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Annex 1 ODA declarations

**SECTION A. Project Title**

Aliağa Wind Power Plant

**SECTION B. Project description**

Bergama RES ~~Elektrik-Enerji~~ Üretim A.Ş. plans to build a wind power plant in order to utilise renewable energy resources to generate electricity in İzmir Province. Aliaga Wind Power Plant has a total installed capacity of 90 MW. The project involves the installation of 36 wind turbines, each having a capacity of 2.5 MW, in Aliaga Borough, İzmir Province in Aegean coast of Turkey. The turbines will be located on four hills namely; Danişment, Dutluyayla, Halayık and Sıyırdım.

~~The construction period is expected to be 32 months as 16 months for pre-construction activities and 16 months for works.~~ The electricity generated will be ~~transmitted~~ connected to the national grid via ~~48-21~~ km transmission line and the annual electricity generation is calculated as 275,800,782 MWh. This will reduce approximately ~~16374,781000~~ tonnes of CO<sub>2</sub>e per annum. Therefore, The project contributes to environmental protection by reducing GHG emission caused by electricity generation using thermal resources.

Turkey, being in a region where ~~the~~ continuous and powerful wind resources are available, has great potential to utilise environmental friendly, renewable resources for electricity generation. This will also stimulate the economic development by lowering energy costs and the dependency on imported ~~resources~~ fossil fuels like natural gas and oil. In addition, technological development will also benefit from ~~these~~ kinds of renewable energy projects. New investments ~~on-related to the various spectrum of wind production of wind-turbine industry s~~ in Turkey have been observed recently<sup>1</sup>.

~~Considering all those positive impacts, firstly, the project will contribute to environmental protection by reducing GHG emission caused by electricity generation with thermal resources. Secondly, the country will benefit the lowered energy prices and dependency on imported energy resources as renewable energy projects become widespread. The wind power, being an infinite and natural resource is more economical than other choices. Finally, the project will contribute to technological development by heading environmental friendly means of energy production.~~







<sup>1</sup> [http://www.yapi.com.tr/Sektorden/ge-turkiyede-ruzgar-icin-fabrika-kurup-bolgesel-ussu-yapmak-istiyor\\_75338.html](http://www.yapi.com.tr/Sektorden/ge-turkiyede-ruzgar-icin-fabrika-kurup-bolgesel-ussu-yapmak-istiyor_75338.html) and [http://www.yapi.com.tr/Haberler/gaziantep-osbye-enerji-santrali\\_1144.html](http://www.yapi.com.tr/Haberler/gaziantep-osbye-enerji-santrali_1144.html)

**SECTION C. Proof of project eligibility**

**C.1. Scale of the Project**

[See Toolkit 1.2.a]

Please tick where applicable:

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

**C.2. Host Country**

Host country is Republic of Turkey. Turkey ~~and she~~ does not have any quantitative reduction target under the Kyoto Protocol.

**C.3. Project Type**

[See Toolkit 1.2.c and Toolkit Annex C]

Please tick where applicable:

Project type	Yes	No
Does your project activity classify as a Renewable Energy project?	<input checked="" type="checkbox"/> *	<input type="checkbox"/>

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Does your project activity classify as an End-use Energy Efficiency Improvement project?	<input type="checkbox"/>	<input checked="" type="checkbox"/> ✖
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Please specify your project type:

<a href="#">The project is a new grid-connected wind energy project</a> (Renewable Energy )
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Pre Announcement	Yes	No
Was your project previously announced?	<input type="checkbox"/>	<input checked="" type="checkbox"/> ✖
Explain your statement on pre announcement		

### C.4. Greenhouse gas

[See Toolkit 1.2.d]

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

**C.5. Project Registration Type**

[See Toolkit 1.2.f]

<b>Project Registration Type</b>			
Regular		<input checked="" type="checkbox"/>	x
Pre-feasibility assessment	Retro-active projects (T.2.5.1)	Preliminary evaluation (T.2.5.2)	Rejected by UNFCCC (T.2.5.3)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SECTION D. Unique project identification**

**D.1. GPS-coordinates of project location**

[See Toolkit 1.6]

