2010	Y
B	District Directorate of Environment and Forestry	Ethem BOZ	Invitation Letter	15.04.2010	Y
C	Ministry of Environment and Forestry	Fulya Somunkıran oğlu	Invitation Letter	15.04.2010	Y
D	Borcka District Chamber of Tradesman	Hüseyin ARİFAĞAO ĞLU	Invitation Letter	15.04.2010	Y

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D	Borcka District Municipality Social Support Foundation	Ersin SUNGUR	Invitation Letter	15.04.2010	Y
D	Borcka District Director of Service to the Villages Foundation	İsmail ARSLAN	Invitation Letter	15.04.2010	Y
D	Foundation of Wild Life Protection	Foundation Reps	Invitation Letter/E-Mail	15.04.2010	Y
D	Borcka District Chamber of Tradesman	Hüseyin ARİFAĞAOĞLU	Invitation Letter	15.04.2010	Y
D	Borcka District Municipality Social Support Foundation	Ersin SUNGUR	Invitation Letter	15.04.2010	Y
D	Borcka District Director of Service to the Villages Foundation	İsmail ARSLAN	Invitation Letter	15.04.2010	Y
E	Gold Standard Foundation	Nahla Sabet	E-Mail	20.04.2010	Y
F	WWF	Buket DİVRAK	Invitation Letter/E-Mail	15.04.2010	Y
F	REC – REEEP	Yunus ARIKAN	Invitation Letter	15.04.2010	Y

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F	WWF	Ceren Ayas	E-Mail	20.04.2010	Y
F	REEEP	info@reeep. org	E-Mail	20.04.2010	Y
F	Greenpeace	bilgi@greenp eace.org	E-Mail	20.04.2010	Y
F	Mercycorps	dmcintosh@ uk.mercycor ps.org	E-Mail	20.04.2010	Y
F	Helio	helio@helio- international. org	E-Mail	20.04.2010	Y

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15 Nisan 2010

T.C. Çevre ve Orman Bakanlığı
Çevre Yönetimi Genel Müdürlüğü
Söğütözü Caddesi No.14, Beştepe-Ankara
Tel: 312-207 50 00
Faks: 312-207 62 99

Sn. Dr. Mustafa Şahin
Daire Başkanı

Firmamız KAR-EN KARADENİZ Elektrik ve Üretim Ticaret A.Ş. ile Global Tan Enerji Limited Şti. arasında imzalanan Karbon Ticareti anlaşması gereğince, Artvin ili Borçka ilçesi sınırları içerisinde yer alan ARALIK Hidroelektrik Santrali Projemize yönelik sertifikalandırma işlemleri başlatılmıştır.

Proje'nin tanıtıldığı, İklim Değişikliği, Karbon Ticareti ve Sürdürülebilir Kalkınma Değerlendirme çalışmasının yapıldığı Yerel Paydaşlar Toplantısı 12 Mart 2009 tarihinde gerçekleştirilmiştir. .

Gönüllü anlaşmalar çerçevesinde sertifikalandırılacak Projemiz için "GOLD STANDARD (GS)" değerlendirmesine dayalı bir çalışma yürütülmektedir. Sertifikalandırma süreci kapsamında, Proje'den etkilenen bütün paydaşların katılacağı ve ilk toplantının değerlendirilmesinin yapılacağı "Halkın Katılımı Geri Bildirim Toplantısı" düzenlenmektedir. Bu toplantı sonucunda hazırlanacak rapor, "Proje Tasarım Dökümanı" içinde yer alacak ve değerlendirilecektir. Projemize yönelik olarak GS formatında İngilizce hazırlanan dokümanlar www.gte.uk.com adresinde yayınlanmış olup, Türkçe hazırlanan "Bilgi Notu" ve "Halkın Katılımı Geri Bildirim Toplantısı" ile ilgili toplantı programı ekte tarafınıza gönderilmektedir. Aralık HES Projesi ile ilgili görüşlerinizi yukarıda belirtilen web sayfası aracılığıyla veya toplantı esnasında sözlü/yazılı olarak bildirmeniz de sağlanacaktır.

"Halkın Katılımı Geri Bildirim Toplantısı" 06 Mayıs 2010 tarihinde 10:00–12:00 saatleri arasında **Aralık HES Santral Binası, Aralık Köyü-Borçka** adresinde gerçekleştirilecektir.