<u>Turbine No</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
<u>Latitude N</u>	380 55' 7.3838"	380 54' 58.3602"	380 54' 49.1128"	380 54' 39.5428"	380 54' 29.7919"	380 54' 19.6102"	380 54' 8.8708"	380 53' 59.0679"	380 53' 49.5377"
<u>Longitude E</u>	270 12' 20.03116"	270 12' 25.43237"	270 12' 30.78585"	270 12' 33.05612"	270 12' 35.15977"	270 12' 35.07789"	270 12' 33.37567"	270 12' 32.59729"	270 12' 37.34157"

<u>Turbine No</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>
<u>Latitude N</u>	380 55' 13.7393"	380 55' 3.7754"	380 54' 54.0488"	380 54' 44.9633"	380 54' 36.2990"	380 54' 26.5547"	380 54' 17.0909"	380 54' 7.7013"	380 53' 59.8989"
<u>Longitude E</u>	270 11' 36.72474"	270 11' 37.77742"	270 11' 39.18343"	270 11' 43.86103"	270 11' 49.686"	270 11' 48.58283"	270 11' 51.67789"	270 11' 55.25706"	270 12' 2.754782"

<u>Turbine No</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>
<u>Latitude N</u>	380 53' 50.6969"	380 54' 48.1231"	380 54' 37.5314"	380 54' 30.3223"	380 54' 22.2483"	380 54' 13.4900"	380 54' 4.2087"	380 53' 53.3885"	380 53' 45.6545"
<u>Longitude E</u>	270 12' 7.014204"	270 10' 46.47183"	270 10' 53.07111"	270 10' 56.77304"	270 11' 4.671697"	270 11' 10.5533"	270 11' 14.18554"	270 11' 13.8483"	270 11' 22.39688"

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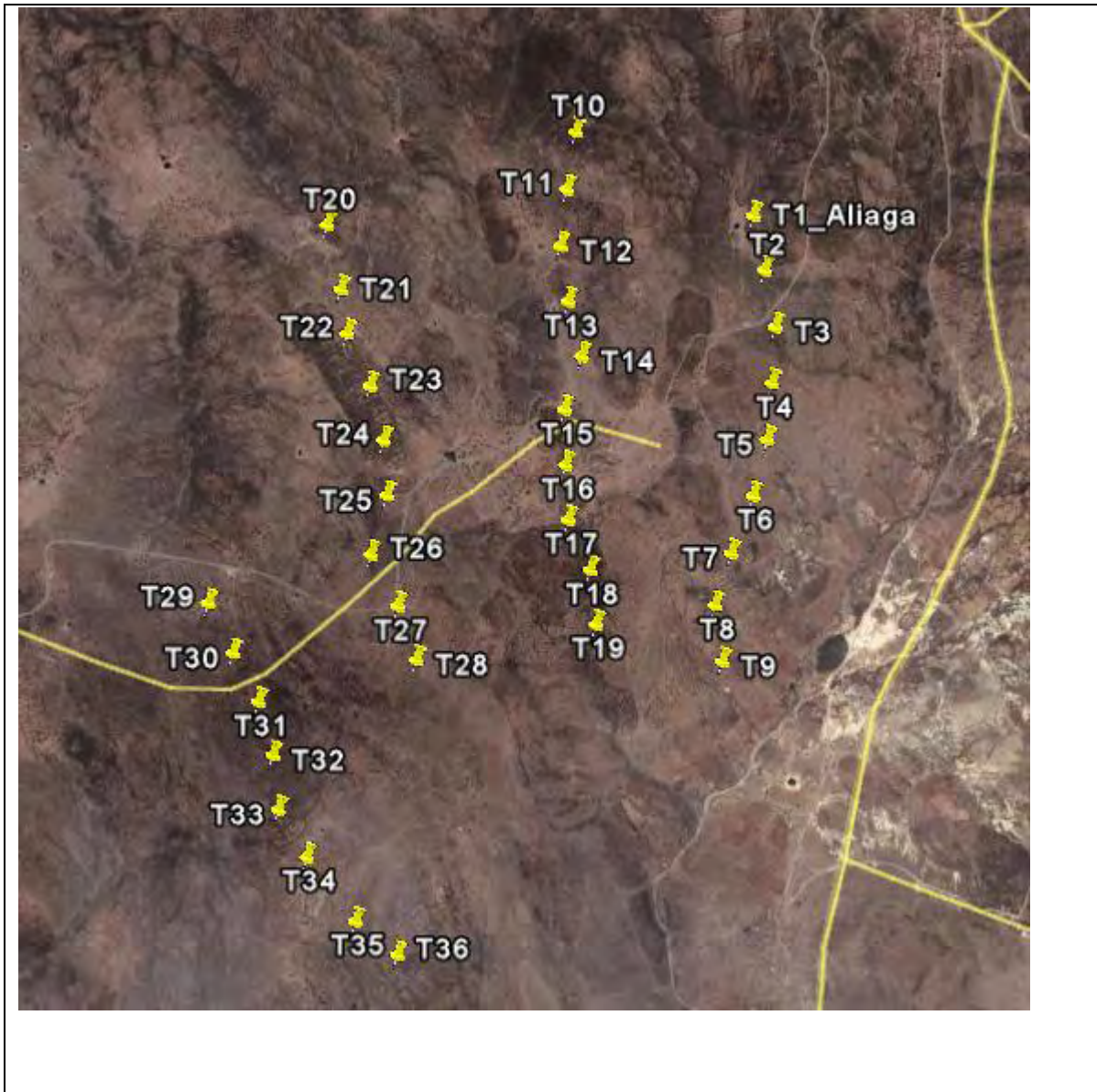
<u>Turbine No</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	<u>32</u>	<u>33</u>	<u>34</u>	<u>35</u>	<u>36</u>
<u>Latitude N</u>	<u>380</u> <u>53'</u> <u>37.1520"</u>	<u>380</u> <u>53'</u> <u>38.2058"</u>	<u>380</u> <u>53'</u> <u>30.5914"</u>	<u>380</u> <u>53'</u> <u>23.1916"</u>	<u>380</u> <u>53'</u> <u>14.2829"</u>	<u>380</u> <u>53'</u> <u>4.9605"</u>	<u>380</u> <u>52'</u> <u>57.8071"</u>	<u>380</u> <u>52'</u> <u>48.5874"</u>	<u>380</u> <u>52'</u> <u>44.3829"</u>
<u>Longitude E</u>	<u>270</u> <u>11'</u> <u>29.27615"</u>	<u>270</u> <u>10'</u> <u>40.28094"</u>	<u>270</u> <u>10'</u> <u>48.18636"</u>	<u>270</u> <u>10'</u> <u>56.30139"</u>	<u>270</u> <u>11'</u> <u>1.906591"</u>	<u>270</u> <u>11'</u> <u>5.964212"</u>	<u>270</u> <u>11'</u> <u>14.86509"</u>	<u>270</u> <u>11'</u> <u>29.19314"</u>	<u>270</u> <u>11'</u> <u>40.37758"</u>



*Explain given coordinates*

**[Not Applicable]**

**D.2. Map**



**SECTION E. Outcome stakeholder consultation process**

**E.1. Assessment of stakeholder comments**

<b>Stakeholder Comment</b>	<b>Assessment</b>	<b>Response to comment</b>
<p><u>Providing electricity supply to the water pumps of the villages and improvement of the present water supply system.</u></p>	<p><u>The electricity generated by the project will be fed to the national grid in accordance with the terms of licence.</u></p> <p><u>Electricity is fed into the grid at</u></p>	<p><u>The developer will do what is reasonably within its powers to procure these services for the local communities from the responsible authorities through alternative means.</u></p>