Kıymetli katılımlarınızın firmamız için önemli olduğunu tekrar belirtir, konu ile ilgili olarak bilgi ve gereğini arz ederiz.

Saygılarımızla,

Nihat B. DEDEKLİ
Yönetim Temsilcisi

Ekler:

1. Proje Bilgi Notu
2. Toplantı Programı

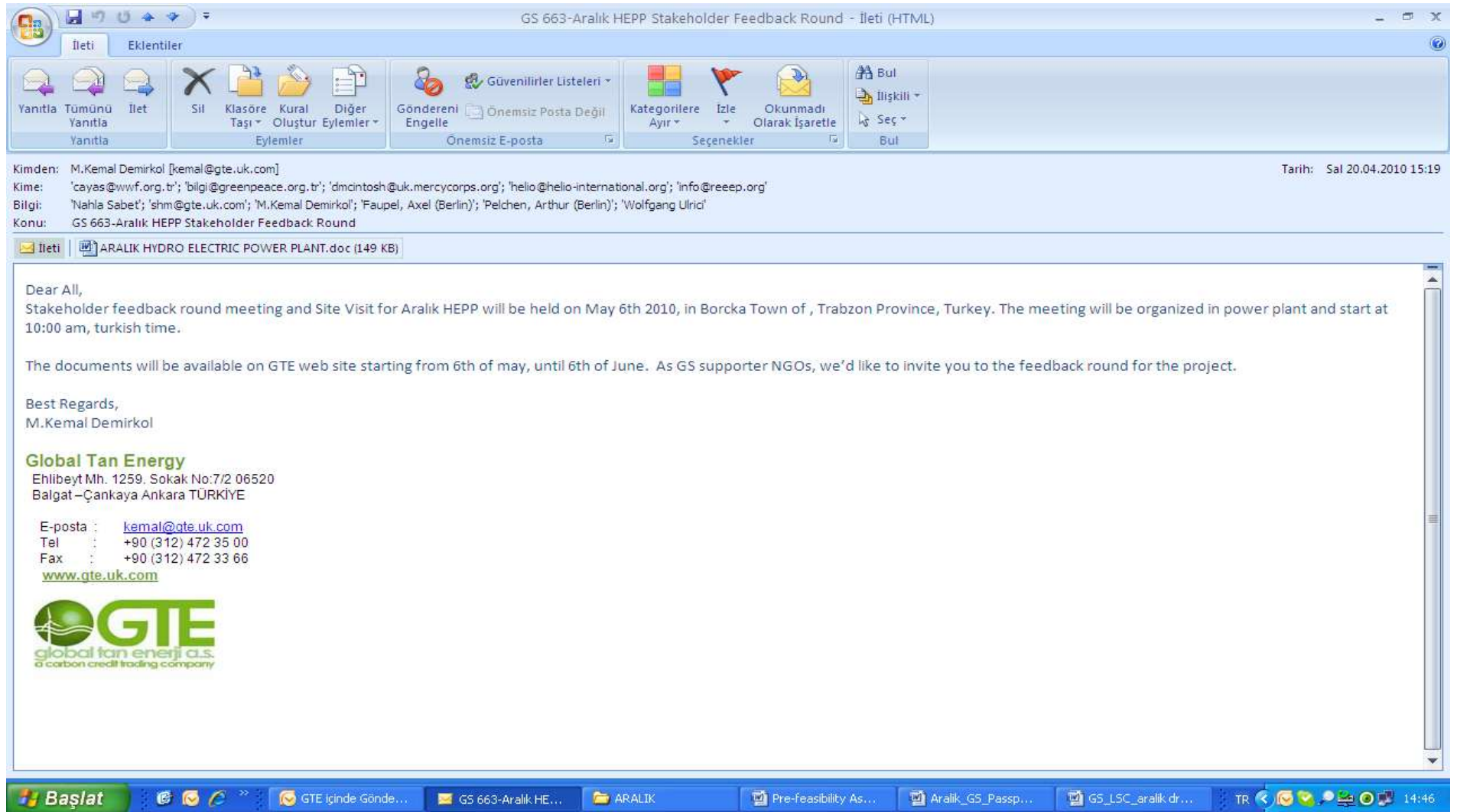


Figure 1. Invitation message sent to GS and supporting NGOs for SFR Meeting

MART

Bağımsız Siyasi Gazete



3 Mayıs 2010 Pazart

Sayı: 6568 Yılı:

Pazartesi - Perşembe Günüel Yayın

Kuruluş Tarihi: 20/10/1

Herri İm Tek Söleir Ca'vi 7.00 TL-4

Gazete Fiyatı: KDV Dahil 0,25

DUYURU VE DAVET

FİRMAMIZ KAR-EN KARADENİZ ELEKTRİK VE ÜRETİM-TİCARET A.Ş. İLE GLOBAL TAN ENERJİ (GTE) LTD ARASINDA İMZALANAN KARBON TİCARETİ SERTİFİKASYON ANLAŞMASI GEREĞİNCE, ARTVİN İLİ BORÇKA İLÇESİ SINIRLARI İÇERİSİNDE YER ALAN ARALIK HİDROELEKTRİK SANTRALI PROJEMİZE YÖNELİK SERTİFİKALANDIRMA İŞLEMLERİ "GOLD STANDARD (GS)" KURALLARINA GÖRE BAŞLATILMIŞTIR. BU PROJE KAPSAMINDA DÜZENLEDİĞİMİZ BİRİNCİ PAYDAŞLAR TOPLANTISI 12 MART 2009 TARİHİNDE BORÇKA HALK EĞİTİM MERKEZİ TOPLANTI SALONUNDA YAPILMIŞ OLUP, GS KURALLARI GEREĞİ İNGİLİZCE OLARAK HAZIRLANAN PROJE DOKÜMANLARI GTE WEB SAYFASINDA (www.gte.uk.com) YAYINLANMIŞTIR.

SERTİFİKALANDIRMA İŞLEMİ KAPSAMINDA GERÇEKLEŞTİRİLEN TOPLANTI İLE İLGİLİ GERİ BİLDİRİM SÜRECİ BAŞLAMIS OLUP, SÖZ KONUSU SÜRECİN 06 TEMMUZ 2010 TARİHİNDE TAMAMLANMASI PLANLANMAKTADIR. ARALIK HİDROELEKTRİK SANTRALI İÇİN HAZIRLANAN PROJE TASARIM DOKÜMANININ TÜRKÇE ÖZETİ VE SÜRDÜRÜLEBİLİR KALKINMA DEĞERLENDİRME FORMU İLE PROJE İLE İLGİLİ İNGİLİZCE OLARAK HAZIRLANAN DİĞER DOKÜMANLARA GTE WEB SAYFASINDAN (www.gte.uk.com) ULAŞILABİLMEKTEDİR.

SÜRDÜRÜLEBİLİR KALKINMA DEĞERLENDİRME FORMUNU DOLDURARAK PROJE HAKKINDAKİ GÖRÜŞLERİNİZİ 06 TEMMUZ 2010 TARİHİNDEN ÖNCE kemal@gte.uk.com ELEKTRONİK POSTA ADRESİNE VEYA 0-312-4723366 NUMARALI FAKSA BİLDİRMENİZİ RİCA EDERİZ.

12 MART 2009 TARİHİNDE GERÇEKLEŞTİRİLEN HALKIN KATILIMI TOPLANTISI İLE İLGİLİ OLARAK GERİ BİLDİRİM TOPLANTISI 06 MAYIS 2010 TARİHİNDE GERÇEKLEŞTİRİLECEKTİR. TOPLANTIYA İLİŞKİN PROGRAM AŞAĞIDA BİLGİLERİNİZE SUNULMUŞTUR. HALKIMIZ VE İLGİLİ KİŞİLER HALKIN KATILIMI GERİ BİLDİRİM TOPLANTISINA DAVETLİDİR.

HALKIN KATILIMI GERİ BİLDİRİM TOPLANTISI:

Toplantı Tarihi : 06 Mayıs 2010 Perşembe

Toplantı Yeri : ARALIK HES Santral Binası, Borçka-Murathı Yolu 3. km Taşhırtarı Mevkii, Borçka- Artvin

Toplantı Programı:

10:00 - 10:20 Açılış ve Takdim

10:20 - 10:40 Proje Tanıtımı

10:40 - 11:00 İlk Halkın Katılımı Toplantısı Sonuçlarının Değerlendirilmesi

11:00 - 11:30 Forum, Soru-Cevap

11:30 - 12:30 Sürdürülebilir Kalkınma Formu Değerlendirme Çalışması ve Saha Ziyareti

KAR-EN KARADENİZ ELEKTRİK VE ÜRETİM TİCARET A.Ş.