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	<p><u>154,000 volts but a water pump will run at 240 volts. It is not possible to step the current down to this level .</u></p> <p><u>An improvement of the water supply system would certainly contribute to the overall wellbeing of the community around the Project on grounds of health and economic development. However, such services are normally the duty of local government agencies to provide.</u></p>	<p><u>However, it does not feel it should be obliged to provide them from its own electricity as the cost would be prohibitive. The request should not hold up either the physical development of the project or its carbon asset development.</u></p> <p><u>As a result, the design of the project will not be changed – but assistance will be given in making the case for the improvements.</u></p>
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Stakeholder Comment	Assessment	Response to comment
<p><u>Providing electricity supply to the water pumps of the villages and improvement of the present water supply system.</u></p>	<p><u>The electricity generated by the project will be fed to the national grid in accordance with the terms of licence.</u></p> <p><u>Electricity is fed into the grid at 154,000 volts but a water pump will run at 240 volts. It is not possible to step the current down to this level locally.</u></p> <p><u>An improvement of the water supply system would certainly contribute to the overall wellbeing of the community around the Project on grounds of health and economic development. However, such services are normally the duty of local government agencies to provide.</u></p>	<p><u>The dev within its the local authoritie</u></p> <p><u>However to provid cost wor not hold the proje</u></p> <p><u>As a res be chan making t</u></p>

### E.2. Stakeholder Feedback Round

Please describe report how the feedback round was organised, what the outcomes were and how you followed up on the feedback.

The Stakeholder Consultation Meeting for Aliğa Wind Power Plant was held on 07 November 2008 at 14:30 in İsmaili Village. All the stakeholders including central and local governmental agencies, local NGOs and GS endorsed NGOs were invited by faxes and emails. The mukhtars of the villages (İsmaili, Atçılar and Yüksekköy) close to the Project site were visited and invited to the meeting. The meeting date and place was announced in a local (in the 43<sup>rd</sup> issue of Bakırçay Local Newspaper, published on 29/10/2008) and a nationwide newspaper (Posta, published on 5<sup>th</sup> of November all over Turkey)

The mukhtar, as a representative for villagers, will be kept informed about the revisions by phone calls. A site visit will be organised to finalise the plan for remediation on the water supply system.

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The other stakeholders attended to meeting will be informed by faxing the report and the summary of PDD.

The contact details of the project developer have been distributed to the villagers with the non-technical summary during the meeting.

The Local Stakeholder Consultation Report, PDD and passport will be published for international comments in web address below:

<http://www.jpmorganclimatecare.com/projects/consultations/>

<http://www.climatecare.org>[FS1]

[RT2]

**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
<u>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.</u>	<u>Not Relevant</u>	<u>N/A</u>	<u>N/A</u>
<u>2. The project does not involve and is not complicit in involuntary resettlement.</u>	<u>Not Relevant</u>	<u>N/A</u>	<u>N/A</u>
<u>3. The project does not involve and is not complicit in the alteration, damage or removal of any critical cultural heritage</u>	<u>Not Relevant</u>	<u>N/A</u>	<u>N/A</u>
<u>1.4. <del>1</del> Labour Standards</u> <u>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</u>	<u>High noise level in operation</u> <u>Relevant and during construction</u> <u>for personnel company's employment practices</u>	Low	<u>Usage of ear plugs</u> <u>The company adheres to the ILO labour practises and Turkish government regulations and guidelines</u> <u>Also the host country, Turkey has signed the relevant conventions – 87 and 98 of ILO.</u>
<u>5. The project does not involve and is not complicit in any form of forced or compulsory labour.</u>	<u>Relevant and pertains to the company's employment practices</u>	<u>Low</u>	<u>The company adheres to the ILO labour practises and Turkish government regulations and guidelines</u> <u>Also the host country, Turkey has signed the relevant conventions – 29 and 105 of ILO.</u>

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<p><u>6. The project does not employ and is not complicit in any form of child labour</u></p>	<p><u>Relevant and pertains to the company's employment practices</u></p>	<p><u>Low</u></p>	<p><u>The company adheres to the ILO labour practises and Turkish government regulations and guidelines Also the host country, Turkey has signed the relevant conventions – 138 and 182 of ILO.</u></p>
<p><u>7. The project does not involve and is not complicit in any form of discrimination based on gender, race, religion, sexual orientation or any other basis.</u></p>	<p><u>Relevant and pertains to the company's employment practices</u></p>	<p><u>Low</u></p>	<p><u>The company adheres to the ILO labour practises and Turkish government guidelines Also the host country, Turkey has signed the relevant conventions – 100 and 111 of ILO.</u></p>
<p><u>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.</u></p>	<p><u>Relevant and pertains to the company's employment practices</u></p>	<p><u>Low</u></p>	<p><u>The company adheres to the ILO labour practises and Turkish government guidelines</u></p>
<p><u>9. The project takes a precautionary approach in regard to environmental challenges and is not complicit in practices contrary to the precautionary principle.</u></p>	<p><u>Relevant and pertains to the disposal of the waste water.</u></p>	<p><u>Low</u></p>	<p><u>The company adheres to the Turkish government regulations and guidelines related to Environmental Protection</u></p>
<p><u>10. The project does not involve and is not complicit 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</u></p>	<p><u>Relevant and pertains to the protection of biodiversity</u></p>	<p><u>Minor threat could be on local and migratory birds and bats.</u></p>	<p><u>Birds and bat will be observed, if there are any bird or bat strikes logged in the project site the necessary precautions will be taken to improve recognition of the</u></p>