Figure 2. Newspaper Announcement

GOLD STANDARD PASSPORT

Gönderi türü (1)

Kabul zincirine lacak

Mektup Havale Kabul merkezi Damgası

(Değerli) koli Diğerleri

Gönderici tarafından doldurulacak

Alıcının

Adı ve Ünvanı **Mahmut DURUN**

Adresi **İlçe Milli Eğitim Müdürlüğü**

Posta kodu ve Varış Yeri **085400 BORDUK**

(2) Alıcının kendisine teslim edilmemesi halinde özel görevlilere verilebilir.

İmza

Varış Yeri Tamamlanacak

Yukarıdaki tarih ve numarası yazılı gönderiyi 200... tarihinde teslim aldım.

Testim eden Personelin İmzası

Varış merkezi Damgası

Muhataplar:

(1) Gönderi sistemindeki lentuya (x) işaretini koymuz.

(2) Özel Kalem Müdürlüğü sekülar gibi görevliler aracılığıyla temas edebilenlere gönderilen alıcının kendisine verilecek işaretili maddelerin göndericilerine imzalatılır.

(3) İmza dışındaki diğer maddelerin alıcının kendisinden başkasına teslimi halinde deldirulur.

Gönderi türü (1)

Kabul merkezinde

Mektup Havale Kabul merkezi Damgası

(Değerli) koli Diğerleri

Gönderici tarafından doldurulacak

Alıcının

Adı ve Ünvanı **Umail ARSLAN**

Adresi **Köylere Hizmet Götürme Müdürlüğü**

Posta kodu ve Varış Yeri **085400 BORDUK**

(2) Alıcının kendisine teslim edilmemesi halinde özel görevlilere verilebilir.

İmza

Varış Yeri Tamamlanacak

Yukarıdaki tarih ve numarası yazılı gönderiyi 200... tarihinde teslim aldım.

Testim eden Personelin İmzası

Varış merkezi Damgası

Muhataplar:

(1) Gönderi sistemindeki lentuya (x) işaretini koymuz.

(2) Özel Kalem Müdürlüğü sekülar gibi görevliler aracılığıyla temas edebilenlere gönderilen alıcının kendisine verilecek işaretili maddelerin göndericilerine imzalatılır.

(3) İmza dışındaki diğer maddelerin alıcının kendisinden başkasına teslimi halinde deldirulur.

GOLD STANDARD PASSPORT

08784826510RR
RR01592848780

Kabul merkezince doldurulacak

Havale Kabul merkezi Damgası

(Değerli) mektup (Değerli) kati Diğerleri

Kabul no:

İslandıcı tarafından doldurulacak

Alıcının { Adı ve Soyadı Nedim TOYLUS
Adresi Osman İskender Meditasyon
Posta kodu ve Varış Yeri 08400 BOLKA
(2) Alıcının kendisine teslim edilmemesi halinde özel görevlilere verilebilir. İmza

Varış Yeri ile tamamlanacak

Yukarıda tarih ve numarası yazılı gönderiyi
..... ile teslim aldım.
Teslim alan: Mr. ...
Soyadı, Kimliği ve İmza

İmza eden Personelin İmzası

Varış merkezi Damgası

Yukarıda yazılı gönderilerin kabulüne ilişkin olarak aşağıdaki bilgileri kabul ederim:
1. Bu gönderilerin kabulüne ilişkin olarak gönderen kurumun Müdürlüğü, Sekreterliği gibi diğer birim aracılığı ile temas edebilenlere gönderilen "Alıcının Kendisine Verilecek" iş resmî maddelerinin gönderilerine imzalamdır.
2. İmza ile ilgili bilgiler: Gönderinin alıcının kendisinden başkasına teslimi halinde doldurulur.

Figure 3. Receipts for Invitations Letters










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ANNEX 3 SFR Meeting Participant List

KAR-EN KARADENİZ ELEKTRİK VE ÜRETİM TİCARET A.Ş.
ARALIK HES PROJESİ

HALKIN KATILIMI GERİ BİLDİRİM TOPLANTISI

6 Mayıs 2010









KATILIMCI ADI VE SOYADI	KURUMU	GÖREVİ	ADRESİ	TELEFONU	İMZASI
Zuhur ENGİN	ET		Aralık 8046		
Çiğdem GENCETURK	Ulusbank		Aralık 8046		
Ulku Peremut	ET		Aralık 8046		
Selma Altınok	Emisyon				
Fatma Hanım	Emisyon				
Özge Öneren	Emisyon		Demirözü	0312 211 1110	
Merve Çelikkaya	Emisyon		Demirözü	0312 211 1110	
M. Gazim ÖZER	Emisyon		Atamanlı	0312 211 1110	
Görsel Barınçlı	Emisyon		Aralık 8046	0312 211 1110	

SAYFA 5/6

KAR-EN KARADENİZ ELEKTRİK VE ÜRETİM TİCARET A.Ş.
ARALIK HES PROJESİ

HALKIN KATILIMI GERİ BİLDİRİM TOPLANTISI

6 Mayıs 2010

KATILIMCI ADI VE SOYADI	KURUMU	GÖREVİ	ADRESİ	TELEFONU	İMZASI
Özge Öneren	Emisyon				--
Merve Çelikkaya	Emisyon				
Ulku Peremut	Emisyon				
Özge Öneren	Emisyon			0312 211 1110	
Murat KEŞKİN	M.E.B.	Öğretmen	Bozulu/Arslan		
Emine Hoşgör	M. E. B. Milli Eğitim Bakanlığı	Öğretmen	Bozulu/Arslan		
Ramazan DEMİR	Emisyon	Çalışan			
Özge Öneren	Emisyon		Aralık 8046		
Özge Öneren	Emisyon	Çalışan	Aralık 8046	0312 211 1110	


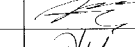
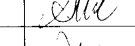
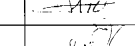

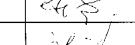
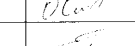
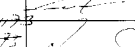
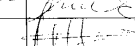
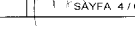
SAYFA 1/6

GOLD STANDARD PASSPORT

KAR-EN KARADENİZ ELEKTRİK VE ÜRETİM TİCARET A.Ş.
ARALIK HES PROJESİ

HALKIN KATILIMI GERİ BİLDİRİM TOPLANTISI

6 Mayıs 2010

KATILIMCI ADI VE SOYADI	KURUMU	GÖREVİ	ADRESİ	TELEFONU	İMZASI
Şeyup Güngör	Enjinör K.B	Müh.	Arslan		
Hakan Şeyup DEMİR	ETKB	Den. Bşk. V.	"		
Engin AKALAN	ETKB	Den. Bşk. V.	"		
Ercan TURANCI	Mühür	"	Arslan köyü		
Selin Gül	Emekli	"	Arslan köyü		
Ali ERANCI	DSİ 26. Bölge	Mühür	"		
Erkan GÜL	"	Köylü	Arslan		
Alihan KÖR	"	Köylü	Arslan		
Mustafa DİĞER	Emekli	"	Arslan köyü	0532 451 1123	
Hakan ÇETİNKAYA	Mühür	"	Arslan köyü		

SAYFA 4 / 6

GOLD STANDARD PASSPORT

Participant list stakeholder consultation				
Date and time: 06 th May 2010 – 10.00 am, 12.30 pm				
Location: Adana, Turkey				
Name participant, job/position in the community	Male/Female	Contact Info	Organisation (if relevant)	Contact details
Zeynep gündogdu	Female		Ministry of Energy and Natural Resources (ETKB)	Ankara -ETKB
Handan Dönmez	Female		ETKB	Ankara -ETKB
Ergun Akalan	Male		ETKB	Ankara -ETKB
Selim Gül	Male			Aralık Village
Ali Şanlı	Male		DSI	DSI Directorate of 26 th Region
Önder Gül	Male			Aralık Village
Musa Özen	Male			Aralık Village
İbrahim Atan	Male			Aralık Village
Hakan Özdemir	Male			Aralık Village
Rahmi Engin	Male			Aralık Village
Faruk Gencturk	Male			Aralık Village
Metin Demirel	Male			Aralık Village
Bulent Demirel	Male		Journalist	
Fatma Kucuk	Male		Journalist	
Seref Sisman	Male		Shopkeeper	Demirciler Village
Özer Şişman	Male			Demirciler Village
Nazim Özer	Male			Atanoglu Village
Çagatay Bayramoglu	Male		Constructor	Taraklı Village
Bahri Ay	Male			Atanoglu village
Arif Keskin	Male			Aralık Village
Ahmet Gül	Male			Aralık Village
Erkan Atan	Male			Atanoglu Village
Murat KEskin	Male		Teacher	Borcka
İsmail Hosgor	Male		Shopkeeper	Borcka
Ramazan Demir	Male		Security Staff	Aralık Village
Volkan Gokdemir	Male			Borcka
Osman Kurtuluş	Male		Municipality Police	Borcka