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<u>(d) recognized as protected by traditional local communities.</u>			<u>turbines by birds and bats.</u>
<u>11. The project does not involve and is not complicit in corruption.</u>	<u>Not Relevant</u>	<u>N/A</u>	<u>N/A</u>
<u>Additional relevant critical issues for my project type</u>	<u>Description of relevance to my project</u>	<u>Assessment of relevance to my project (low/medium/high)</u>	<u>Mitigation Measure</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

**F.2. Sustainable Development matrix**

Insert table in section C3 from your Stakeholder Consultation report (Sustainable Development matrix).

Indicator	Mitigation measure	Relevance to achieving MDG	Chosen parameter and explanation	Preliminary score
Gold Standard indicators of sustainable development.	If relevant copy mitigation measure from "do no harm" –table, or include mitigation measure used to neutralise a score of ‘–‘	Check <a href="http://www.undp.or/mdg">www.undp.or/mdg</a> and <a href="http://www.mdgmonitor.org">www.mdgmonitor.org</a>  Describe how your indicator is related to local MDG goals	Defined by project developer	Negative impact score ‘–‘ in case negative impact is not fully mitigated score 0 in case impact is planned to be fully mitigated No

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				change in impact score -0 Positive impact score e'+'
Air quality		<p><u>Target 7.A</u> Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources</p> <p>Carbon dioxide emissions (per capita) and consumption of ozone depleting CFCs: CO<sub>2</sub> emissions are the highest among the other Green House Gas (GHG) emissions. 10% increase in CO<sub>2</sub> emissions per capita has been observed between 1995-2003.</p>	<p>Electricity generation by the project <u>using renewable sources causes CO<sub>2</sub> reductions compared to the baseline scenario of production of the same amount of electricity by the Turkish National Grid. The Amount of tonnes of CO<sub>2</sub> tones avoided will be observed.</u></p>	+“+”
Water quality and quantity		<p><u>Target 7.C:</u> <u>Halve, by 2015, the proportion of people without sustainable access</u></p>	<p><u>The Project will comply with Turkey’s Environmental</u></p>	0

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		<u>to safe drinking water and basic sanitation:</u>	<u>regulations as also confirmed by the EIA exemption document, and will not have any negative or positive effect over the water quality and quantity. Therefore, the project has "0" effect on the parameter</u>	
Soil condition	The trees which will be cut during construction phase will be remedied in coordination with local forestry management. <u>The same will be documented by pictures during the first verification only</u>	<u>Target 7.A Integrate the principles of sustainable development into country policies and programmes and reverse the loss of environmental resources</u> <u>MDG 7 Ensure Environmental Sustainability</u>	<u>Although there will be neither any positive nor any negative impact on soil condition because of the project activity. Therefore, the project has "0" effect on the parameter. As a mitigation measure The number of trees cut and replanted and the measures to ensure slope stability will be visually documented by pictures in the first verification only.</u>	0
Other pollutants	<u>Noise can be considered as a pollution source during construction and operation. During construction the workers will be protected by ear plugs as also implied by the relevant regulations of workers health and safety. As indicated in the Environmental reports the Noise levels will be within the levels allowed by Turkish legislations.</u>	<u>MDG 7 Ensure Environmental Sustainability</u>		0
Biodiversity	<u>The project does not cause any habitat fragmentation. The wind farm is not along the migratory route of birds. However, if there are the site will</u>	<u>MDG 7 : Ensure Environmental Sustainability</u> <u>Target 7.B: Reduce biodiversity loss.</u>	<u>As a mitigation measure any observed dead or injured bird will be recorded.</u>	0

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	<p><u>be regularly monitored and bird or bat strikes. they will be logged and measures to increase visibility of the turbines will be implemented, by measures such as including projection light during the night and improving the colour contrast of the blades so that they become more visible during day time.</u></p>	<p><u>achieving, by 2010, a significant reduction in the rate of loss.</u></p>		
Quality of employment		<p><u>MDG Target 1.B Achieve full and productive employment and decent work for all, including women and young people (employment for everyone, male, female or young);</u></p>	<p><u>Employee records</u> The project will provide jobs during construction and operation stages for qualified and to some extent to unqualified people. Indicator will be <u>The employee records and training certificates.</u></p>	+
Livelihood of the poor		<p><u>MDG Target 1.A To halve the number of people with an income of 1 \$ between years 1990-2015</u> <u>MDG Target 1.B Achieve full and productive employment and decent work for all, including women and young people (employment for everyone, male, female or young)</u></p>	<p><u>Employee social security records</u>The project will create employment opportunities during the construction and operation stages. This production would contribute positively to the GDP of the country. <u>To be conservative this parameter is kept 0.</u></p>	+0
Access to affordable and clean energy services		<p><u>Energy use per \$1 Gross Domestic Product: Total energy supply per \$1 GDP is below OECD average</u> <u>MDG: Target 1 and Target 7</u></p>	<p><u>Energy use per \$1 Gross Domestic Product: Total energy supply per \$1 GDP is below OECD average</u> National statistics on resource share in electricity generation and consumption per capita. <u>To be conservative this parameter is kept 0.</u></p>	+0

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Human and institutional capacity		<u>MDG 2: Achieve Universal Primary Education</u> <u>Target 3: Promote gender equality and empower women</u>	<del>Employee records on training. The project will not have any effect on this.</del>	+0
Quantitative employment and income generation		<u>MDG Target 1.A Halve the number of people with an income of 1 \$ between years 1990-2015</u> <u>MDG Target 1.B Achieve full and productive employment and decent work for all, including women and young people (employment for everyone, male, female or young)</u>	Employee records[RT3]	+
Balance of payments and investment		<u>MDG Target 8.D Deal comprehensively with the debt problems of developing countries</u> <u>(This target also covers the good management practice, development and reduction of poverty targets at national and international levels)</u>	<u>The project will help to reduce countries dependence on imported fossil fuels, however it is very difficult to trace the impact of the project, this parameter is kept "0"</u>	0
Technology transfer and technological self-reliance		<u>MDG Target 8.F In cooperation with the private sector, make available benefits of new technologies, especially</u>	<del>National statistics of newly added wind power projects. The project will be implementing best practice thus will be bringing in</del>	+0

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	<p><u>information and communications (To be in cooperation with the private sector to bring in new technologies including information and communication technologies)</u></p>	<p><u>the best available technology. But to be conservative this parameter is kept "0".</u></p>
<p><b>Justification choices, data source and provision of references</b></p>		
Air quality	<p><u>The project being a grid-connected renewable energy project has a positive impact on air quality. The same can be measured by calculating the tonnes of CO2 reduced by the project activity. The data sources that can be used for calculating the same include the metered Combined Margin Emission factor indicated in the PDD and the monthly electricity generation by the project memoranda co-signed between the electricity distribution company and the Bergama RES Elektrik Üretim A.Ş.</u></p>	
Water quality and quantity	<p><u>Environmental Management Plan, The water quality and quantity is not going to be effected as indicated in the Environmental Impact Statement. The water will be supplied by tankers to the site and will be collected in septic tanks which will be emptied regularly and discharged in accordance with Water Pollution Control Regulations. The waste oil will be collected and transferred to the recycling center centre in accordance with the Hazardous Waste Control Regulations and Waste Oil Control Regulations.</u></p>	
Soil condition	<p><b>Environmental Management Plan, implemented in coordination with Forestry Management.</b> <u>The project has no effect on the soil condition as indicated in the Environmental Impact Statement. However, the slope stability measures and the trees replanted in coordination with the local forestry department will be visually documented by pictures on the first verification only.</u></p>	
Other pollutants	<p><b>Environmental Management Plan, solid waste management plan and Emergency Plans.</b> <u>The project will not result in any other kind of pollution including noise pollution as indicated in the Environmental Statement report. The project will comply with the relevant solid waste management, liquid waste management and noise pollution related environmental laws and regulations.</u></p>	
Biodiversity	<p>The project has EIA-exemption letter from Ministry of Environment and Forest. Necessary precautions will be taken for the species under</p>	