ANNEX 4 Original Feedback Forms

Name	Impressions about Meeting	Positive	Negative
Şükrü Çerçi	Positive	Sensitive for environmental issues and	None

GOLD STANDARD PASSPORT

		beneficial	
Necdet Ozcelik	What will be the benefit for municipality	-	-
Şeref Şişman	Meeting was very positive	-	-
Ergün Akalan	Meeting was necessary and important for informing local people and government agencies	Capacity factor of the project, net head and project technology	Use of local technology is not very high
Bülent Atasert	Communication with relevant agencies for cheaper energy supply	Informing locals and public institutions about project	More participation from locals should be achieved.
Fatma Küçük Atasert	Efforts for using cheaper energy is positive	Thanks for the meeting.	-
Hızır Kesin	-	-	-
Erkan Atar	The issues raised in the meeting were detailed and useful	-	-
Gürsel Turanlı	Meeting for informing local was useful	Job opportunities created, flows were used to generate energy	Impact on nature was negative but it will recover in time.
Ali Şanlı	-	Clean energy and preventing foreign exchange deficit.	Flow reduced in river bed would have negative impact on biodiversity.
Handan Zeynep Dönmez	Useful informing community	Use of renewable resource, reduction of CO2 emission and foreign dependency.	-
İsmail Hosgor	Information was useful	Contribution to reducing energy deficit is useful	-
Cagatay Bayramoglu	I am supporting since energy is needed for Turkey	Project is positive. Impact on nature is very low.	None



GOLD STANDARD PASSPORT


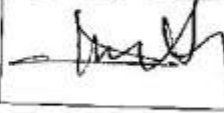
	to grow		
Ramazan Demir	Positive	Hope generation is successful	None
Önder gül	-	Contribution to economy and creating limited job opportunities	-
Selim Gül	Meeting was good	Contribution to economy	-
Rahmi Engin	Information was useful	Generation and contribution to public is good.	Landscaping has not been completed yet.
Nazım Ozer	Positive	-	-
Hakan Özdemir	Thanks for informing us	As we need energy nowadays, the impact on national economy and local economy during construction is positive	Only negative impact was temporary impact on environment during construction. However, since the nature recovers itself very easily in this region, it is not very significant.
Zeynep günaydın	The participation from locals were limited but meeting was good	In order to reduce foreign dependency, use of renewable resources and reducing foreign dependency is useful	It may not be called negative but a protection line around turbines might be useful.



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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Şükri ÇELİK
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
olumlu		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Güvene Düşük ve Faydalı		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
YOK		



 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Nejdet ÖZELİK
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Belediye ve ne gibi faydalanacak		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		



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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Şeref Eren
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Çok güzel geçti.		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Ergün AKALAN.
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Halkın ve yerel yetkililerin katılımının sağlanması önemli ve gerekli bir toplantı oldu.		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
<ul style="list-style-type: none">- Proje raporunda kullanım oranı,- Net gelirler- Teknoloji fiyatları oldukça iyi bir proje		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		
<ul style="list-style-type: none">- Yerli teknoloji kullanım oranı yeterli kadar fazla değil		



GOLD STANDARD PASSPORT

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Bülent Atasert
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Ucuz enerji olgısını için ilgili kurumlara bilgilendirme yapmak.		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Proje gerek halka ve gerekse konuya gerekli ilgili kurumlara ana ana tebranlar ^{bilgi} verilmesi		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		
Halkın daha fazla katılımı yaptırılması		



 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Fatma KGÖK Atasert
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Kişisel ve yerel olarak ucuz enerji tüketmek için çalışmalar yapmanızı		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Gayet olumlu ve anlamlı toplantı için teşekkür ederiz.		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		
—		