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	conservation by international conventions. <u>Moreover, if there are bird or bat strikes, they will be logged and measures to increase visibility of the turbines will be implemented</u>
Quality of employment	<u>The project activity will result in employment generation. The same can be indicated by E</u> employee records gathered from the project owner including start and end dates. <u>The records shall be maintained F</u> <del>for construction</del> ; engineers, site officers, foremen and workers <u>that were</u> <del>will be</del> hired <u>during construction</u> . During operation, engineers, administrative officers, operators and security will be employed <u>and the records will also be maintained for the same</u> .
Livelihood of the poor	<del>Social Security records of the employees.</del> <u>Especially D</u> during the construction stage the project and its subcontractors will do their best to provide opportunities to the poorest people in the vicinity. This will be based on personal communication with village heads (Muhtars). <u>To be conservative the parameter is considered as neutral</u>
Access to affordable and clean energy services	<del>Turkish Electricity Transmission Company (TEİAŞ) * Annual development of Turkey's gross electricity generation by share of primary energy resources * Annual development of installed capacity, gross generation, supply and net consumption in Turkey</del> As indicated in the <u>Environmental Impact Statement, the project will help to improve reducing country's</u> dependency on imported fossil fuels.
Human and institutional capacity	<del>Employee records on training.</del> <u>The project will not have a major contribution in this area.</u>
Quantitative employment and income generation	<u>The project activity will result in employment generation. The same can be indicated by e</u> Employee records gathered from the project owner <u>providing information about their name- and also enlisting including their addresses</u> <del>the list of the names of the cities where they have worked live since the past last 5 years and present.</del> [RT4]
Balance of payments and investment	<u>Just like all the renewable energy projects, the project will help to improve the gross national product of the country by reducing dependency on</u> <del>as the electricity will be produced not using imported fossil fuels but a renewable resource,</del> as indicated by the 5 <sup>th</sup> yearly development plans of the State Planning <u>Organization.</u> <del>However, since it is not possible to estimate</del> <u>isolate the impact of the project on Balance of Payments, the parameter is considered as neutral.</u>
Technology transfer and technological self-reliance	Electricity Market Regulating Authority (EPDK) <u>The), assists the</u> development of wind power plants in Turkey, <u>Also the web portals that publish news and articles related to the development of wind energy and related technologies in Turkey such</u>

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as: Alternaturk: <http://www.alternaturk.org/turkiyede-ruzgar-enerjisi.php>; TWEA (Turkish Wind Energy Association) : <http://www.ruzgarenerjisirirligi.org.tr/>. The project will be implementing best practice thus will be bringing in the best available technology. But to be conservative this parameter is kept "0".



**SECTION G. Sustainability Monitoring Plan**

[See Toolkit 2.4.3 and Toolkit Annex I]

No	1	
Indicator	Air Quality/ <a href="#">CO<sub>2</sub> Reduction</a>	
Mitigation measure		
Chosen parameter	Electricity generated by the project	
Current situation of parameter	-	
Future target for parameter	275,800782 MWh	
Way of monitoring	How	Readings from meters and <a href="#">electricity utility bills</a> <a href="#">PMUM/MFRC data screen shots</a> .
	When	Annually
	By who	Project owner

No	2	
Indicator	Quality of employment	
Mitigation measure		
Chosen parameter	Employee records including start and end dates: <a href="#">training certificates</a>	
Current situation of parameter	-	
Future target for parameter	-	
Way of monitoring	How	Employee records will be followed for temporary and permanent jobs.
	When	Once in construction and annually in operation
	By who	Project developer