GOLD STANDARD PASSPORT

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Hızır Kestio
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Yok		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Yok		

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Erkan Altın
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Toplantı der. yapılan konular abdaylı ve güzel anılarda yapıldı		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		

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 GTE GLOBAL TAN ENERGY LIMITED	Ad Soyad	Gürsel TURAN
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Bilgi toplantısını yapılması olumlu bulduğumu söyleyebilirim		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Vatandaş iş. imkanı sağlandı boş Akın Sığan Enerjiye dönüşmesi sevindirici		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Doğruyi talep Etir Ama zorunlu değil		


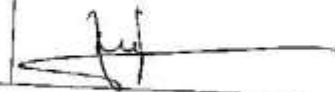
 GTE GLOBAL TAN ENERGY LIMITED	Ad Soyad	Ali ŞANLI
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Temiz Enerji ve dış ülkelere dönüşü finansiye önlemek		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Dere yataklarını biyogazlık olarak olumsuz yönde etkileyecektir. Dsu miktarının azalması ile		





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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Kerem Zeynep Dönmez
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Toplumu Bilgiye göre değerlendirilebilir.		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Yenilenebilir enerji kaynakları olması CO2 emisyonunu azaltması, dışa bağımlılığı düşürmesi		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
—		

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	İsmail Hızgâz
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Bilgiye göre değerlendirilebilir.		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Ülkemizin enerji arzına katkı sağlama olumlu katkıları		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
—		

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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Çağrı BAYRAMOĞLU
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Türkiye'nin denizde söz sahibi olabilmesi için enerji ihtiyacı olduğunu bilinceinde olduğumuzla destekleyem		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Matematiksel olarak Olumlu bir projeye, depoya göre para etkili olacaktır		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Yok		



 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Ramazan Demir
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Olumlu Geçti		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Uzetime ilişkin iyi geçti		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Yok		



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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Önder GÜL
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Ekonomiye katkı sağlıyor Araştırma isteklerini sağlamıştır		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		


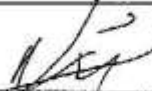
 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Selim Gül
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
İyi olmuştur		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Ekonomiye katkı sağlıyor		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		
-		





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 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Rahmi ENGİN
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Bilgilendirme ikt.		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
Elektrik bütçesi ve devlete katkısı ikt.		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		
Çevre düzeninin daha yapılması. Bunun yapılması gerektir.		

 GLOBAL TAN ENERGY LIMITED	Ad Soyad	Nazım ÖZEL
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Proje ile ilgili olumlu bulduğunuz konular nelerdir?		
olumlu buldum		
Proje ile ilgili olumsuz bulduğunuz konular nelerdir?		

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 GTE GLOBAL TAN ENERGY LIMITED	Ad Soyad	HAKAN ÖZDEMİR
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Olaya sadece ticari gözetle bakmadığımız ve insanları bilinçlendir- diğimiz için teşekkür ederiz.		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Enerjiye ihtiyacımız olan çis zamanla ülke ekonomisine getirdiği fayda ve yapımı aşamasında bölgenin olan ekonomik katkısı.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Tek olumsuz bulduğumuz konu çevreye verilen zararlı tahribat fabrikaların kendileri kolay yanlılığı bir bölgede yaşadığımız için burada olumsuz bir sebep olarak düşünmek yanlış olur.		

 GTE GLOBAL TAN ENERGY LIMITED	Ad Soyad	Zeynep GÜNAYDIN
	İmza	
Toplantı ile ilgili görüşleriniz nelerdir?		
Falken katılımı sürekli olmasına rağmen olumlu geçen bir toplantı oldu.		
Proje ile ilgili <u>olumlu</u> bulduğunuz konular nelerdir?		
Türkiye'nin enerji arzına katkıda bulunması açısından her yenilenebilir enerji kaynağının elektrik üretimi kullanılmasının ve dışa bağımlılığın azaltılmasının olumlu olduğunu düşünüyorum.		
Proje ile ilgili <u>olumsuz</u> bulduğunuz konular nelerdir?		
Olumsuz denemez ama iş güvencesi açısından özellikle türbin kenarları için bir koruma sistemi yapılması gerektiğini düşünüyorum.		

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