No	3	
Indicator	<a href="#">Livelihood of the poor</a>	
Mitigation measure		
Chosen parameter	<a href="#">Employee payment rolls</a>	
Current situation of parameter	-	
Future target for parameter	-	
Way of monitoring	How	<a href="#">Employee payment rolls will be followed for permanent jobs.</a>
	When	<a href="#">Once in operation</a>
	By who	<a href="#">Project developer</a>

No	4	
Indicator	<a href="#">Access to affordable and clean energy services</a>	
Mitigation measure		
Chosen parameter	<a href="#">Share of geo-thermal and wind energy in Turkey's gross electricity generation.</a>	

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Current situation of parameter		0.3% in 2007
Future target for parameter		>0.3%
Way of monitoring	How	Published statistics
	When	Annually
	By who	Project developer
Chosen parameter		Net electricity consumption per capita
Current situation of parameter		2198 kWh in 2007
Future target for parameter		>2198 kWh
Way of monitoring	How	Published statistics
	When	Annually
	By who	Project developer

No	35	
Indicator	Quantitative employment and income generation	
Mitigation measure		
Chosen parameter	Employee records including <u>their addresses</u> , <u>the names of the cities where they lived since last 5 years.</u>	
Current situation of parameter	-	
Future target for parameter	-	
Way of monitoring	How	Whether the employees are hired from the local area will be controlled
	When	Once in construction and annually in operation
	By who	Project developer [RT5]

No	6	
Indicator	Technology transfer and technological self-reliance	
Mitigation measure		
Chosen parameter	Installed capacity of wind power plants	
Current situation of parameter	146.25 MW in operation in early 2008	
Future target for parameter	-	
Way of monitoring	How	Newly added wind power plants will be tracked
	When	Annually
	By who	Project developer

### Additional remarks monitoring

~~The parameters for air quality, water quantity and quality, soil condition, other pollutant and biodiversity will be monitored~~ in accordance with the Environmental Management Plan, the

following measures will be adopted in order to minimise the impacts during construction and operational periods:

which Environmental Management Plan will be implemented by project owner in an appropriate way as advised by present laws and regulations.

*Air quality-* The amount of dust which will be formed during construction will be cut down by mitigation such as watering the roads, careful loading and unloading the trucks and covering the top of loaded trucks by hammock.

*Water quantity and quality-*The water for domestic uses will be supplied by tankers and wastewater will be collected in septic tanks and disposed regularly in accordance with Water Pollution Control Regulations. The waste oil will be collected and transferred to recycling centre in accordance with the Hazardous Waste Control Regulations and Waste Oil Control Regulations.

*Soil condition-* As a mitigation measure, tThe trees cut during construction will be remedied in coordination with Forestry Management, and the state of the soil and the replanted trees will be pictured only at the initial verification process.

*Other pollutants-* As a mitigation measure, sSolid waste will be collected on the site. Recyclable waste will be sent to recycling centres and the rest will be disposed to local landfill site. Training will be given to the personnel on how to act in case of an emergency situation. Also the noise pollution is assessed during the planning stage of the project and is shown in the Project Description Report submitted to the DOE that noise pollution is not a threat to the nearest settlements.

*Biodiversity-* As explained above, as a mitigation measure, necessary precautions will be taken for the species under conservation by international conventions, if any found on the site. Also, the security patrol of the wind farm, will look for any dead bird and bat body, any incident will be recorded and the dead body will be kept sanitarilly (frozen in a plastic zip locked bag) for inspection.

Health and Safety Precautions for Public Health: As a mitigation measure to safeguard public from any potential electricity related risks, the site is safeguarded and access to project site is only possible under the supervision of the security team. In addition to all the turbines are fenced and the fences are grounded to avoid any 3<sup>rd</sup> party injury or accident related to high voltage. Similarly the immediate switch gear area and the main control chamber and substation is also fenced and guarded. These precautions are taken in order to protect public from any potential high voltage hazard.

**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**

[Not Applicable See Toolkit 2.3]

**H.2.      Conservativeness**

[See Toolkit 2.2]

Not Applicable

## Gold Standard Passport

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**ANNEX 1 ODA declarations**

[\[See Toolkit Annex D\] No ODA is flowing to the project activity](#)